



Città Metropolitana
di VENEZIA
Regione VENETO

PROGETTO

Ampliamento "vetreria Zignago Vetro"
di Fossalta di Portogruaro (VE)

Nuovo Forno 14 e Rinnovo del Forno 11

Progetto DEFINITIVO

COMMITTENTE



Zignago Vetro S.p.A.

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VENEZIA

TITOLO ELABORATO

CAPANNONE CABINA 8A E SALA COMPRESSORI
Relazione di calcolo delle strutture

NOME FILE

PROGETTO	LIVELLO	AREA	EDIFICIO	SPECIALITA'	ELABORATO	N°	TITOLO
F14,F11	PD	AF14	8Ak	ST	R	05	8Ak - Strutture

SCALA

-

DIM. FOGLIO

A4

DATA PRIMA EMISSIONE

20/07/2020

PROGETTISTA

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FIRME COMMITTENTE

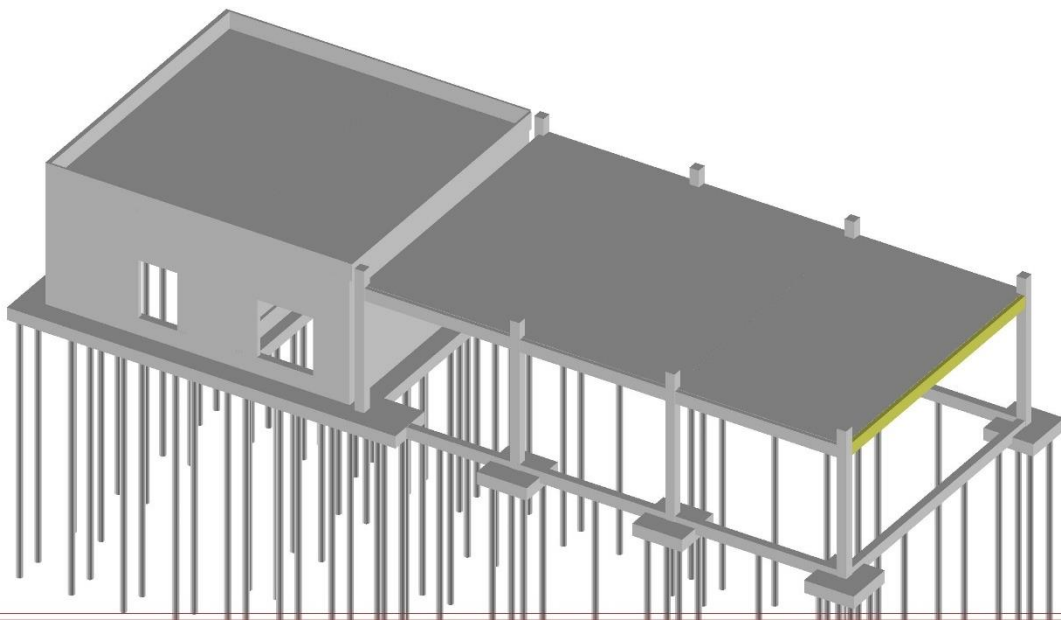


Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto

PROGETTO DI UNA STRUTTURA AD USO PRODUTTIVO PARTE REALIZZATA IN OPERA PARTE IN PREFABBRICATO



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 sconnessioni*
- *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:

20 luglio 2020

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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 FOSSALTA DI PORTOGRUARO (VE) (Regione VENETO)
	Località FOSSALTA DI PORTOGRUARO (VE)
	Longitudine 12.909, Latitudine 45.791
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	Non presenti
Numero vani ascensore	Non presenti
Tipo di fondazione	In opera su pali

Principali caratteristiche della struttura	
Struttura regolare in pianta	no
Struttura regolare in altezza	no
Classe di duttilità	bassa
Travi: ricalate o in spessore	no
Pilastrì	60x60
Pilastrì in falso	no
Tipo di fondazione	Continua a a plinti su pali
Condizioni per cui è necessario considerare la componente verticale del sisma	no

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

Fattore di struttura/comportamento
CALCOLO IN FASE ELASTICA $Q = 1.5$ PER LE FONDAZIONI E I SETTI IN GETTO E $Q=2.5$ PER LA PARTE PREFABBRICATA

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:

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

\mathbf{u} = vettore spostamenti nodali

\mathbf{F} = vettore forze nodali

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

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

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

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

Modello numerico

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Carichi verticali	SI
Statica non lineare	NO
Sismica statica lineare	NO
Sismica dinamica lineare	SI
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO

Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2020-01-187)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	***** COMPLETARE *****
Codice Utente:	***** COMPLETARE *****
Codice Licenza:	Licenza dsi2534

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	4653
elementi D2 (per aste, travi, pilastri...)	38
elementi D3 (per pareti, platee, gusci...)	4432
elementi solaio	19
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	15927.17
Xmax =	21232.17
Ymin =	2928.34
Ymax =	5058.60

Zmin =	0.00
Zmax =	950.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	SI
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)	SI
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
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
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	SI
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati
<p>I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.</p> <p>Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura:</p> <p>per l'analisi modale:</p> <ul style="list-style-type: none"> • periodi dei modi di vibrare della struttura • masse eccitate dai singoli modi • massa eccitata totale <p>deformate e sollecitazioni:</p> <ul style="list-style-type: none"> • 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

altri risultati significativi:

- ***Completare***

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

per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

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

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni 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.

RELAZIONE SUI MATERIALI

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

NORMATIVA DI RIFERIMENTO

1. D.Min. Infrastrutture Min. Interni e Prot. Civile 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.

NOTA il capitolo "normativa di riferimento": riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 17.01.18 è dovuto o a progettazione simulata di edificio esistente.

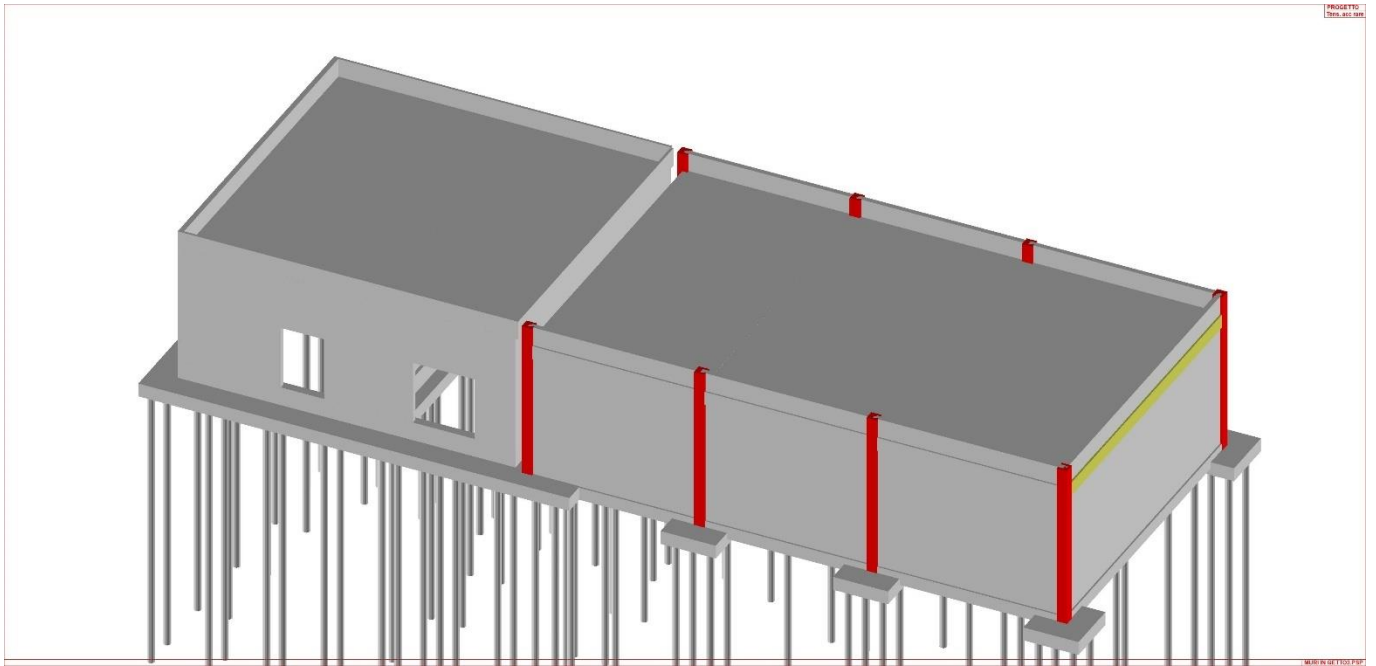


FIG1

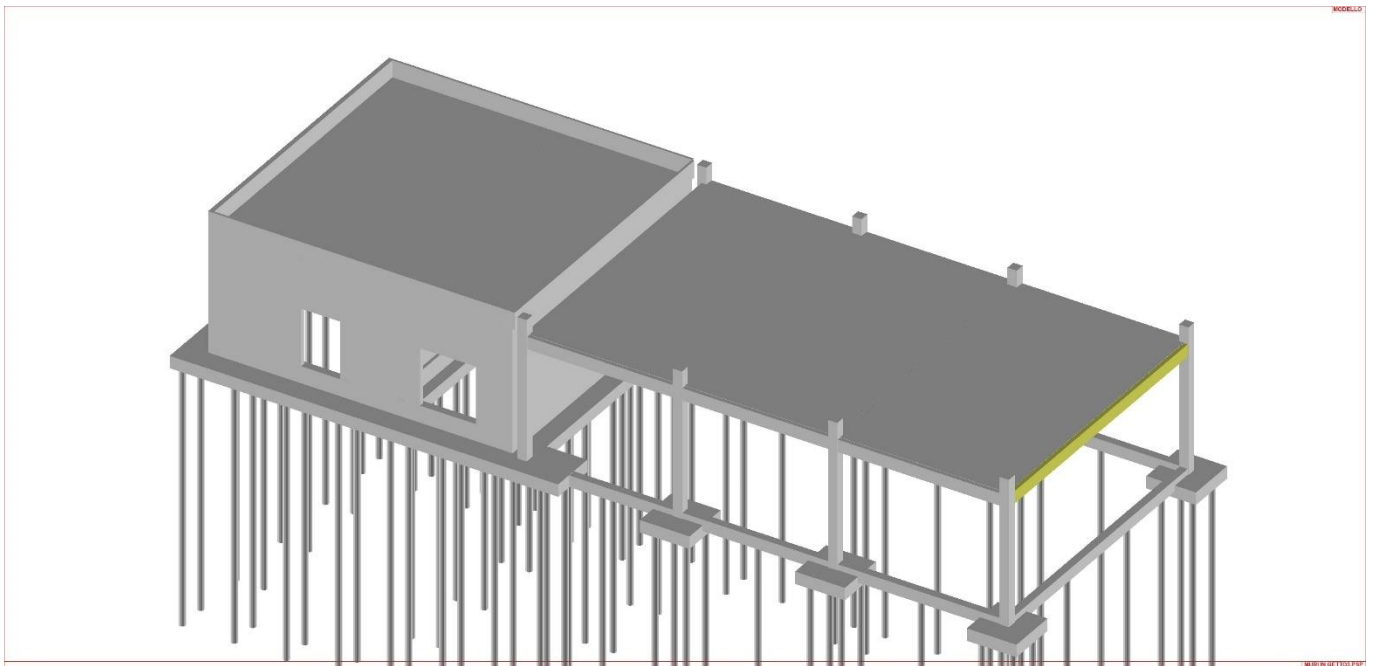


FIG2

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 ν
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	Coefficiente 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	cemento armato	Resistenza Rc Resistenza f_{ctm} Coefficiente α_{sb}	resistenza a compressione cubica resistenza media a trazione semplice Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione f_t Tensione f_y Resistenza f_d Resistenza $f_d (>40)$ Tensione ammissibile Tensione ammissibile (>40)	Valore della tensione di rottura Valore della tensione di snervamento Resistenza di calcolo per SL CNR-UNI 10011 Resistenza di calcolo per SL CNR-UNI 10011 per spessori $> 40mm$ Tensione ammissibile CNR-UNI 10011 Tensione ammissibile CNR-UNI 10011 per spessori $> 40mm$
3	muratura	Muratura consolidata Incremento resistenza Incremento rigidezza	Muratura per la quale si prevedono interventi di rinforzo" Incremento conseguito in termini di resistenza 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 (tipicamente 0.4)
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)

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008
61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

Test N°	Titolo
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
91	FATTORE DI STRUTTURA
92	VERIFICHE EC5
93	SNELLEZZE EC5
94	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note	V. caratt. daN/cm2	V. medio daN/cm2	Young daN/cm2	Poisson	G daN/cm2	Gamma daN/cm3	Alfa	Altri
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								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
2	PANNELLI-Calcestruzzo Classe C20/25			3.020e+05	0.20	1.258e+05	1.30e-03	1.00e-05	
	Resistenza Rc	250.0							
	Resistenza fctm		22.6						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
3	Calcestruzzo Classe C28/35			3.260e+05	0.20	1.358e+05	2.50e-03	1.00e-05	
	Resistenza Rc	350.0							
	Resistenza fctm		28.4						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
7	Calcestruzzo Classe C40/50-Calcestruzzo Classe C40/50			2.130e+05	0.20	1.479e+05	2.50e-03	1.00e-05	
	Resistenza Rc	500.0							
	Resistenza fctm		36.0						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
8	Calcestruzzo Classe C45/55			3.640e+05	0.20	1.517e+05	2.50e-03	1.00e-05	
	Resistenza Rc	550.0							
	Resistenza fctm		38.3						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
157	Materiale inf. rigido no peso E = 1.000e+09			1.000e+09	0.0	5.000e+08	0.0	1.20e-05	
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Singolo elemento NON DISSIPATIVO	Singolo elemento FONDAZIONE				
Armatura						

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Inclinazione Av [gradi]	90.00	90.00				
Angolo Av-Ao [gradi]	90.00	90.00				
Minima tesa	1.000e-02	1.000e-02				
Massima tesa	4.00	4.00				
Maglia unica centrale	No	No				
Unico strato verticale	No	No				
Unico strato orizzontale	No	No				
Copriferro [cm]	2.00	2.00				
Maglia V						
diametro	12	10				
passo	20	25				
diametro aggiuntivi	16	12				
Maglia O						
diametro	12	10				
passo	16	25				
diametro aggiuntivi	16	12				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	Si	Si				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0	1.50				
Hcrit. par. 7.4.4.5.1 [cm]	0.0	0.0				
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0				
Diagramma involuppo taglio	No	No				
Vincolo lati	nessun lato	nessun lato				
Verifica come fascia	No	No				
Diametro di estremità	0	0				
Zona confinata						
Minima tesa	1.00	1.00				
Massima tesa	4.00	4.00				
Distanza barre [cm]	2.00	2.00				
Interferro	2	2				
Armatura inclinata						
Area barre [cm2]	0.0	0.0				
Angolo orizzontale [gradi]	0.0	0.0				
Distanza di base [cm]	0.0	0.0				
Resistenza al fuoco						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	15				

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0	0.0				
Angolo Ax-Ay [gradi]	90.00	90.00				
Minima tesa	1.000e-02	1.000e-02				
Massima tesa	0.40	0.40				
Maglia unica centrale	No	No				
Copriferro [cm]	2.00	3.00				
Maglia x						
diametro	12	12				
passo	20	20				
diametro aggiuntivi	12	12				
Maglia y						
diametro	12	12				
passo	20	20				
diametro aggiuntivi	12	12				
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Verifiche con N costante	Si	Si				
Applica SLU da DIN	No	No				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Massimo rapporto area compressa/tesa	1.00	1.00				
Resistenza al fuoco						
3- intradosso	No	No				
3+ estradosso	No	No				
Tempo di esposizione R	15	15				

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

Pilastrì c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Disponi come da sezione	Privilegia lati				
Progetta a filo	No	No				
Effetti del 2 ordine	Si	Si				
Beta per 2-2	2.00	1.00				
Beta per 3-3	2.00	1.00				
Armatura						
Massima tesa	4.00	4.00				
Minima tesa	1.00	1.00				

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00				
Tensione fy staffe [daN/cm2]	4500.00	4500.00				
Tipo acciaio	tipo C	tipo C				
Coefficiente gamma s	1.15	1.15				
Coefficiente gamma c	1.50	1.50				
Verifiche con N costante	Si	Si				
Modello per il confinamento						
Relazione tensio-deformativa	Mander	Mander				
Incrudimento acciaio	5.000e-03	5.000e-03				
Fattore lambda	1.00	1.00				
epsilon max,s	4.000e-02	4.000e-02				
epsilon cu2	4.500e-03	4.500e-03				
epsilon c2	0.0	0.0				
epsilon cy	0.0	0.0				
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50				
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00				
Rapporto omogeneizzazione N	15.00	15.00				
Staffe						
Diametro staffe	0.0	0.0				
Passo minimo [cm]	5.00	5.00				
Passo massimo [cm]	25.00	25.00				
Passo raffittito [cm]	15.00	15.00				
Lunghezza zona raffittita [cm]	45.00	45.00				
Ctg(Teta) Max	2.50	2.50				
Luce di taglio per GR [cm]	1.00	1.00				
Massimizza gerarchia	Si	Si				

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

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

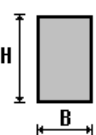
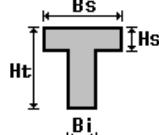
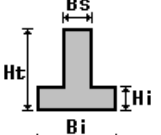
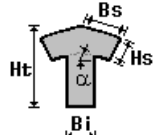
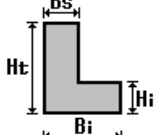
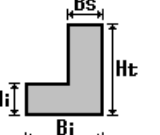
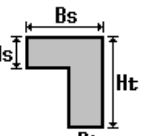
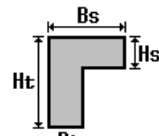
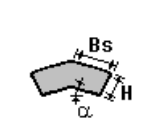
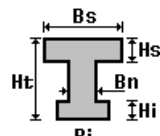
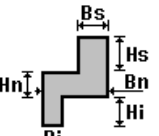
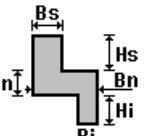
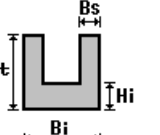
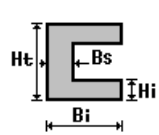
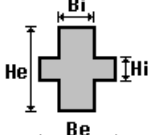
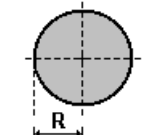
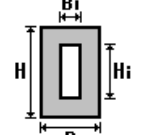
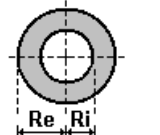
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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 profilati.

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

Con riferimento al Documento di Affidabilità "Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST" - versione Settembre 2014, disponibile per il download sul sito www.2si.it, si segnalano i seguenti esempi applicativi:

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

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	PILASTRO 60X60- Rettangolare: b=60 h=60	3600.00	3000.00	3000.00	1.822e+06	1.080e+06	1.080e+06	3.600e+04	3.600e+04	5.400e+04	5.400e+04
2	Rettangolare: b=50 h=80	4000.00	3333.33	3333.33	2.021e+06	8.333e+05	2.133e+06	3.333e+04	5.333e+04	5.000e+04	8.000e+04
3	Rettangolare: b=50 h=75	3750.00	3125.00	3125.00	1.813e+06	7.813e+05	1.758e+06	3.125e+04	4.688e+04	4.688e+04	7.031e+04

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

LEGENDA TABELLA DATI SOLAI-PANNELLI

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

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

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

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

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

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

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

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

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

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

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

x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto S_d/S_u con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto S_d/S_u con sollecitazioni taglianti proporzionali: valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 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 cinetismo 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 mezzzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinetismo con formazione di cerniere plastiche in appoggio e mezzzeria
Ver. CIS	Rapporto p_a/p_r (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

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

Test N°	Titolo
14	ANALISI DEI CARICHI PER UN SOLAIO DI COPERTURA
15	EFFETTI DELLO SPESSORE SULLA RIGIDEZZA DEI SOLAI
16	SOLAIO: CONFRONTO FRA RIGIDO E DEFORMABILE
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
28	FRECCIA DI SOLAI IN C.A.

119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM
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ID Arch.	Tipo	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
1	Neve	3.80e-02	3.50e-02	8.00e-03		1.00	0.50	0.20	0.0	0.0	1.00
2	Neve	3.80e-02	6.00e-02	8.00e-03		1.00	0.50	0.20	0.0	0.0	1.00

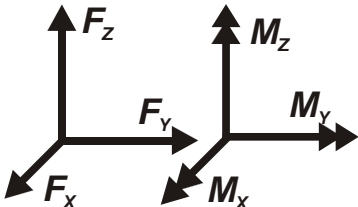
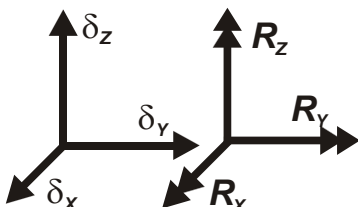
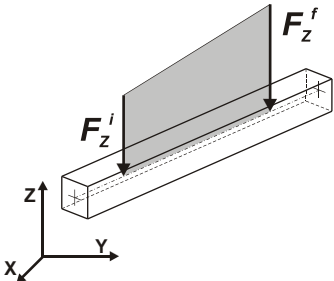
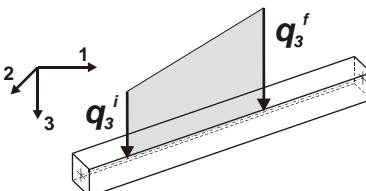
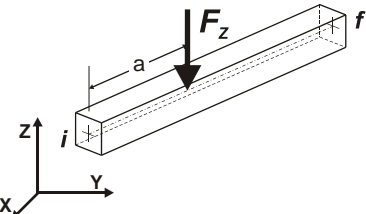
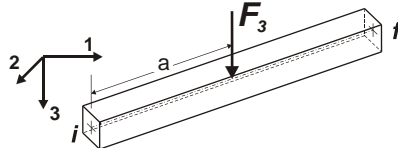
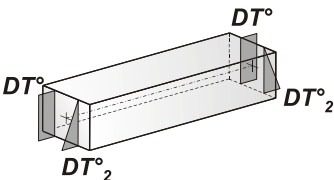
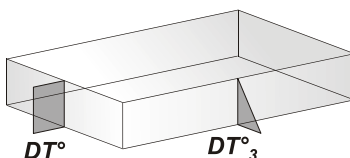
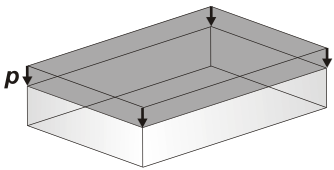
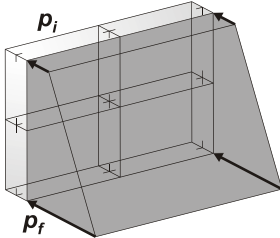
Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CM	1	m=1	5.0	90.0	3.80e-02	3.50e-02	8.00e-03	3596	3604	3602	3594	
2	CM	1	m=1	5.0	90.0	3.80e-02	3.50e-02	8.00e-03	3598	3606	3604	3596	
3	CM	1	m=1	5.0	90.0	3.80e-02	3.50e-02	8.00e-03	3600	3608	3606	3598	
4	CM	2	m=1	1.0	90.0	3.80e-02	6.00e-02	8.00e-03	3514	3526	3538	3550	3562
									3574	3586	3486	3494	3508
									3456	3468	2767	2774	2786
									2798	2810	2822	2834	2846
									2858	2870	2882	2894	2906
									2918	2930	2942	2954	2966
									2978	2990	3002	3014	3026
									3038	3050	2662	2656	2644
									2632	2619	2605	2592	2580
									2568	2556	2544	2532	2520
									2508	2502	2460	2448	2441
									2430	2418	2406	2484	2388
									2376	2369	2358	2346	2334
									2490	2316	2304	2297	2286
									2274	2262	2250	2243	
5	CM	2	m=1	1.0	90.0	3.80e-02	6.00e-02	8.00e-03	3368	3380	3393	3407	3420
									3432	3444	3067	3074	3086
									3098	3110	3122	3134	3146
									3158	3170	3182	3194	3206
									3218	3230	3242	3254	3266
									3278	3290	3302	3314	3326
									3338	3350	2756	2750	2738
									2726	2713	2699	2686	2674
									2662	3050	3038	3026	3014
									3002	2990	2978	2966	2954
									2942	2930	2918	2906	2894
									2882	2870	2858	2846	2834
									2822	2810	2798	2786	2774
									2767				

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi)

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

Tipo | carico di pressione uniforme su piastra

Id	Tipo	pressione
		daN/cm2
1	VENTO 1-P3:p= 6.500e-03	6.50e-03

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)
			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
14	Qvk	VENTO VERSO X	Azioni applicate: D3 :da 676 a 735 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 826 a 855 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 1726 a 1740 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 1901 a 2200 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 3281 a 3334 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 3726 a 3806 Azione : VENTO 1-P3:p= 6.500e-03
15	Qvk	VENTO VERSO Y	Azioni applicate: D3 :da 736 a 825 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 856 a 975 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 1576 a 1725 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 1741 a 1755 Azione : VENTO 1-P3:p= 6.500e-03 D3 :da 1856 a 1900 Azione : VENTO 1-P3:p= 6.500e-03

CDC	Tipo	Sigla Id	Note
			D3 :da 2201 a 2440 Azione : VENTO 1-P3:p= 6.500e-03
			D3 :da 3041 a 3280 Azione : VENTO 1-P3:p= 6.500e-03
			D3 :da 3335 a 3454 Azione : VENTO 1-P3:p= 6.500e-03
			D3 :da 3456 a 3575 Azione : VENTO 1-P3:p= 6.500e-03

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

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	$\psi 0$	$\psi 1$	$\psi 2$
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini, ...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)	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 $\leq 1000 m$	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	$\gamma G1$	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	$\gamma G2$	0,8	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 (SLV sism.) 1	
2	SLU	Comb. SLU A1 (SLV sism.) 2	
3	SLU	Comb. SLU A1 (SLV sism.) 3	
4	SLU	Comb. SLU A1 (SLV sism.) 4	
5	SLU	Comb. SLU A1 (SLV sism.) 5	
6	SLU	Comb. SLU A1 (SLV sism.) 6	

Cmb	Tipo	Sigla Id	effetto P-delta
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	SLD(sis)	Comb. SLE (SLD Danno sism.) 33	
34	SLD(sis)	Comb. SLE (SLD Danno sism.) 34	
35	SLD(sis)	Comb. SLE (SLD Danno sism.) 35	
36	SLD(sis)	Comb. SLE (SLD Danno sism.) 36	
37	SLD(sis)	Comb. SLE (SLD Danno sism.) 37	
38	SLD(sis)	Comb. SLE (SLD Danno sism.) 38	
39	SLD(sis)	Comb. SLE (SLD Danno sism.) 39	
40	SLD(sis)	Comb. SLE (SLD Danno sism.) 40	
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLU	Comb. SLU A1 65	
66	SLU	Comb. SLU A1 66	
67	SLU	Comb. SLU A1 67	
68	SLU	Comb. SLU A1 68	
69	SLU	Comb. SLU A1 69	
70	SLU	Comb. SLU A1 70	
71	SLU	Comb. SLU A1 71	
72	SLU	Comb. SLU A1 72	
73	SLU	Comb. SLU A1 73	
74	SLU	Comb. SLU A1 74	
75	SLU	Comb. SLU A1 75	
76	SLU	Comb. SLU A1 76	
77	SLU	Comb. SLU A1 77	
78	SLU	Comb. SLU A1 78	
79	SLU	Comb. SLU A1 79	
80	SLU	Comb. SLU A1 80	

Cmb	Tipo	Sigla Id	effetto P-delta
81	SLU	Comb. SLU A1 81	
82	SLU	Comb. SLU A1 82	
83	SLU	Comb. SLU A1 83	
84	SLU	Comb. SLU A1 84	
85	SLU	Comb. SLU A1 85	
86	SLU	Comb. SLU A1 86	
87	SLU	Comb. SLU A1 87	
88	SLU	Comb. SLU A1 88	
89	SLU	Comb. SLU A1 89	
90	SLU	Comb. SLU A1 90	
91	SLU	Comb. SLU A1 91	
92	SLU	Comb. SLU A1 92	
93	SLU	Comb. SLU A1 93	
94	SLU	Comb. SLU A1 94	
95	SLU	Comb. SLU A1 95	
96	SLU	Comb. SLU A1 96	
97	SLE(r)	Comb. SLE(rara) 97	
98	SLE(r)	Comb. SLE(rara) 98	
99	SLE(r)	Comb. SLE(rara) 99	
100	SLE(r)	Comb. SLE(rara) 100	
101	SLE(r)	Comb. SLE(rara) 101	
102	SLE(r)	Comb. SLE(rara) 102	
103	SLE(r)	Comb. SLE(rara) 103	
104	SLE(r)	Comb. SLE(rara) 104	
105	SLE(r)	Comb. SLE(rara) 105	
106	SLE(r)	Comb. SLE(rara) 106	
107	SLE(r)	Comb. SLE(rara) 107	
108	SLE(r)	Comb. SLE(rara) 108	
109	SLE(r)	Comb. SLE(rara) 109	
110	SLE(r)	Comb. SLE(rara) 110	
111	SLE(r)	Comb. SLE(rara) 111	
112	SLE(r)	Comb. SLE(rara) 112	
113	SLE(f)	Comb. SLE(freq.) 113	
114	SLE(f)	Comb. SLE(freq.) 114	
115	SLE(f)	Comb. SLE(freq.) 115	
116	SLE(f)	Comb. SLE(freq.) 116	
117	SLE(p)	Comb. SLE(perm.) 117	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.00 0.0	1.00	1.00	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
2	1.00 0.0	1.00	1.00	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
3	1.00 0.0	1.00	1.00	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
4	1.00 0.0	1.00	1.00	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.0
5	1.00 0.0	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
6	1.00 0.0	1.00	1.00	1.00	0.0	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
7	1.00 0.0	1.00	1.00	1.00	0.0	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
8	1.00 0.0	1.00	1.00	1.00	0.0	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.0
9	1.00 0.0	1.00	1.00	1.00	0.0	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
10	1.00 0.0	1.00	1.00	1.00	0.0	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0
11	1.00 0.0	1.00	1.00	1.00	0.0	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.0
12	1.00 0.0	1.00	1.00	1.00	0.0	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0
13	1.00 0.0	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0
14	1.00 0.0	1.00	1.00	1.00	0.0	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0
15	1.00 0.0	1.00	1.00	1.00	0.0	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0

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...
16	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	0.0
17	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	0.0
18	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	0.0
19	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	0.0
20	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	0.0
21	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	0.0
22	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	0.0
23	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	0.0
24	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	0.0
25	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	0.0
26	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	0.0
27	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	0.0
28	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	0.0
29	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	0.0
30	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	0.0
31	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	0.0
32	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	0.0
33	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	0.0
34	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	0.0
35	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	0.0
36	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	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	0.0	-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	0.0	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	0.0	-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	0.0	0.30	0.0
41	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	0.0
42	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	0.0
43	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	0.0
44	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	0.0
45	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	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	0.0	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	0.0	-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	0.0	0.30	0.0
49	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	0.0
50	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	0.0
51	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	0.0
52	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	0.0

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...
	0.0													
53	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	0.0
	0.0													
54	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	0.0
	0.0													
55	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	0.0
	0.0													
56	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	0.0
	0.0													
57	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	0.0
	0.0													
58	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	0.0
	0.0													
59	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	0.0
	0.0													
60	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	0.0
	0.0													
61	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	0.0
	0.0													
62	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	0.0
	0.0													
63	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	0.0
	0.0													
64	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	0.0
	0.0													
65	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	-0.90
	0.0													
66	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	0.90
	0.0													
67	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	-0.90
	0.0													
68	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	0.90
	0.0													
69	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	-0.90
	0.0													
70	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	0.90
	0.0													
71	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	-0.90
	0.0													
72	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	0.90
	0.0													
73	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	-1.50
	0.0													
74	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	1.50
	0.0													
75	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.50
	0.0													
76	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0													
77	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	-1.50
	0.0													
78	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	1.50
	0.0													
79	1.00	1.00	0.80	0.80	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.50
	0.0													
80	1.00	1.00	0.80	0.80	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	0.0													
81	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	-0.90
	-1.50													
82	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	-0.90
	1.50													
83	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	0.90
	-1.50													
84	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	0.90
	1.50													
85	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90
	-1.50													
86	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.90
	1.50													
87	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	-1.50													
88	1.30	1.30	1.50	1.50	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	1.50													

[illegible]

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

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

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

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

ag: accelerazione orizzontale massima del terreno;

Fo: valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T*c: periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

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

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

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

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.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	12.909	45.791	
11202	12.846	45.783	4.949
11203	12.917	45.784	0.992
10981	12.917	45.834	4.806
10980	12.845	45.833	6.790

SL	P _{ver}	T _r	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.034	2.590	0.220
SLD	63.0	50.0	0.041	2.610	0.260
SLV	10.0	475.0	0.104	2.580	0.380
SLC	5.0	975.0	0.133	2.590	0.400

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.034	1.500	2.590	0.642	0.127	0.381	1.735
SLD	0.041	1.500	2.610	0.717	0.142	0.426	1.766
SLV	0.104	1.500	2.580	1.122	0.183	0.549	2.015
SLC	0.133	1.494	2.590	1.274	0.189	0.568	2.131

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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
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
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

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

- a) **analisi sismica statica equivalente:**
 - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (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/L_s (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 η_{dT} (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta_{dT}/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

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

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo 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 A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.

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 (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta A_r (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.530	1.887	0.078	4.914e+04	2.9	5.390e+05	32.3	1.83e-04	0.0	0.0	0.0
2	0.555	1.803	0.081	5.821e+05	34.9	9.591e+04	5.8	3.06e-04	0.0	0.0	0.0
3	0.606	1.649	0.089	8.119e+04	4.9	6.705e+04	4.0	2.41e-04	0.0	0.0	0.0
4	4.464	0.224	0.268	4.001e+04	2.4	8.192e+05	49.1	3.90	2.34e-04	0.0	0.0
5	4.687	0.213	0.268	8.289e+05	49.7	7.545e+04	4.5	58.72	3.52e-03	0.0	0.0
6	5.355	0.187	0.268	7.895e+04	4.7	6.217e+04	3.7	9.92	5.95e-04	0.0	0.0
7	10.207	0.098	0.216	261.32	1.57e-02	1547.47	9.28e-02	0.04	2.23e-06	0.0	0.0
8	10.578	0.095	0.213	0.15	9.18e-06	1.55	9.29e-05	2.453e+05	14.7	0.0	0.0
9	10.880	0.092	0.212	0.01	0.0	2.76	1.66e-04	1.782e+05	10.7	0.0	0.0
10	12.406	0.081	0.205	2.65	1.59e-04	2.41	1.45e-04	1.581e+05	9.5	0.0	0.0
11	13.233	0.076	0.202	1995.07	0.1	0.31	1.85e-05	1117.21	6.70e-02	0.0	0.0
12	15.713	0.064	0.194	748.62	4.49e-02	3488.91	0.2	7.262e+04	4.4	0.0	0.0
13	16.000	0.063	0.194	1420.51	8.52e-02	1797.98	0.1	1.690e+05	10.1	0.0	0.0
14	17.600	0.057	0.190	781.85	4.69e-02	5.36	3.21e-04	1.333e+05	8.0	0.0	0.0
15	21.977	0.046	0.183	0.09	5.59e-06	857.93	5.14e-02	3.635e+05	21.8	0.0	0.0
16	22.341	0.045	0.183	381.53	2.29e-02	970.92	5.82e-02	2.706e+05	16.2	0.0	0.0
17	24.372	0.041	0.181	1633.53	9.80e-02	99.31	5.95e-03	2.757e+04	1.7	0.0	0.0
18	35.389	0.028	0.173	2.96	1.77e-04	26.11	1.57e-03	4.372e+04	2.6	0.0	0.0
Risulta				1.668e+06		1.668e+06		1.663e+06			
In percentuale				99.99		99.99		99.72			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: C
			fattore di sito S = 1.500
			ordinata spettro (tratto Tb-Tc) = 0.268 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.213 sec.
			fattore q: 1.500
			fattore per spost. mu d: 2.288
			classe di duttilità CD: B
			numero di modi considerati: 18
			combinaz. modale: CQC

[illegible]

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.559	1.788	0.082	7.124e+05	42.7	5.20	3.12e-04	1.98e-04	0.0	0.0	0.0
2	0.570	1.754	0.084	5.98	3.59e-04	6.325e+05	37.9	0.0	0.0	0.0	0.0
3	0.607	1.646	0.089	7.66	4.59e-04	142.17	8.53e-03	6.19e-04	0.0	0.0	0.0
4	4.217	0.237	0.268	113.35	6.80e-03	9.027e+05	54.1	0.16	9.45e-06	0.0	0.0
5	4.742	0.211	0.268	9.481e+05	56.8	92.38	5.54e-03	72.39	4.34e-03	0.0	0.0
6	5.289	0.189	0.268	8.19	4.91e-04	1.208e+05	7.2	0.01	0.0	0.0	0.0
7	9.890	0.101	0.217	2.83	1.70e-04	2877.48	0.2	1.86	1.12e-04	0.0	0.0
8	10.628	0.094	0.213	6.58e-06	0.0	3.83e-04	0.0	3.603e+05	21.6	0.0	0.0
9	11.478	0.087	0.209	4.17	2.50e-04	0.02	1.41e-06	1.168e+05	7.0	0.0	0.0
10	12.303	0.081	0.205	144.63	8.67e-03	0.46	2.76e-05	4.784e+04	2.9	0.0	0.0
11	13.386	0.075	0.201	1553.77	9.32e-02	0.38	2.29e-05	3.869e+04	2.3	0.0	0.0
12	14.517	0.069	0.198	1413.88	8.48e-02	24.39	1.46e-03	1.474e+05	8.8	0.0	0.0
13	15.117	0.066	0.196	9.69	5.81e-04	5814.74	0.3	925.43	5.55e-02	0.0	0.0
14	17.920	0.056	0.190	1392.41	8.35e-02	19.51	1.17e-03	2.190e+05	13.1	0.0	0.0
15	20.105	0.050	0.186	1554.49	9.32e-02	12.08	7.24e-04	3.831e+05	23.0	0.0	0.0
16	21.219	0.047	0.184	13.86	8.31e-04	2549.22	0.2	146.55	8.79e-03	0.0	0.0
17	25.013	0.040	0.180	173.23	1.04e-02	3.32	1.99e-04	3.430e+05	20.6	0.0	0.0
18	32.211	0.031	0.175	692.89	4.15e-02	2.04	1.22e-04	2203.66	0.1	0.0	0.0
Risulta				1.668e+06		1.668e+06		1.660e+06			
In percentuale				99.99		99.99		99.51			

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) = 0.162 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.213 sec.
			numero di modi considerati: 18
			combinaz. modale: CQC

[illegible]

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.530	1.887	0.034	5.041e+04	3.0	5.370e+05	32.2	4.69e-05	0.0	0.0	0.0
2	0.555	1.803	0.038	5.789e+05	34.7	9.844e+04	5.9	5.68e-05	0.0	0.0	0.0
3	0.607	1.648	0.042	8.317e+04	5.0	6.654e+04	4.0	7.25e-04	0.0	0.0	0.0
4	4.459	0.224	0.162	5.696e+04	3.4	7.992e+05	47.9	1.78	1.07e-04	0.0	0.0
5	4.694	0.213	0.162	8.126e+05	48.7	9.744e+04	5.8	60.29	3.62e-03	0.0	0.0
6	5.353	0.187	0.162	7.837e+04	4.7	6.016e+04	3.6	12.29	7.37e-04	0.0	0.0
7	10.204	0.098	0.131	171.71	1.03e-02	1564.23	9.38e-02	2.96	1.77e-04	0.0	0.0
8	10.559	0.095	0.129	0.17	1.02e-05	0.68	4.09e-05	2.029e+05	12.2	0.0	0.0
9	10.828	0.092	0.127	0.58	3.47e-05	0.75	4.48e-05	2.173e+05	13.0	0.0	0.0
10	12.382	0.081	0.119	3.27	1.96e-04	0.30	1.82e-05	1.617e+05	9.7	0.0	0.0
11	13.180	0.076	0.116	1952.58	0.1	2.45	1.47e-04	534.54	3.21e-02	0.0	0.0
12	15.689	0.064	0.107	357.28	2.14e-02	4233.13	0.3	2379.37	0.1	0.0	0.0
13	15.995	0.063	0.106	1997.09	0.1	392.32	2.35e-02	2.376e+05	14.2	0.0	0.0
14	16.814	0.059	0.104	422.43	2.53e-02	756.20	4.53e-02	9.670e+04	5.8	0.0	0.0
15	21.465	0.047	0.095	711.47	4.27e-02	414.08	2.48e-02	4.485e+05	26.9	0.0	0.0
16	22.656	0.044	0.093	3.26	1.96e-04	1307.83	7.84e-02	1.817e+05	10.9	0.0	0.0
17	24.396	0.041	0.091	1509.16	9.05e-02	131.71	7.90e-03	7.186e+04	4.3	0.0	0.0
18	35.568	0.028	0.082	18.49	1.11e-03	10.93	6.55e-04	4.192e+04	2.5	0.0	0.0
Risulta				1.668e+06		1.668e+06		1.663e+06			
In percentuale				99.99		99.99		99.72			

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) = 0.162 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 2.021 sec.
			numero di modi considerati: 18
			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
cm	daN	cm	cm	cm	cm	cm	cm			
950.00	1.047e+04	1.793e+04	3993.47	257.25	0.0	1.674e+04	3993.47	0.616	0.957	0.0
913.33	1.302e+04	1.688e+04	3993.47	98.00	0.0	1.674e+04	3993.47	2.530	0.109	0.0
876.67	1.302e+04	1.688e+04	3993.47	98.00	0.0	1.674e+04	3993.47	2.530	0.109	0.0
840.00	1.073e+06	1.879e+04	3993.47	257.25	0.0	1.712e+04	3993.47	0.532	1.456	0.0
786.67	3.788e+04	1.710e+04	3993.47	98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
733.33	3.788e+04	1.710e+04	3993.47	98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
680.00	3.788e+04	1.710e+04	3993.47	98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
626.67	3.788e+04	1.710e+04	3993.47	98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
573.33	3.788e+04	1.710e+04	3993.47	98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
520.00	4.059e+04	1.708e+04	3993.47	98.00	0.0	1.712e+04	3993.47	1.916	0.034	1.6250e-06
450.00	3.486e+04	1.713e+04	3990.11	98.00	0.0	1.763e+04	3993.46	1.562	0.515	0.003
400.00	2.642e+04	1.723e+04	3984.60	98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
350.00	2.642e+04	1.723e+04	3984.60	98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
300.00	2.642e+04	1.723e+04	3984.60	98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
250.00	2.642e+04	1.723e+04	3984.60	98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
200.00	2.642e+04	1.723e+04	3984.60	98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
150.00	4.281e+04	1.714e+04	3990.73	98.00	0.0	1.712e+04	3993.47	2.185	0.019	0.002
100.00	5.919e+04	1.710e+04	3993.47	98.00	0.0	1.712e+04	3993.47	2.185	0.018	0.0
50.00	5.920e+04	1.710e+04	3993.44	98.00	0.0	1.712e+04	3993.47	2.185	0.018	1.9780e-05
Risulta	1.668e+06									

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

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
1	0.495	2.021	0.030	0.40	2.39e-05	6.247e+05	37.5	1.14e-04	0.0	0.0	0.0
2	0.559	1.788	0.038	7.124e+05	42.7	4.32	2.59e-04	1.98e-04	0.0	0.0	0.0
3	0.598	1.671	0.041	10.51	6.30e-04	1.466e+05	8.8	4.34e-04	0.0	0.0	0.0
4	4.736	0.211	0.162	4.286e+05	25.7	4.805e+05	28.8	28.89	1.73e-03	0.0	0.0
5	4.747	0.211	0.162	5.196e+05	31.2	3.966e+05	23.8	43.71	2.62e-03	0.0	0.0
6	5.282	0.189	0.162	0.11	6.75e-06	1.264e+04	0.8	0.07	3.96e-06	0.0	0.0
7	10.578	0.095	0.129	0.53	3.19e-05	165.99	9.95e-03	1.564e+05	9.4	0.0	0.0
8	10.668	0.094	0.128	0.89	5.32e-05	246.18	1.48e-02	1.945e+05	11.7	0.0	0.0
9	11.281	0.089	0.125	4.50	2.70e-04	86.42	5.18e-03	1.051e+05	6.3	0.0	0.0
10	12.402	0.081	0.119	178.90	1.07e-02	0.92	5.54e-05	5.895e+04	3.5	0.0	0.0
11	13.106	0.076	0.116	598.33	3.59e-02	70.69	4.24e-03	7.921e+04	4.7	0.0	0.0
12	13.960	0.072	0.113	2005.46	0.1	83.11	4.98e-03	2.540e+04	1.5	0.0	0.0
13	16.242	0.062	0.105	643.55	3.86e-02	1964.47	0.1	1.718e+05	10.3	0.0	0.0
14	17.440	0.057	0.102	694.77	4.17e-02	2692.69	0.2	1.364e+05	8.2	0.0	0.0
15	20.058	0.050	0.097	1973.86	0.1	61.88	3.71e-03	2.655e+05	15.9	0.0	0.0
16	22.848	0.044	0.093	96.70	5.80e-03	675.84	4.05e-02	3.446e+05	20.7	0.0	0.0
17	27.061	0.037	0.088	136.53	8.19e-03	475.37	2.85e-02	1.166e+05	7.0	0.0	0.0
18	33.000	0.030	0.083	618.03	3.71e-02	3.79e-03	0.0	5385.51	0.3	0.0	0.0
Risulta				1.668e+06		1.668e+06		1.660e+06			
In percentuale				99.99		99.99		99.54			

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) = 0.162 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.237 sec.
			numero di modi considerati: 18
			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
cm	daN	cm	cm	cm	cm	cm	cm			
950.00	1.047e+04	1.793e+04	3993.47	-257.25	0.0	1.674e+04	3993.47	0.616	0.957	0.0
913.33	1.302e+04	1.688e+04	3993.47	-98.00	0.0	1.674e+04	3993.47	2.530	0.109	0.0
876.67	1.302e+04	1.688e+04	3993.47	-98.00	0.0	1.674e+04	3993.47	2.530	0.109	0.0
840.00	1.073e+06	1.879e+04	3993.47	-257.25	0.0	1.712e+04	3993.47	0.532	1.456	0.0
786.67	3.788e+04	1.710e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
733.33	3.788e+04	1.710e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
680.00	3.788e+04	1.710e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
626.67	3.788e+04	1.710e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
573.33	3.788e+04	1.710e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	2.186	0.018	0.0
520.00	4.059e+04	1.708e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	1.916	0.034	1.6250e-06
450.00	3.486e+04	1.713e+04	3990.11	-98.00	0.0	1.763e+04	3993.46	1.562	0.515	0.003
400.00	2.642e+04	1.723e+04	3984.60	-98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
350.00	2.642e+04	1.723e+04	3984.60	-98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
300.00	2.642e+04	1.723e+04	3984.60	-98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
250.00	2.642e+04	1.723e+04	3984.60	-98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
200.00	2.642e+04	1.723e+04	3984.60	-98.00	0.0	1.763e+04	3993.46	1.562	0.408	0.009
150.00	4.281e+04	1.714e+04	3990.73	-98.00	0.0	1.712e+04	3993.47	2.185	0.019	0.002
100.00	5.919e+04	1.710e+04	3993.47	-98.00	0.0	1.712e+04	3993.47	2.185	0.018	0.0
50.00	5.920e+04	1.710e+04	3993.44	-98.00	0.0	1.712e+04	3993.47	2.185	0.018	1.9780e-05
Risulta	1.668e+06									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.559	1.788	0.038	7.124e+05	42.7	5.20	3.12e-04	1.98e-04	0.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
2	0.570	1.754	0.039	5.98	3.59e-04	6.325e+05	37.9	0.0	0.0	0.0	0.0
3	0.607	1.646	0.042	7.66	4.59e-04	142.17	8.53e-03	6.19e-04	0.0	0.0	0.0
4	4.217	0.237	0.162	113.35	6.80e-03	9.027e+05	54.1	0.16	9.45e-06	0.0	0.0
5	4.742	0.211	0.162	9.481e+05	56.8	92.38	5.54e-03	72.39	4.34e-03	0.0	0.0
6	5.289	0.189	0.162	8.19	4.91e-04	1.208e+05	7.2	0.01	0.0	0.0	0.0
7	9.890	0.101	0.133	2.83	1.70e-04	2877.48	0.2	1.86	1.12e-04	0.0	0.0
8	10.628	0.094	0.128	6.58e-06	0.0	3.83e-04	0.0	3.603e+05	21.6	0.0	0.0
9	11.478	0.087	0.123	4.17	2.50e-04	0.02	1.41e-06	1.168e+05	7.0	0.0	0.0
10	12.303	0.081	0.119	144.63	8.67e-03	0.46	2.76e-05	4.784e+04	2.9	0.0	0.0
11	13.386	0.075	0.115	1553.77	9.32e-02	0.38	2.29e-05	3.869e+04	2.3	0.0	0.0
12	14.517	0.069	0.111	1413.88	8.48e-02	24.39	1.46e-03	1.474e+05	8.8	0.0	0.0
13	15.117	0.066	0.109	9.69	5.81e-04	5814.74	0.3	925.43	5.55e-02	0.0	0.0
14	17.920	0.056	0.101	1392.41	8.35e-02	19.51	1.17e-03	2.190e+05	13.1	0.0	0.0
15	20.105	0.050	0.097	1554.49	9.32e-02	12.08	7.24e-04	3.831e+05	23.0	0.0	0.0
16	21.219	0.047	0.095	13.86	8.31e-04	2549.22	0.2	146.55	8.79e-03	0.0	0.0
17	25.013	0.040	0.090	173.23	1.04e-02	3.32	1.99e-04	3.430e+05	20.6	0.0	0.0
18	32.211	0.031	0.084	692.89	4.15e-02	2.04	1.22e-04	2203.66	0.1	0.0	0.0
Risulta				1.668e+06		1.668e+06		1.660e+06			
In percentuale				99.99		99.99		99.51			

Cmb		Pilas. 1000 etaT/h	etaT cm	inter. h cm		Pilas. 1000 etaT/h	etaT cm	inter. h cm		Pilas. 1000 etaT/h	etaT cm	inter. h cm
33	1	3.86	3.24	840.0	2	3.83	3.22	840.0	3	4.09	3.44	840.0
	5	2.73	2.30	840.0	6	2.68	2.25	840.0	7	3.05	2.56	840.0
	8	3.53	2.97	840.0	30	4.25	0.47	110.0	31	4.13	0.45	110.0
	32	4.62	0.51	110.0	33	5.92	0.65	110.0	34	5.29	0.58	110.0
	35	6.74	0.74	110.0	36	6.02	0.66	110.0	37	6.26	0.69	110.0
	38	4.47	3.75	840.0								
34	1	3.91	3.29	840.0	2	3.50	2.94	840.0	3	3.17	2.66	840.0
	5	4.11	3.45	840.0	6	3.71	3.12	840.0	7	3.39	2.85	840.0
	8	3.38	2.84	840.0	30	6.22	0.68	110.0	31	5.64	0.62	110.0
	32	5.17	0.57	110.0	33	5.40	0.59	110.0	34	5.13	0.56	110.0
	35	4.88	0.54	110.0	36	6.03	0.66	110.0	37	4.91	0.54	110.0
	38	3.15	2.64	840.0								
35	1	3.92	3.29	840.0	2	3.53	2.96	840.0	3	3.18	2.67	840.0
	5	4.17	3.50	840.0	6	3.80	3.19	840.0	7	3.48	2.92	840.0
	8	3.47	2.91	840.0	30	6.30	0.69	110.0	31	5.75	0.63	110.0
	32	5.29	0.58	110.0	33	5.42	0.60	110.0	34	5.24	0.58	110.0
	35	4.88	0.54	110.0	36	5.99	0.66	110.0	37	4.93	0.54	110.0
	38	3.17	2.66	840.0								
36	1	3.87	3.25	840.0	2	3.84	3.23	840.0	3	4.09	3.43	840.0
	5	2.81	2.36	840.0	6	2.76	2.32	840.0	7	3.09	2.59	840.0
	8	3.50	2.94	840.0	30	4.34	0.48	110.0	31	4.23	0.47	110.0
	32	4.68	0.51	110.0	33	5.92	0.65	110.0	34	5.27	0.58	110.0
	35	6.72	0.74	110.0	36	5.99	0.66	110.0	37	6.25	0.69	110.0
	38	4.41	3.70	840.0								
37	1	3.46	2.91	840.0	2	3.46	2.91	840.0	3	3.77	3.17	840.0
	5	3.07	2.58	840.0	6	3.07	2.58	840.0	7	3.41	2.87	840.0
	8	3.71	3.11	840.0	30	4.72	0.52	110.0	31	4.67	0.51	110.0
	32	5.14	0.57	110.0	33	5.39	0.59	110.0	34	5.55	0.61	110.0
	35	6.13	0.67	110.0	36	5.44	0.60	110.0	37	5.80	0.64	110.0
	38	4.04	3.39	840.0								
38	1	4.35	3.66	840.0	2	3.94	3.31	840.0	3	3.55	2.98	840.0
	5	3.95	3.32	840.0	6	3.48	2.92	840.0	7	3.03	2.54	840.0
	8	3.00	2.52	840.0	30	6.01	0.66	110.0	31	5.30	0.58	110.0
	32	4.65	0.51	110.0	33	6.02	0.66	110.0	34	4.59	0.50	110.0
	35	5.40	0.59	110.0	36	6.67	0.73	110.0	37	5.45	0.60	110.0
	38	3.52	2.96	840.0								
39	1	4.36	3.66	840.0	2	3.96	3.33	840.0	3	3.57	2.99	840.0
	5	4.01	3.37	840.0	6	3.57	3.00	840.0	7	3.12	2.62	840.0
	8	3.08	2.59	840.0	30	6.08	0.67	110.0	31	5.41	0.60	110.0
	32	4.77	0.52	110.0	33	6.04	0.66	110.0	34	4.69	0.52	110.0
	35	5.41	0.59	110.0	36	6.63	0.73	110.0	37	5.47	0.60	110.0
	38	3.53	2.97	840.0								
40	1	3.47	2.92	840.0	2	3.47	2.92	840.0	3	3.76	3.16	840.0
	5	3.15	2.65	840.0	6	3.15	2.64	840.0	7	3.46	2.90	840.0
	8	3.69	3.10	840.0	30	4.80	0.53	110.0	31	4.77	0.52	110.0
	32	5.21	0.57	110.0	33	5.39	0.59	110.0	34	5.55	0.61	110.0
	35	6.11	0.67	110.0	36	5.42	0.60	110.0	37	5.78	0.64	110.0

41	38	3.98	3.34	840.0								
	1	4.14	3.47	840.0	2	3.75	3.15	840.0	3	3.42	2.88	840.0
	5	3.90	3.27	840.0	6	3.49	2.93	840.0	7	3.14	2.64	840.0
	8	3.12	2.62	840.0	30	6.00	0.66	110.0	31	5.38	0.59	110.0
	32	4.87	0.54	110.0	33	5.70	0.63	110.0	34	4.83	0.53	110.0
	35	5.17	0.57	110.0	36	6.28	0.69	110.0	37	5.22	0.57	110.0
	38	3.41	2.86	840.0								
42	1	2.76	2.32	840.0	2	2.71	2.27	840.0	3	3.04	2.56	840.0
	5	3.83	3.22	840.0	6	3.79	3.19	840.0	7	4.04	3.39	840.0
	8	4.37	3.67	840.0	30	5.97	0.66	110.0	31	5.87	0.65	110.0
	32	6.19	0.68	110.0	33	4.17	0.46	110.0	34	6.65	0.73	110.0
	35	5.26	0.58	110.0	36	4.30	0.47	110.0	37	4.62	0.51	110.0
	38	3.47	2.91	840.0								
43	1	2.77	2.33	840.0	2	2.72	2.28	840.0	3	3.08	2.58	840.0
	5	3.91	3.29	840.0	6	3.88	3.26	840.0	7	4.14	3.48	840.0
	8	4.51	3.79	840.0	30	6.04	0.66	110.0	31	5.96	0.66	110.0
	32	6.32	0.70	110.0	33	4.17	0.46	110.0	34	6.82	0.75	110.0
	35	5.30	0.58	110.0	36	4.29	0.47	110.0	37	4.66	0.51	110.0
	38	3.57	2.99	840.0								
44	1	4.15	3.48	840.0	2	3.75	3.15	840.0	3	3.43	2.88	840.0
	5	3.97	3.33	840.0	6	3.55	2.98	840.0	7	3.21	2.70	840.0
	8	3.20	2.68	840.0	30	6.04	0.66	110.0	31	5.44	0.60	110.0
	32	4.96	0.55	110.0	33	5.68	0.63	110.0	34	4.92	0.54	110.0
	35	5.17	0.57	110.0	36	6.28	0.69	110.0	37	5.22	0.57	110.0
	38	3.41	2.87	840.0								
45	1	3.98	3.34	840.0	2	3.52	2.96	840.0	3	3.06	2.57	840.0
	5	4.34	3.64	840.0	6	3.93	3.30	840.0	7	3.52	2.96	840.0
	8	3.49	2.93	840.0	30	6.63	0.73	110.0	31	6.00	0.66	110.0
	32	5.41	0.60	110.0	33	5.37	0.59	110.0	34	5.35	0.59	110.0
	35	4.63	0.51	110.0	36	6.06	0.67	110.0	37	4.70	0.52	110.0
	38	3.02	2.54	840.0								
46	1	3.10	2.60	840.0	2	3.09	2.59	840.0	3	3.41	2.86	840.0
	5	3.43	2.88	840.0	6	3.42	2.87	840.0	7	3.72	3.12	840.0
	8	3.94	3.31	840.0	30	5.39	0.59	110.0	31	5.34	0.59	110.0
	32	5.72	0.63	110.0	33	4.71	0.52	110.0	34	6.04	0.66	110.0
	35	5.53	0.61	110.0	36	4.76	0.52	110.0	37	5.15	0.57	110.0
	38	3.65	3.07	840.0								
47	1	3.11	2.61	840.0	2	3.10	2.61	840.0	3	3.44	2.89	840.0
	5	3.51	2.95	840.0	6	3.51	2.94	840.0	7	3.81	3.20	840.0
	8	4.09	3.43	840.0	30	5.46	0.60	110.0	31	5.44	0.60	110.0
	32	5.85	0.64	110.0	33	4.71	0.52	110.0	34	6.21	0.68	110.0
	35	5.56	0.61	110.0	36	4.75	0.52	110.0	37	5.19	0.57	110.0
	38	3.74	3.14	840.0								
48	1	3.99	3.35	840.0	2	3.52	2.96	840.0	3	3.07	2.58	840.0
	5	4.41	3.70	840.0	6	3.99	3.35	840.0	7	3.59	3.02	840.0
	8	3.57	3.00	840.0	30	6.68	0.73	110.0	31	6.07	0.67	110.0
	32	5.51	0.61	110.0	33	5.35	0.59	110.0	34	5.45	0.60	110.0
	35	4.63	0.51	110.0	36	6.07	0.67	110.0	37	4.70	0.52	110.0
	38	3.04	2.55	840.0								
49	1	3.09	2.59	840.0	2	3.22	2.71	840.0	3	3.86	3.24	840.0
	5	2.19	1.84	840.0	6	2.38	2.00	840.0	7	3.19	2.68	840.0
	8	4.45	3.74	840.0	30	3.53	0.39	110.0	31	3.48	0.38	110.0
	32	4.66	0.51	110.0	33	4.80	0.53	110.0	34	6.50	0.72	110.0
	35	7.23	0.80	110.0	36	4.83	0.53	110.0	37	5.70	0.63	110.0
	38	4.95	4.16	840.0								
50	1	3.13	2.63	840.0	2	2.82	2.36	840.0	3	2.83	2.38	840.0
	5	3.73	3.13	840.0	6	3.47	2.91	840.0	7	3.48	2.92	840.0
	8	4.21	3.54	840.0	30	5.72	0.63	110.0	31	5.13	0.56	110.0
	32	5.13	0.56	110.0	33	4.12	0.45	110.0	34	6.24	0.69	110.0
	35	5.50	0.61	110.0	36	4.86	0.53	110.0	37	4.12	0.45	110.0
	38	3.70	3.11	840.0								
51	1	3.12	2.62	840.0	2	2.84	2.39	840.0	3	2.88	2.42	840.0
	5	3.77	3.17	840.0	6	3.54	2.97	840.0	7	3.57	3.00	840.0
	8	4.38	3.68	840.0	30	5.79	0.64	110.0	31	5.23	0.58	110.0
	32	5.26	0.58	110.0	33	4.16	0.46	110.0	34	6.44	0.71	110.0
	35	5.55	0.61	110.0	36	4.82	0.53	110.0	37	4.19	0.46	110.0
	38	3.84	3.22	840.0								
52	1	3.10	2.60	840.0	2	3.21	2.70	840.0	3	3.83	3.22	840.0
	5	2.18	1.84	840.0	6	2.34	1.97	840.0	7	3.13	2.63	840.0
	8	4.30	3.61	840.0	30	3.49	0.38	110.0	31	3.42	0.38	110.0
	32	4.56	0.50	110.0	33	4.78	0.53	110.0	34	6.33	0.70	110.0
	35	7.19	0.79	110.0	36	4.84	0.53	110.0	37	5.65	0.62	110.0
	38	4.83	4.06	840.0								
53	1	3.75	3.15	840.0	2	3.51	2.95	840.0	3	3.54	2.97	840.0
	5	3.13	2.63	840.0	6	2.85	2.39	840.0	7	2.88	2.42	840.0
	8	3.84	3.22	840.0	30	4.86	0.53	110.0	31	4.17	0.46	110.0
	32	4.20	0.46	110.0	33	5.20	0.57	110.0	34	5.61	0.62	110.0

	35	6.35	0.70	110.0	36	5.76	0.63	110.0	37	5.22	0.57	110.0
	38	4.35	3.66	840.0								
54	1	2.18	1.83	840.0	2	2.34	1.97	840.0	3	3.14	2.64	840.0
	5	3.06	2.57	840.0	6	3.18	2.67	840.0	7	3.80	3.19	840.0
	8	4.81	4.04	840.0	30	4.78	0.53	110.0	31	4.73	0.52	110.0
	32	5.61	0.62	110.0	33	3.43	0.38	110.0	34	7.12	0.78	110.0
	35	6.39	0.70	110.0	36	3.52	0.39	110.0	37	4.58	0.50	110.0
	38	4.30	3.61	840.0								
55	1	2.18	1.83	840.0	2	2.37	1.99	840.0	3	3.19	2.68	840.0
	5	3.11	2.62	840.0	6	3.26	2.73	840.0	7	3.89	3.27	840.0
	8	4.98	4.18	840.0	30	4.86	0.53	110.0	31	4.84	0.53	110.0
	32	5.75	0.63	110.0	33	3.47	0.38	110.0	34	7.32	0.80	110.0
	35	6.44	0.71	110.0	36	3.49	0.38	110.0	37	4.64	0.51	110.0
	38	4.45	3.73	840.0								
56	1	3.76	3.16	840.0	2	3.50	2.94	840.0	3	3.51	2.94	840.0
	5	3.13	2.63	840.0	6	2.82	2.36	840.0	7	2.82	2.37	840.0
	8	3.69	3.10	840.0	30	4.83	0.53	110.0	31	4.12	0.45	110.0
	32	4.11	0.45	110.0	33	5.17	0.57	110.0	34	5.44	0.60	110.0
	35	6.31	0.69	110.0	36	5.78	0.64	110.0	37	5.17	0.57	110.0
	38	4.24	3.56	840.0								
57	1	3.15	2.65	840.0	2	3.24	2.72	840.0	3	3.54	2.97	840.0
	5	3.15	2.65	840.0	6	3.24	2.72	840.0	7	3.54	2.97	840.0
	8	3.88	3.26	840.0	30	4.90	0.54	110.0	31	4.75	0.52	110.0
	32	5.18	0.57	110.0	33	4.78	0.53	110.0	34	5.68	0.62	110.0
	35	5.65	0.62	110.0	36	4.92	0.54	110.0	37	5.20	0.57	110.0
	38	3.88	3.26	840.0								
58	1	4.12	3.46	840.0	2	3.73	3.13	840.0	3	3.26	2.74	840.0
	5	4.03	3.39	840.0	6	3.63	3.05	840.0	7	3.15	2.64	840.0
	8	3.11	2.62	840.0	30	6.14	0.67	110.0	31	5.34	0.59	110.0
	32	4.62	0.51	110.0	33	5.46	0.60	110.0	34	4.63	0.51	110.0
	35	4.81	0.53	110.0	36	6.27	0.69	110.0	37	4.77	0.52	110.0
	38	3.23	2.71	840.0								
59	1	4.11	3.46	840.0	2	3.75	3.15	840.0	3	3.31	2.78	840.0
	5	4.05	3.40	840.0	6	3.68	3.09	840.0	7	3.23	2.71	840.0
	8	3.28	2.75	840.0	30	6.18	0.68	110.0	31	5.41	0.60	110.0
	32	4.74	0.52	110.0	33	5.49	0.60	110.0	34	4.81	0.53	110.0
	35	4.86	0.53	110.0	36	6.23	0.69	110.0	37	4.83	0.53	110.0
	38	3.36	2.82	840.0								
60	1	3.16	2.65	840.0	2	3.22	2.70	840.0	3	3.49	2.93	840.0
	5	3.17	2.67	840.0	6	3.23	2.71	840.0	7	3.50	2.94	840.0
	8	3.75	3.15	840.0	30	4.90	0.54	110.0	31	4.73	0.52	110.0
	32	5.12	0.56	110.0	33	4.75	0.52	110.0	34	5.55	0.61	110.0
	35	5.60	0.62	110.0	36	4.95	0.54	110.0	37	5.13	0.56	110.0
	38	3.74	3.14	840.0								
61	1	4.04	3.40	840.0	2	3.67	3.08	840.0	3	3.21	2.70	840.0
	5	4.11	3.45	840.0	6	3.75	3.15	840.0	7	3.30	2.77	840.0
	8	3.35	2.81	840.0	30	6.26	0.69	110.0	31	5.49	0.60	110.0
	32	4.82	0.53	110.0	33	5.40	0.59	110.0	34	4.90	0.54	110.0
	35	4.74	0.52	110.0	36	6.16	0.68	110.0	37	4.71	0.52	110.0
	38	3.26	2.74	840.0								
62	1	3.16	2.65	840.0	2	3.22	2.70	840.0	3	3.50	2.94	840.0
	5	3.14	2.64	840.0	6	3.20	2.69	840.0	7	3.47	2.92	840.0
	8	3.73	3.13	840.0	30	4.89	0.54	110.0	31	4.72	0.52	110.0
	32	5.11	0.56	110.0	33	4.72	0.52	110.0	34	5.54	0.61	110.0
	35	5.59	0.61	110.0	36	4.92	0.54	110.0	37	5.12	0.56	110.0
	38	3.75	3.15	840.0								
63	1	3.15	2.65	840.0	2	3.24	2.73	840.0	3	3.54	2.98	840.0
	5	3.16	2.65	840.0	6	3.25	2.73	840.0	7	3.55	2.99	840.0
	8	3.89	3.27	840.0	30	4.94	0.54	110.0	31	4.80	0.53	110.0
	32	5.23	0.57	110.0	33	4.75	0.52	110.0	34	5.72	0.63	110.0
	35	5.64	0.62	110.0	36	4.87	0.54	110.0	37	5.18	0.57	110.0
	38	3.89	3.26	840.0								
64	1	4.05	3.40	840.0	2	3.65	3.06	840.0	3	3.16	2.66	840.0
	5	4.13	3.47	840.0	6	3.74	3.14	840.0	7	3.27	2.74	840.0
	8	3.23	2.71	840.0	30	6.25	0.69	110.0	31	5.47	0.60	110.0
	32	4.78	0.53	110.0	33	5.36	0.59	110.0	34	4.78	0.53	110.0
	35	4.69	0.52	110.0	36	6.20	0.68	110.0	37	4.65	0.51	110.0
	38	3.13	2.63	840.0								

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7.32

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.

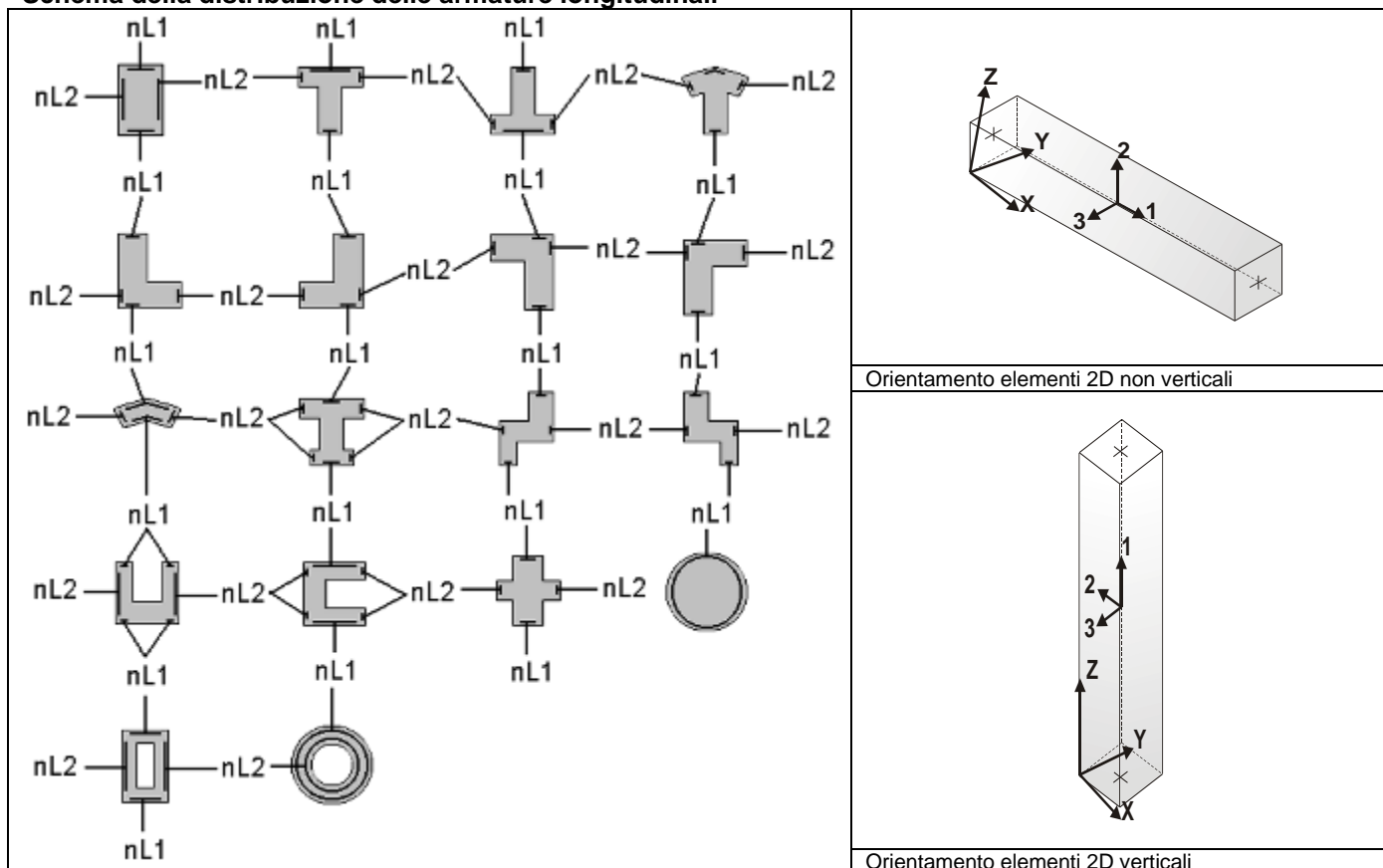
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione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



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 le sollecitazioni delle combinazioni con sisma 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 vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

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 pilastata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell'elemento D2
Note	Codici identificativi delle sezioni (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 E_d/R_d : valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto N_{sd}/N_{rd} ed N_{rd} 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 V_{ed}/V_{rd} : 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 alla G.R. dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell'elemento D2 pilastro
sovr. Xi (Xf)	Verifica sovrarresistenza 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 sovrarresistenza 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 per la 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 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 V_{jbd} 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 effettivamente 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: <ul style="list-style-type: none"> • 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 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. (+)	Fattore di sicurezza nei riguardi della verifica di resistenza a compressione (verificato se < 1.00).
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.
ver. (-)	Fattore di sicurezza nei riguardi della verifica di resistenza a trazione (verificato se < 1.00).
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.
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2} \cdot h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3} \cdot h_{jc3}$).
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 E_d/R_d : 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 V_{ed}/V_{rd} : 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 alla G.R. 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

Per le verifiche alle T.A. di pilastri e travi è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
M_T Z P P	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
Pilas. o Trave	numero identificativo dell'elemento D2
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Quota	Ascissa del punto di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Armat. long.	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (come da fig. precedente)
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup	Area di armatura longitudinale posta all'estradosso della trave
Sc max	Massima tensione di compressione del calcestruzzo
Sc med	Massima tensione media di compressione del calcestruzzo
Sf max	Tensione massima nell'acciaio
staffe	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
Tau max	Tensione massima tangenziale nel cls
Rif. comb	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
AfV	area dell'armatura atta ad assorbire le azioni di taglio
AfT	area dell'armatura atta ad assorbire le azioni di torsione
Scorr. P	Scorrimento dei piegati
Af long.	Area del ferro longitudinale aggiuntivo per assorbire la torsione

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

Test N°	Titolo
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
52	SOVRARESISTENZE
53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
68	VALUTAZIONE EFFETTO P-δ SU PILASTRATA
69	VALUTAZIONE EFFETTO P-δ SU TELAIO 3D
120	PROGETTO E VERIFICA DI TRAVI PREM

Pilas.	Note	Stato	Quota cm	%Af	M_P= 1 r. snell.	X=1.813e+04 Y=3068.3 Armat. long.	V N/M	V N sis	Staffe V L=cm	V/T cls	V/T acc	Rif. cmb
1	s=1,m=7	ok,ok	0.0	2.74	1.24	4d28 6+6 d28	0.97	0.114+4d8/12	L=150	0.29	0.41	6,10,16,2
			420.0	1.40	1.24	4d20 6+6 d20	0.90	0.104+4d8/15	L=540	0.29	0.50	6,10,16,2
	[b=2.0;2.0]		840.0	1.02	1.24	4d20 6+6 d16	0.60	0.094+4d8/12	L=150	0.29	0.41	67,10,16,2

36	s=1,m=7 [b=2.0;2.0]	ok,ok	840.0 950.0	1.02 1.02	0.02 0.02	4d20 6+6 d16 4d20 6+6 d16	2.08e-03 9.96e-05	1.83e-034+4d8/12 L=110 2.60e-054+4d8/12 L=110	0.64 0.65	1.00 1.00	1,11,14,1 10,11,14,1
M_P= 2 X=1.913e+04 Y=3068.3											
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=1,m=7	ok,ok	0.0	2.74	1.57	4d28 6+6 d28	0.94	0.174+4d8/12 L=150	0.29	0.43	7,24,17,2
			420.0	1.40	1.57	4d20 6+6 d20	0.91	0.164+4d8/15 L=540	0.29	0.52	7,24,17,2
	[b=2.0;2.0]		840.0	1.02	1.57	4d20 6+6 d16	0.90	0.154+4d8/12 L=150	0.29	0.43	68,24,17,2
33	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.00e-03	1.80e-034+4d8/12 L=110	0.64	1.00	1,24,17,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	9.17e-06	2.39e-064+4d8/12 L=110	0.65	1.00	21,24,17,1
M_P= 3 X=2.013e+04 Y=3068.3											
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=1,m=7	ok,ok	0.0	2.74	1.59	4d28 6+6 d28	0.97	0.174+4d8/12 L=150	0.29	0.43	4,20,20,25
			420.0	1.40	1.59	4d20 6+6 d20	0.94	0.174+4d8/15 L=540	0.29	0.52	4,20,20,25
	[b=2.0;2.0]		840.0	1.02	1.59	4d20 6+6 d16	0.92	0.164+4d8/12 L=150	0.29	0.43	67,20,20,25
37	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.02e-03	1.80e-034+4d8/12 L=110	0.64	1.00	3,20,19,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	5.07e-06	1.32e-064+4d8/12 L=110	0.65	1.00	17,20,19,1
M_P= 4 X=2.123e+04 Y=3068.3											
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
38	s=1,m=7	ok,ok	0.0	3.14	1.24	4d30 6+6 d30	0.98	0.114+4d8/12 L=150	0.32	0.46	20,19,10,1
			420.0	1.40	1.24	4d20 6+6 d20	0.99	0.104+4d8/15 L=540	0.32	0.55	20,19,10,1
	[b=2.0;2.0]		840.0	1.02	1.24	4d20 6+6 d16	0.60	0.094+4d8/12 L=150	0.32	0.46	67,19,10,1
35	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.33e-03	1.80e-034+4d8/12 L=110	0.64	1.00	24,19,10,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	1.36e-05	3.55e-064+4d8/12 L=110	0.65	1.00	18,19,10,1
M_P= 5 X=1.813e+04 Y=4918.6											
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=1,m=7	ok,ok	0.0	2.74	1.24	4d28 6+6 d28	0.96	0.114+4d8/12 L=150	0.29	0.41	13,7,13,5
			420.0	1.40	1.24	4d20 6+6 d20	0.89	0.104+4d8/15 L=540	0.29	0.50	13,7,13,5
	[b=2.0;2.0]		840.0	1.02	1.24	4d20 6+6 d16	0.60	0.094+4d8/12 L=150	0.29	0.41	67,7,13,5
30	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.07e-03	1.82e-034+4d8/12 L=110	0.64	1.00	9,8,13,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	9.91e-05	2.59e-054+4d8/12 L=110	0.65	1.00	5,8,13,1
M_P= 6 X=1.913e+04 Y=4918.6											
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
6	s=1,m=7	ok,ok	0.0	2.74	1.57	4d28 6+6 d28	0.94	0.174+4d8/12 L=150	0.29	0.43	16,23,23,2
			420.0	1.40	1.57	4d20 6+6 d20	0.92	0.164+4d8/15 L=540	0.29	0.52	16,23,23,2
	[b=2.0;2.0]		840.0	1.02	1.57	4d20 6+6 d16	0.90	0.154+4d8/12 L=150	0.29	0.43	68,23,23,2
31	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.00e-03	1.80e-034+4d8/12 L=110	0.64	1.00	10,23,22,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	9.34e-06	2.44e-064+4d8/12 L=110	0.65	1.00	22,23,22,1
M_P= 7 X=2.013e+04 Y=4918.6											
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
7	s=1,m=7	ok,ok	0.0	2.74	1.59	4d28 6+6 d28	0.97	0.174+4d8/12 L=150	0.29	0.43	11,19,23,2
			420.0	1.40	1.59	4d20 6+6 d20	0.95	0.174+4d8/15 L=540	0.29	0.52	11,19,23,2
	[b=2.0;2.0]		840.0	1.02	1.59	4d20 6+6 d16	0.92	0.164+4d8/12 L=150	0.29	0.43	67,19,23,2
32	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.01e-03	1.80e-034+4d8/12 L=110	0.64	1.00	12,19,24,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	5.06e-06	1.32e-064+4d8/12 L=110	0.65	1.00	18,19,24,1
M_P= 8 X=2.123e+04 Y=4918.6											
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
8	s=1,m=7	ok,ok	0.0	3.14	1.24	4d30 6+6 d30	0.98	0.114+4d8/12 L=150	0.32	0.46	23,20,11,22
			420.0	1.40	1.24	4d20 6+6 d20	0.99	0.104+4d8/15 L=540	0.32	0.55	23,20,11,22
	[b=2.0;2.0]		840.0	1.02	1.24	4d20 6+6 d16	0.60	0.094+4d8/12 L=150	0.32	0.46	68,20,11,22
34	s=1,m=7	ok,ok	840.0	1.02	0.02	4d20 6+6 d16	2.27e-03	1.80e-034+4d8/12 L=110	0.64	1.00	22,20,1,1
	[b=2.0;2.0]		950.0	1.02	0.02	4d20 6+6 d16	1.37e-05	3.58e-064+4d8/12 L=110	0.65	1.00	17,20,11,1
Pilas.											
				%Af	r. snell.	V N/M		V N sis	V V/T clsV V/T acc		
				3.14	1.59	0.99		0.17	0.65 1.00		

1.189e+07 5.882e+06 1.189e+07 5.882e+06

7.940e+04 7.940e+04

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	0.07	0.06	0.0	0.0	ok	3.2	4.3	7.8	7.8	0.41	0.55
	0.06	0.06	0.0	0.0	ok			15.6	15.6	0.20	0.27
2	0.11	0.06	0.0	0.0	ok	3.2	4.3	7.0	7.0	0.45	0.61
	0.10	0.06	0.0	0.0	ok			11.3	11.3	0.28	0.38
3	0.11	0.06	0.0	0.0	ok	3.2	4.3	7.0	7.0	0.46	0.62
	0.10	0.06	0.0	0.0	ok			11.1	11.1	0.29	0.39
5	0.07	0.06	0.0	0.0	ok	3.2	4.3	7.8	7.8	0.41	0.55
	0.06	0.06	0.0	0.0	ok			15.6	15.6	0.20	0.27
6	0.11	0.06	0.0	0.0	ok	3.2	4.3	7.0	7.0	0.45	0.61
	0.10	0.06	0.0	0.0	ok			11.3	11.3	0.28	0.38
7	0.11	0.06	0.0	0.0	ok	3.2	4.3	7.0	7.0	0.46	0.62
	0.10	0.06	0.0	0.0	ok			11.1	11.1	0.29	0.39
8	0.07	0.06	0.0	0.0	ok	3.2	4.3	7.4	7.4	0.43	0.58
	0.06	0.06	0.0	0.0	ok			15.9	15.9	0.20	0.27
30	1.19e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	1.68e-05	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
31	1.17e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	1.58e-06	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
32	1.17e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	0.0	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
33	1.17e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	1.56e-06	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
34	1.17e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	2.33e-06	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
35	1.17e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	2.31e-06	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
36	1.19e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	1.69e-05	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
37	1.17e-03	0.06	0.0	0.0	ok	3.2	4.3	34.8	34.8	0.09	0.12
	0.0	0.06	0.0	0.0	ok			35.6	35.6	0.09	0.12
38	0.07	0.06	0.0	0.0	ok	3.2	4.3	7.4	7.4	0.43	0.58
	0.06	0.06	0.0	0.0	ok			15.9	15.9	0.20	0.27
			2-2	3-3						2-2	3-3
			0.0	0.0						0.46	0.62

Nodo	Conf.	Stato	Pilas.	Diam st mm	Passo cm	n. br. 2	Bj2 cm	Hjc2 cm	n. br. 3	Bj3 cm	Hjc3 cm	V. 7.4.8	V. Ash	7.4.10Rif. cmb
3594	NO	ok	1	8	12.5	4	60.0	51.6	4	60.0	51.66.77e-03	0.0	NR	11,0
3596	NO	ok	2	8	12.5	4	60.0	51.6	4	60.0	51.61.41e-02	0.0	NR	10,0
3598	NO	ok	3	8	12.5	4	60.0	51.6	4	60.0	51.61.24e-02	0.0	NR	12,0
3600	NO	ok	38	8	12.5	4	60.0	51.4	4	60.0	51.44.69e-03	0.0	NR	9,0
3602	NO	ok	5	8	12.5	4	60.0	51.6	4	60.0	51.66.08e-03	0.0	NR	3,0
3604	NO	ok	6	8	12.5	4	60.0	51.6	4	60.0	51.61.27e-02	0.0	NR	1,0
3606	NO	ok	7	8	12.5	4	60.0	51.6	4	60.0	51.61.02e-02	0.0	NR	3,0
3608	NO	ok	8	8	12.5	4	60.0	51.4	4	60.0	51.45.89e-03	0.0	NR	2,0

Nodo	Passo 12.50	V. 7.4.8	V. Ash
		0.01	0.0

Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	M_T= 1 x/d	Z=0.0 V N/M	P=4 V V/T cls	P=8 V V/T acc	Staffe Rif. cmb L=cm
19	ok,ok	0.0	0.54	12.1	20.1	0.0	0.09	0.95	0.47	0.57	2d8/12 L=75 83,0,0
	s=3,m=1	616.0	0.32	12.1	12.1	0.0	0.07	0.41	0.25	0.25	2d8/12 L=511 83,0,32
26	ok,ok	0.0	0.32	12.1	12.1	0.0	0.07	0.37	0.17	0.22	2d8/12 L=618 84,30,32
	s=3,m=1	618.3	0.48	12.1	18.1	0.0	0.09	0.89	0.38	0.55	2d8/12 L=618 88,0,0
4	ok,ok	0.0	0.48	12.1	18.1	0.0	0.09	0.87	0.42	0.52	2d8/12 L=511 87,0,0
	s=3,m=1	616.0	0.32	12.1	12.1	0.0	0.07	0.80	0.29	0.31	2d8/12 L=75 23,0,0
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	M_T= 5 x/d	Z=0.0 V N/M	P=2 V V/T cls	P=4 V V/T acc	Staffe Rif. cmb
16	ok,ok	0.0	0.32	12.1	12.1	3.8	0.07	0.28	0.40	0.69	2d8/8 L=199 85,21,24
	s=3,m=1	199.0	0.32	12.1	12.1	3.8	0.07	0.69	0.48	0.88	2d8/8 L=199 6,21,24
23	ok,ok	0.0	0.32	12.1	12.1	0.0	0.07	0.57	0.45	0.30	2d8/8 L=1 68,26,32
	s=3,m=1	250.0	0.32	12.1	12.1	0.0	0.07	0.30	0.32	0.26	2d8/12 L=269 75,26,32
		500.0	0.32	12.1	12.1	0.0	0.07	0.60	0.39	0.37	2d8/12 L=200 1,26,32
17	ok,ok	0.0	0.32	12.1	12.1	3.9	0.07	0.53	0.39	0.66	2d8/8 L=75 1,23,0

s=3,m=1	500.0	0.32	12.1	12.1	3.9	0.07	0.84	0.49	0.99	2d8/8 L=395	68,23,0
24 ok,ok	0.0	0.32	12.1	12.1	3.8	0.07	0.83	0.48	0.98	2d8/8 L=395	68,29,0
s=3,m=1	500.0	0.32	12.1	12.1	3.8	0.07	0.50	0.39	0.66	2d8/8 L=75	1,29,0
18 ok,ok	0.0	0.32	12.1	12.1	0.0	0.07	0.42	0.37	0.20	2d8/8 L=522	4,23,32
s=3,m=1	552.0	0.32	12.1	12.1	0.0	0.07	0.83	0.49	0.27	2d8/8 L=522	68,0,32
25 ok,ok	0.0	0.32	12.1	12.1	3.9	0.07	0.82	0.44	1.00	2d8/8 L=523	68,26,0
s=3,m=1	553.0	0.32	12.1	12.1	3.7	0.07	0.64	0.37	0.74	2d8/8 L=523	1,26,0

M_T= 6 Z=0.0 P=6 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
22	ok,ok	0.0	0.32	12.1	12.1	3.7	0.07	0.29	0.41	0.70	2d8/8 L=199 86,27,19
s=3,m=1	199.0	0.32	12.1	12.1	3.7	0.07	0.68	0.48	0.87	2d8/8 L=199 13,27,19	
29	ok,ok	0.0	0.32	12.1	12.1	0.0	0.07	0.56	0.45	0.30	2d8/8 L=1 68,29,32
s=3,m=1	250.0	0.32	12.1	12.1	0.0	0.07	0.30	0.32	0.26	2d8/12 L=269 75,29,32	
	500.0	0.32	12.1	12.1	0.0	0.07	0.60	0.39	0.37	2d8/12 L=200 10,29,32	
21	ok,ok	0.0	0.32	12.1	12.1	3.9	0.07	0.53	0.39	0.66	2d8/8 L=75 10,17,0
s=3,m=1	500.0	0.32	12.1	12.1	3.9	0.07	0.84	0.49	0.98	2d8/8 L=395 68,17,0	
28	ok,ok	0.0	0.32	12.1	12.1	3.8	0.07	0.83	0.48	0.98	2d8/8 L=395 68,29,0
s=3,m=1	500.0	0.32	12.1	12.1	3.8	0.07	0.50	0.39	0.66	2d8/8 L=75 10,29,0	
20	ok,ok	0.0	0.32	12.1	12.1	0.0	0.07	0.42	0.35	0.31	2d8/12 L=85 11,22,32
s=3,m=1	552.0	0.32	12.1	12.1	0.0	0.07	0.81	0.46	0.42	2d8/12 L=437 68,0,32	
27	ok,ok	0.0	0.32	12.1	12.1	0.0	0.07	0.80	0.46	0.41	2d8/12 L=438 68,0,32
s=3,m=1	553.0	0.32	12.1	12.1	0.0	0.07	0.66	0.34	0.32	2d8/12 L=85 10,0,32	

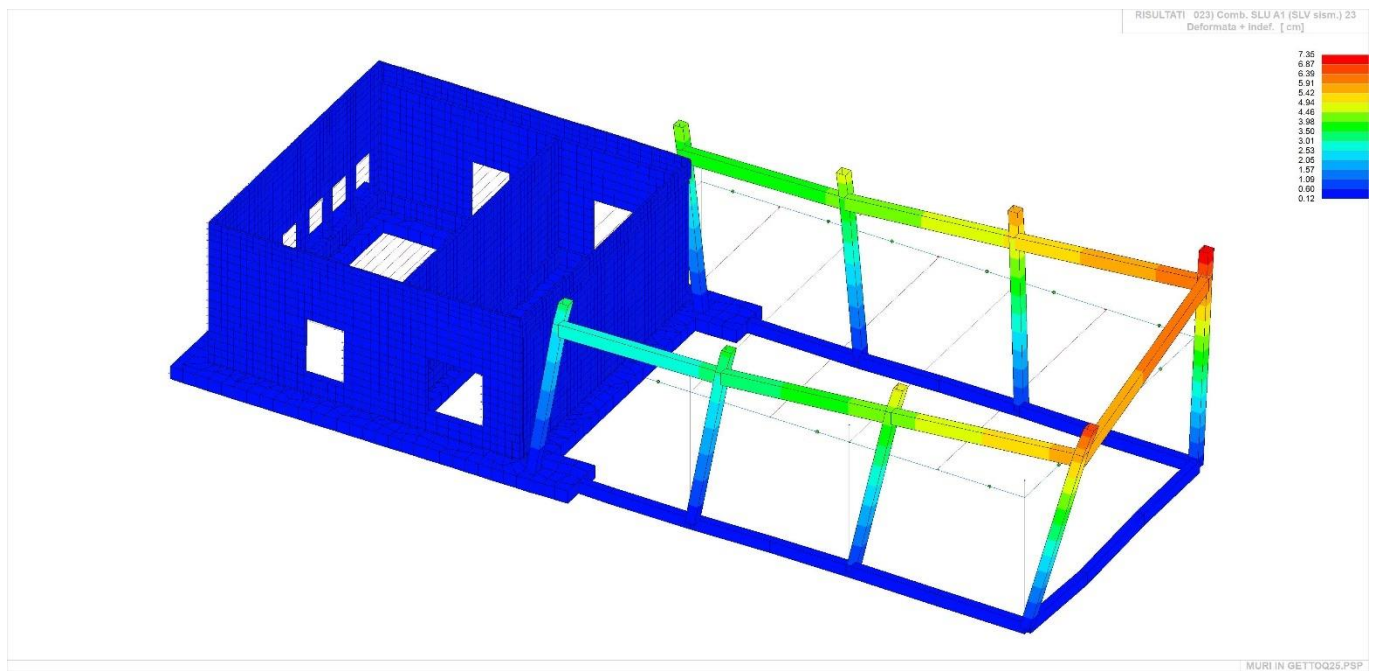
M_T= 2 Z=840.0 P=5 P=8											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
9	NV,ok	0.0	0.60	24.1	14.1	0.0	0.07	0.02	0.50	0.89	2d8/8 L=80 9,87,68
s=2,m=8	500.0	1.66	66.3	18.1	0.0	0.24	0.92	0.09	0.27	2d8/12 L=780 68,1,32	
	1000.0	0.55	22.1	14.1	0.0	0.07	0.02	0.42	0.96	2d8/10 L=80 9,87,68	
10	NV,ok	0.0	0.50	20.1	14.1	0.0	0.06	0.02	0.41	0.92	2d8/10 L=80 88,68,68
s=2,m=8	500.0	1.56	62.3	16.1	0.0	0.23	0.91	0.08	0.21	2d8/12 L=780 68,2,32	
	1000.0	0.50	20.1	14.1	0.0	0.06	0.02	0.41	0.92	2d8/10 L=80 13,68,68	
11	NV,ok	0.0	0.55	22.1	14.1	0.0	0.07	0.02	0.45	0.82	2d8/8 L=80 80,68,68
s=2,m=8	552.5	1.96	78.4	20.1	0.0	0.28	0.90	0.07	0.20	2d8/12 L=885 68,25,32	
	1105.0	0.55	22.1	14.1	0.0	0.07	0.02	0.45	0.82	2d8/8 L=80 80,68,68	

M_T= 3 Z=840.0 P=1 P=4											
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	NV,ok	0.0	0.60	24.1	14.1	0.0	0.07	0.02	0.50	0.89	2d8/8 L=80 2,85,68
s=2,m=8	500.0	1.66	66.3	18.1	0.0	0.24	0.92	0.09	0.27	2d8/12 L=780 68,26,32	
	1000.0	0.55	22.1	14.1	0.0	0.07	0.02	0.42	0.96	2d8/10 L=80 2,85,68	
13	NV,ok	0.0	0.50	20.1	14.1	0.0	0.06	0.02	0.41	0.92	2d8/10 L=80 6,68,68
s=2,m=8	500.0	1.56	62.3	16.1	0.0	0.23	0.91	0.08	0.21	2d8/12 L=780 68,28,32	
	1000.0	0.50	20.1	14.1	0.0	0.06	0.01	0.41	0.92	2d8/10 L=80 6,68,68	
14	NV,ok	0.0	0.55	22.1	14.1	0.0	0.07	0.02	0.45	0.82	2d8/8 L=80 80,68,68
s=2,m=8	552.5	1.96	78.4	20.1	0.0	0.28	0.90	0.07	0.20	2d8/12 L=885 68,26,32	
	1105.0	0.55	22.1	14.1	0.0	0.07	0.02	0.45	0.82	2d8/8 L=80 80,68,68	

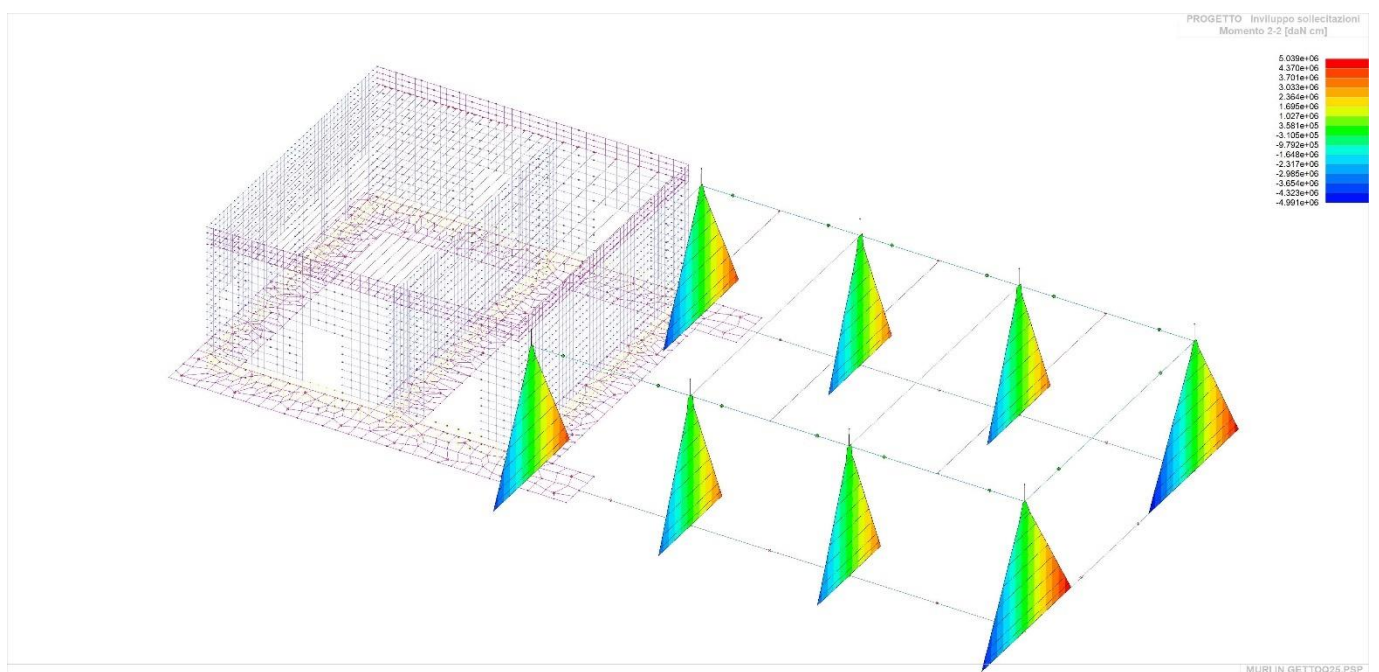
Trave	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc
	1.96	78.41	20.10	3.94	0.28	0.95	0.50	1.00

Trave	M negativo	iM positivo	iM negativo	fM positivo	fLuce per V	V M-i	M+f	V M+i	M-f	VEd,min	VEd,max	Vr1	As
	daN cm	daN cm	daN cm	daN cm	cm	daN	daN	daN	daN	daN	daN	daN	cm2
4	4.837e+06	3.245e+06	3.244e+06	3.244e+06	1790.26	3986.66	5288.53	0.0	0.0	0.0	0.0	0.0	0.0
9	4.090e+06	6.946e+06	4.089e+06	6.378e+06	940.00	1.225e+04	1.291e+04	0.0	0.0	0.0	0.0	0.0	0.0
10	4.090e+06	5.808e+06	4.090e+06	5.808e+06	940.00	1.158e+04	1.158e+04	0.0	0.0	0.0	0.0	0.0	0.0
11	4.089e+06	6.378e+06	4.089e+06	6.378e+06	1045.00	1.102e+04	1.102e+04	0.0	0.0	0.0	0.0	0.0	0.0
12	4.090e+06	6.946e+06	4.089e+06	6.378e+06	940.00	1.225e+04	1.291e+04	0.0	0.0	0.0	0.0	0.0	0.0
13	4.090e+06	5.808e+06	4.090e+06	5.808e+06	940.00	1.158e+04	1.158e+04	0.0	0.0	0.0	0.0	0.0	0.0
14	4.089e+06	6.378e+06	4.089e+06	6.378e+06	1045.00	1.102e+04	1.102e+04	0.0	0.0	0.0	0.0	0.0	0.0
16	3.244e+06	3.244e+06	3.244e+06	3.244e+06	669.00	1.067e+04	1.067e+04	0.0	0.0	0.0	0.0	0.0	0.0
17	3.244e+06	3.244e+06	3.244e+06	3.244e+06	940.00	7591.34	7591.34	0.0	0.0	0.0	0.0	0.0	0.0
18	3.244e+06	3.244e+06	3.244e+06	3.244e+06	1045.00	6828.57	6828.57	0.0	0.0	0.0	0.0	0.0	0.0
19	5.364e+06	3.245e+06	3.244e+06	3.244e+06	1790.26	3986.66	5288.53	0.0	0.0	0.0	0.0	0.0	0.0
20	3.244e+06	3.244e+06	3.244e+06	3.244e+06	1045.00	6828.57	6828.57	0.0	0.0	0.0	0.0	0.0	0.0
21	3.244e+06	3.244e+06	3.244e+06	3.244e+06	940.00	7591.34	7591.34	0.0	0.0	0.0	0.0	0.0	0.0
22	3.244e+06	3.244e+06	3.244e+06	3.244e+06	669.00	1.067e+04	1.067e+04	0.0	0.0	0.0	0.0	0.0	0.0
23	3.244e+06	3.244e+06	3.244e+06	3.244e+06	669.00	1.067e+04	1.067e+04	0.0	0.0	0.0	0.0	0.0	0.0
24	3.244e+06	3.244e+06	3.244e+06	3.244e+06	940.00	7591.34	7591.34	0.0	0.0	0.0	0.0	0.0	0.0
25	3.244e+06	3.244e+06	3.244e+06	3.244e+06	1045.00	6828.57	6828.57	0.0	0.0	0.0	0.0	0.0	0.0
26	3.244e+06	3.244e+06	4.837e+06	3.245e+06	1790.26	3986.66	5288.53	0.0	0.0	0.0	0.0	0.0	0.0
27	3.244e+06	3.244e+06	3.244e+06	3.244e+06	1045.00	6828.57	6828.57	0.0	0.0	0.0	0.0	0.0	0.0
28	3.244e+06	3.244e+06	3.244e+06	3.244e+06	940.00	7591.34	7591.34	0.0	0.0	0.0	0.0	0.0	0.0
29	3.244e+06	3.244e+06	3.244e+06	3.244e+06	669.00	1.067e+04	1.067e+04	0.0	0.0	0.0	0.0	0.0	0.0

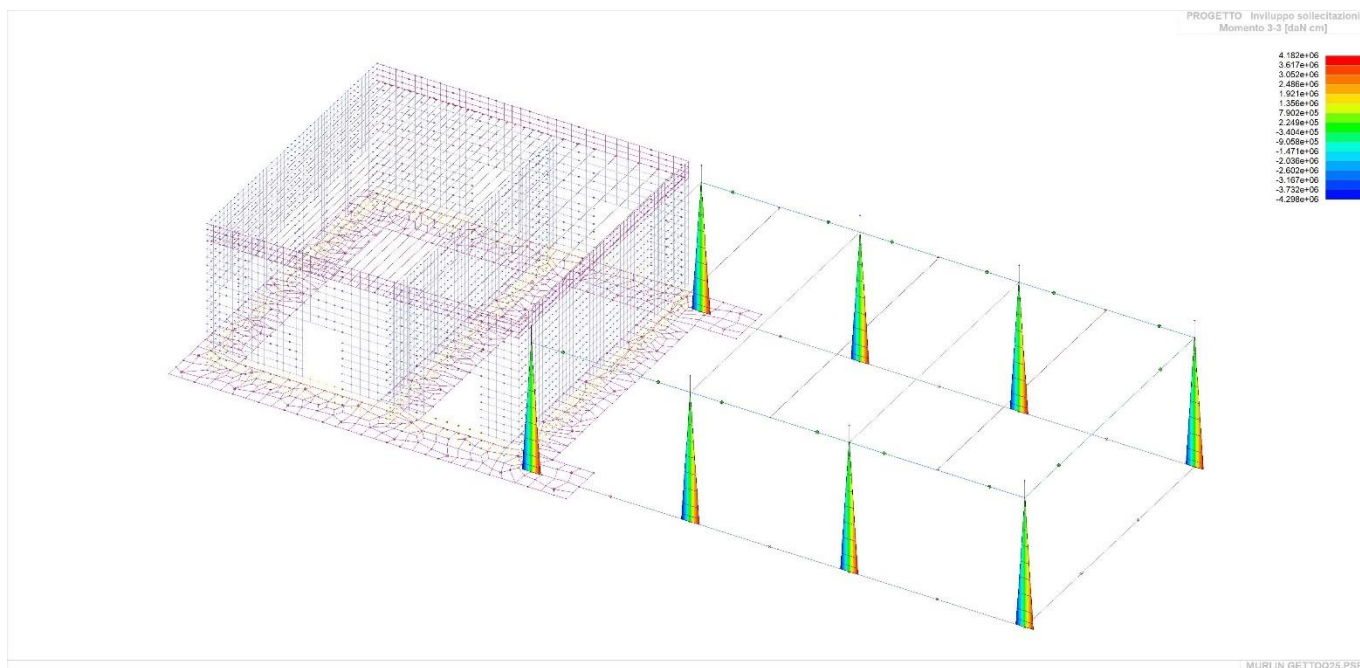
Trave	M negativo	iM positivo	iM negativo	fM positivo	f	V M-i	M+f	V M+i	M-f	VEd,min	VEd,max	Vr1	As
	5.364e+06	6.946e+06	4.837e+06	6.378e+06		1.225e+04	1.291e+04			0.0	0.0	0.0	0.0



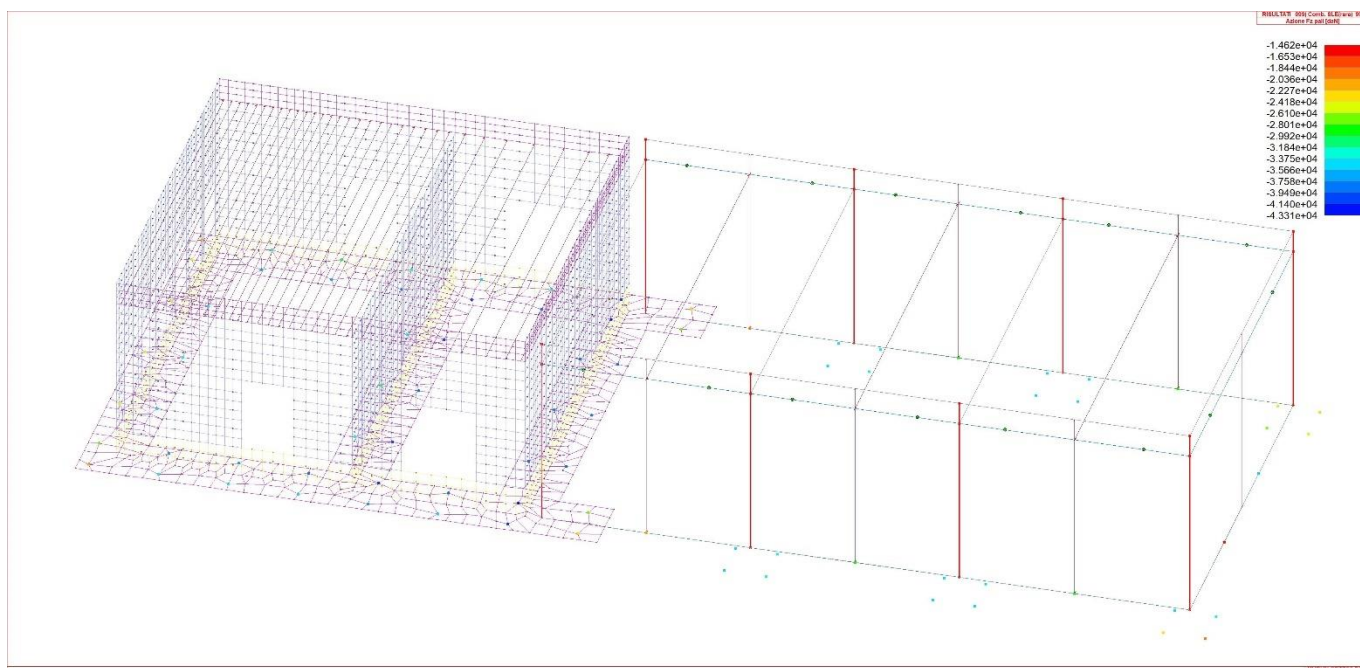
DEFORMATA MASSIMA SISMA SLU



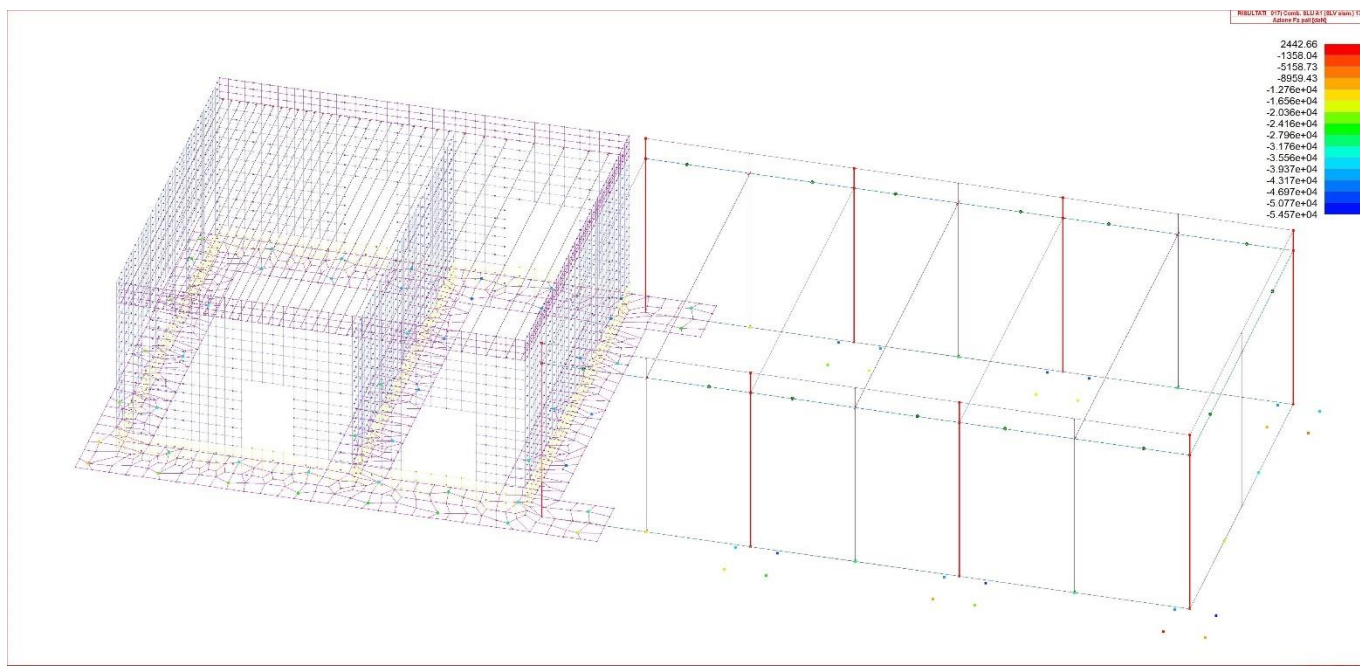
M22 PILASTRI PARTE PREFABBRICATA



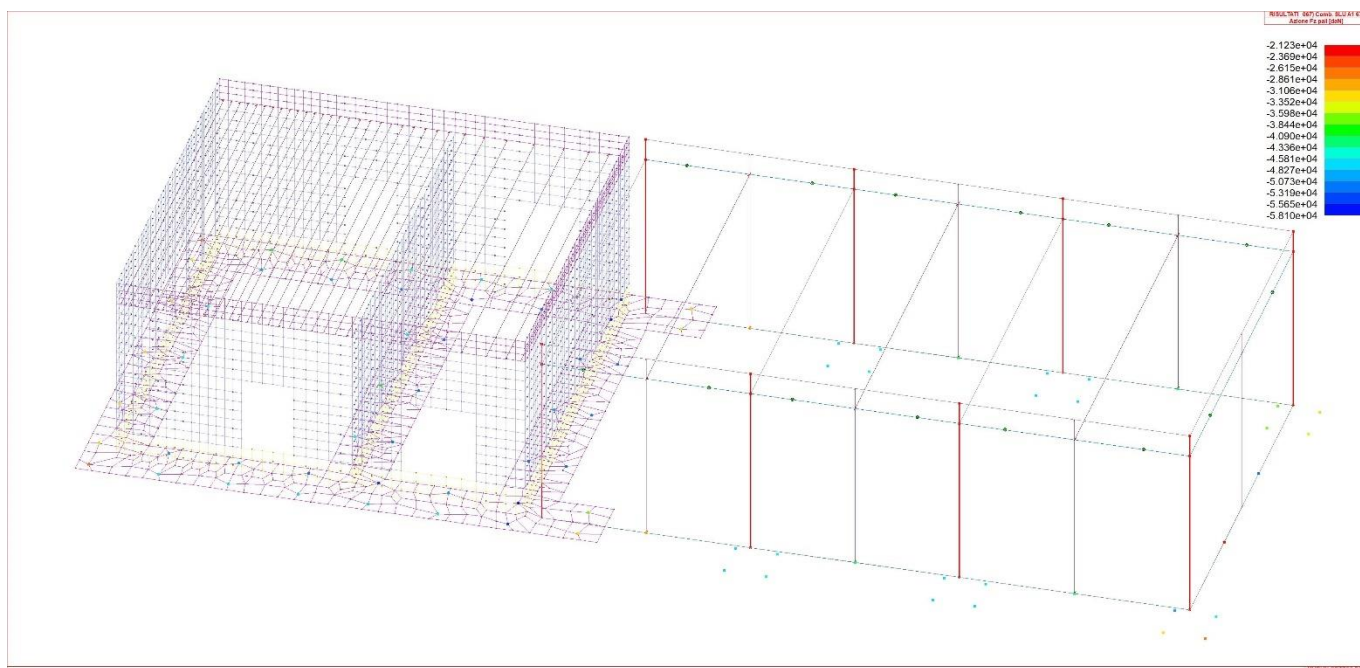
M33 PILASTRI PARTE PREFABBRICATA



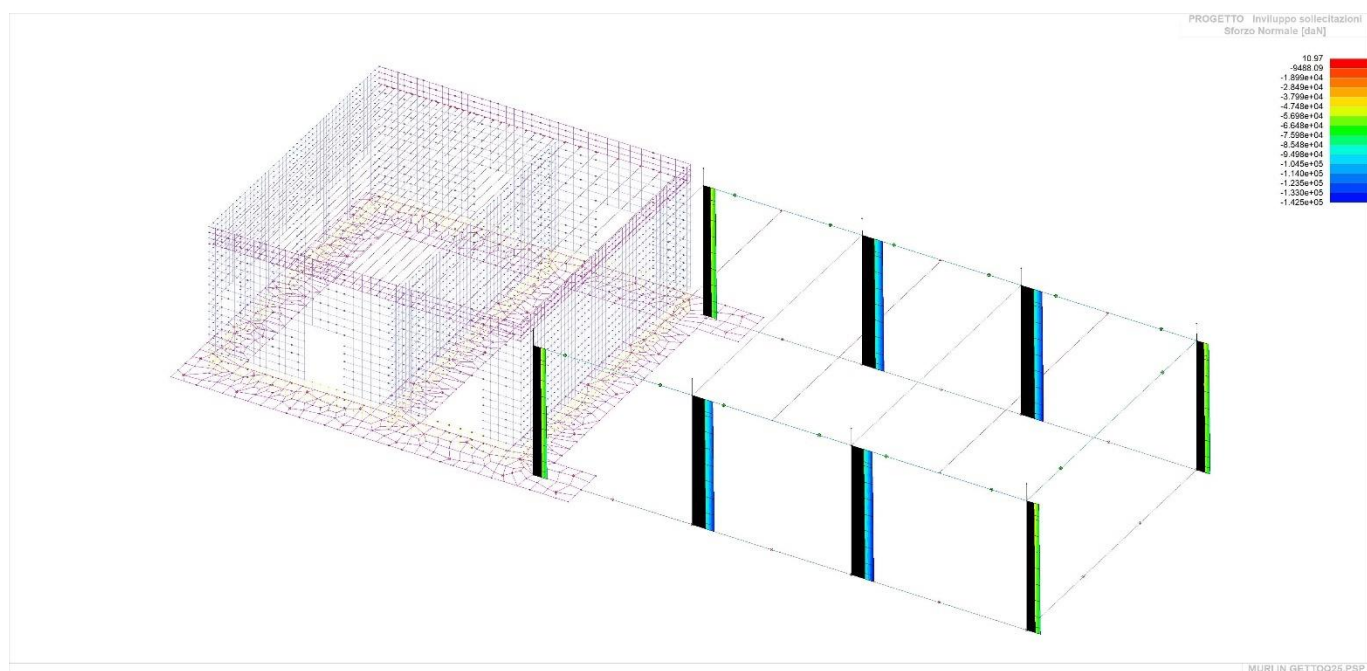
REAZIONE PALI DI FONDAZIONE CONDIZIONE RARA



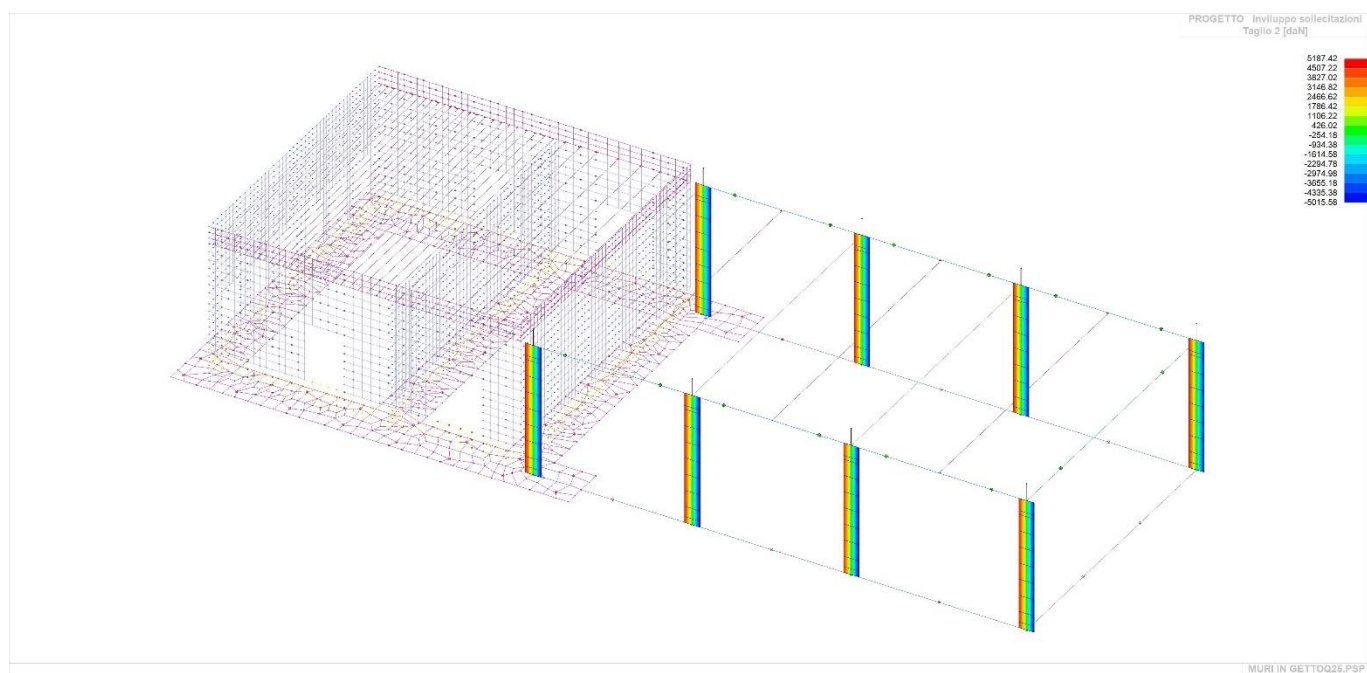
REAZIONE PALI DI FONDAZIONE CONDIZIONE SISMICA



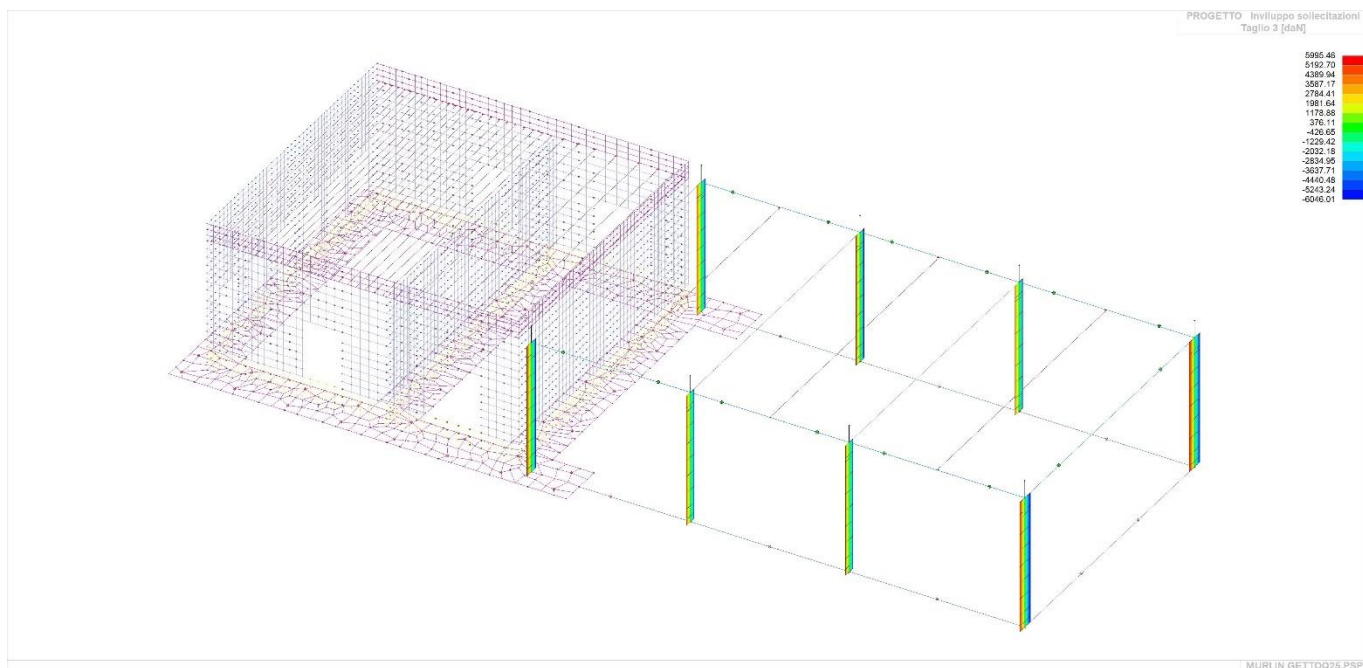
REAZIONE PALI DI FONDAZIONE CONDIZIONE SLU



SFORZO NORMALE PILASTRI



TAGLIO 22 PILASTRI PARTE PREFABBRICATA



TAGLIO 33 PILASTRI PARTE PREFABBRICATA

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 iniluppo 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 fattore 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 “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 “Parete Sismica o 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

Per le verifiche degli elementi con progettazione “Singolo Elemento ...” e Progettazione Composta 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 My 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 armature in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armature 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 le sollecitazioni delle combinazioni con sisma 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 vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

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

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	50.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.05	0.4	3.79e-02	5.7	5.7	7.1	7.1	-139.7	197.6	-43.5	4368.9	1809.7	680.5
2	ok	0.05	0.3	5.38e-02	5.7	5.7	7.1	7.1	-157.7	-34.6	-141.9	2842.5	1171.1	1547.5
3	ok	0.05	0.4	3.72e-02	5.7	5.7	7.1	7.1	-72.3	-98.3	-27.2	3969.7	1809.2	690.2
4	ok	0.05	0.6	2.86e-02	5.7	5.7	7.1	7.1	-73.2	-85.8	-72.2	5570.3	1048.7	182.7
5	ok	0.06	0.4	0.1	11.2	6.7	9.3	8.1	-522.9	-281.6	-49.3	5411.9	809.2	1471.4
6	ok	0.05	0.2	5.46e-02	5.7	5.7	7.1	7.1	-256.8	-218.8	-27.4	2961.2	231.3	645.3
7	ok	0.08	0.4	0.2	17.4	8.4	20.6	14.4	-727.2	-1251.0	-337.8	5698.0	3112.5	3935.1
8	ok	0.07	0.4	0.1	5.7	8.1	7.1	12.2	-363.1	-690.3	-36.6	2639.4	-1839.7	-1107.7
9	ok	0.05	0.4	5.74e-02	5.7	5.7	7.1	7.1	-309.8	-161.9	-19.1	4598.0	1237.4	1153.0
10	ok	0.05	0.7	4.81e-02	5.7	5.7	7.1	7.1	-177.2	-84.3	-19.8	8451.4	1440.5	208.7
11	ok	0.05	0.2	5.65e-02	5.7	5.7	7.1	7.1	-363.1	9.9	65.0	2040.4	394.0	466.9

12	ok	0.05	0.4	5.64e-02	5.7	5.7	7.1	7.1	-74.9	-379.6	-0.5	536.4	-1708.5	-1455.9
13	ok	0.05	0.3	0.1	5.7	5.7	7.1	7.1	-659.6	-67.3	-16.9	5555.7	-1943.1	666.1
14	ok	0.05	0.5	0.1	5.7	5.7	7.1	7.1	-891.8	-277.4	113.2	1.260e+04	358.8	-36.8
15	ok	0.05	0.2	0.1	5.7	5.7	7.1	7.1	-762.6	-46.6	12.5	1870.0	-1682.8	615.7
16	ok	0.05	0.2	0.1	5.7	5.7	7.1	7.1	-665.4	101.9	20.2	2726.7	-544.5	793.5
713	ok	0.05	0.3	0.1	5.7	5.7	7.1	7.1	-653.3	-53.2	30.8	5616.8	-2110.8	-739.5
714	ok	0.05	0.5	0.1	5.7	5.7	7.1	7.1	-900.2	-281.3	-113.4	1.278e+04	208.7	59.3
715	ok	0.05	0.3	0.1	6.2	5.7	7.3	7.1	-907.7	-59.5	73.4	2184.2	-854.8	-951.8
716	ok	0.05	0.3	0.1	5.9	5.7	7.3	7.1	-778.6	236.6	62.8	3209.3	232.1	-1777.5
717	ok	0.05	0.4	6.13e-02	5.7	5.7	7.1	7.1	-318.4	-164.5	-13.7	5478.2	1065.7	-1111.4
718	ok	0.05	0.7	4.27e-02	5.7	5.7	7.1	7.1	-188.4	-96.3	26.1	9149.6	1240.0	-292.2
719	ok	0.05	0.2	6.02e-02	5.7	5.7	7.1	7.1	-346.4	-110.5	-52.8	2304.0	-516.9	415.4
720	ok	0.06	0.4	9.13e-02	5.7	7.4	7.1	11.1	-354.4	-616.7	-54.7	1911.1	-3271.7	2350.3
721	ok	0.05	0.4	5.07e-02	5.7	5.7	7.1	7.1	-118.0	-118.1	-10.1	5411.8	1516.2	-718.5
722	ok	0.05	0.6	3.11e-02	5.7	5.7	7.1	7.1	-138.2	187.8	29.1	5250.6	1922.8	-289.0
723	ok	0.06	0.4	0.1	11.1	6.5	8.7	7.9	-620.8	-276.1	249.7	5654.8	367.7	-1196.8
724	ok	0.08	0.4	0.2	17.8	9.0	21.1	14.6	-795.2	-1165.4	305.7	5872.6	1807.5	-3688.8
725	ok	0.05	0.3	4.19e-02	5.7	5.7	7.1	7.1	-109.7	-62.6	102.7	2892.1	490.7	-1007.4
726	ok	0.05	0.4	3.07e-02	5.7	5.7	7.1	7.1	-61.6	209.0	49.5	3956.5	1754.4	-467.5
727	ok	0.05	0.4	7.45e-02	5.7	6.1	7.1	7.5	-222.6	-418.2	150.1	2129.9	1124.0	-1186.6
728	ok	0.07	0.3	0.1	14.4	8.2	17.3	13.7	-98.7	-1031.2	228.9	-340.7	1189.8	-2098.6
729	ok	0.05	0.3	3.34e-02	5.7	5.7	7.1	7.1	-27.3	-102.3	149.3	2326.6	988.0	-1474.0
730	ok	0.05	0.4	3.31e-02	5.7	5.7	7.1	7.1	26.1	226.8	111.0	3684.8	1487.2	-841.0
731	ok	0.05	0.2	6.42e-02	5.7	5.7	7.1	7.1	-47.4	-381.9	137.6	1435.8	975.6	-272.2
732	ok	0.06	0.3	0.1	5.7	6.2	7.1	8.4	-31.3	-533.6	67.8	264.4	883.6	-433.8
733	ok	0.05	0.3	3.47e-02	5.7	5.7	7.1	7.1	33.8	-123.3	153.6	1951.5	448.8	-1288.7
734	ok	0.05	0.4	3.76e-02	5.7	5.7	7.1	7.1	88.8	172.0	156.3	1309.8	1220.9	-2197.6
735	ok	0.05	0.2	5.60e-02	5.7	5.7	7.1	7.1	4.6	-319.0	147.5	1234.6	783.6	-299.3
736	ok	0.05	0.1	8.35e-02	5.7	5.7	7.1	7.1	9.6	-409.0	88.7	89.6	907.7	-183.1
737	ok	0.05	0.3	3.62e-02	5.7	5.7	7.1	7.1	47.3	-108.2	143.7	1998.8	349.5	-977.1
738	ok	0.05	0.3	3.02e-02	5.7	5.7	7.1	7.1	104.3	138.6	173.8	2009.1	564.0	-1021.8
739	ok	0.05	0.2	6.35e-02	5.7	5.7	7.1	7.1	81.7	-306.3	132.6	855.0	629.3	47.1
740	ok	0.05	0.2	6.50e-02	5.7	5.7	7.1	7.1	-18.4	-70.5	-179.3	-493.3	375.6	971.5
741	ok	0.05	0.3	3.40e-02	5.7	5.7	7.1	7.1	2.3	-68.6	147.9	1987.8	288.6	-911.3
742	ok	0.05	0.3	2.13e-02	5.7	5.7	7.1	7.1	61.8	85.3	146.6	1949.8	593.4	-1205.8
743	ok	0.06	0.4	8.56e-02	9.0	5.7	8.3	7.1	-526.5	137.8	-191.0	3865.7	597.3	-485.5
744	ok	0.06	0.4	0.1	9.7	5.7	10.1	7.1	-615.7	-131.1	53.0	4236.6	606.9	-2216.9
745	ok	0.05	0.3	3.63e-02	5.7	5.7	7.1	7.1	-66.3	-63.6	165.9	2860.3	1105.2	-685.4
746	ok	0.05	0.3	2.37e-02	5.7	5.7	7.1	7.1	-28.5	66.9	154.6	2072.9	475.1	-1449.1
747	ok	0.05	0.3	4.39e-02	5.7	5.7	7.1	7.1	-91.8	-257.9	82.0	1494.6	399.4	147.7
748	ok	0.05	0.4	5.12e-02	5.7	5.7	7.1	7.1	-218.6	75.9	92.7	1493.8	1156.8	-2136.6
749	ok	0.05	0.2	3.96e-02	5.7	5.7	7.1	7.1	-109.0	-17.3	173.6	2688.3	731.4	-294.1
750	ok	0.05	0.3	3.60e-02	5.7	5.7	7.1	7.1	-85.5	-70.9	161.5	2375.0	1693.2	-1625.5
751	ok	0.06	0.4	8.47e-02	8.9	5.7	9.2	7.1	-456.4	-25.8	242.8	4255.3	404.4	-251.5
752	ok	0.06	0.4	0.1	8.3	5.7	9.4	7.1	-575.1	-599.5	262.8	4828.7	1870.5	-2816.8
753	ok	0.05	0.2	3.63e-02	5.7	5.7	7.1	7.1	-135.0	-111.0	-111.7	1488.2	331.8	973.9
754	ok	0.05	0.2	4.24e-02	5.7	5.7	7.1	7.1	-192.2	1.2	-158.9	1471.4	417.7	541.2
755	ok	0.05	0.2	3.13e-02	5.7	5.7	7.1	7.1	-114.8	-20.9	-132.1	1358.3	414.7	659.4
756	ok	0.05	0.3	3.62e-02	5.7	5.7	7.1	7.1	-100.9	-100.3	-140.8	1147.8	807.0	1747.3
757	ok	0.06	0.4	8.78e-02	9.2	5.7	8.0	7.1	-505.1	62.7	-222.1	4387.6	466.6	180.1
758	ok	0.05	0.3	3.43e-02	5.7	5.7	7.1	7.1	-184.5	111.7	-63.4	3514.1	254.9	221.3
759	ok	0.06	0.4	0.1	9.2	5.7	10.6	7.1	-563.5	-339.9	-226.7	3636.5	1177.8	1959.5
760	ok	0.05	0.4	4.39e-02	5.7	5.7	7.1	7.1	-147.9	-47.2	-135.0	2161.3	-748.0	1951.2
761	ok	0.05	0.2	3.06e-02	5.7	5.7	7.1	7.1	-73.4	-61.5	-132.3	1524.6	560.7	913.5
762	ok	0.05	0.3	2.54e-02	5.7	5.7	7.1	7.1	-71.7	-50.9	-106.2	1563.7	481.0	994.1
763	ok	0.05	0.4	7.07e-02	7.9	5.7	7.9	7.1	-439.1	105.7	141.6	3948.5	416.1	-177.2
764	ok	0.06	0.4	9.50e-02	8.4	5.7	9.4	7.1	-511.0	-275.7	217.0	4272.9	1187.5	-2448.7
765	ok	0.05	0.3	1.71e-02	5.7	5.7	7.1	7.1	14.1	-8.1	29.9	1578.9	16.8	-871.0
766	ok	0.05	0.3	4.82e-02	5.7	5.7	7.1	7.1	-274.0	-20.0	-51.6	1809.9	602.6	186.0
767	ok	0.05	0.3	3.81e-02	5.7	5.7	7.1	7.1	-156.9	23.2	59.1	2721.6	753.8	260.6
768	ok	0.05	0.3	2.69e-02	5.7	5.7	7.1	7.1	-160.5	-62.6	32.0	1600.5	-154.9	-865.3
769	ok	0.07	0.4	0.1	14.6	6.3	11.4	7.8	-655.6	-141.1	119.6	4781.9	859.5	458.7
770	ok	0.05	0.3	4.82e-02	5.7	5.7	7.1	7.1	-181.0	51.6	-89.7	1767.4	259.3	123.9
771	ok	0.09	0.5	0.2	20.9	8.4	16.4	10.7	-794.7	-870.0	-299.3	5149.8	2110.8	3033.9
772	ok	0.05	0.4	5.49e-02	5.7	5.7	7.1	7.1	-205.9	-33.0	-129.8	2101.3	-747.8	1866.4
773	ok	0.05	0.3	5.89e-02	5.7	5.7	7.1	7.1	-386.2	52.7	-38.8	1874.1	529.4	-197.6
774	ok	0.05	0.3	6.17e-02	5.7	5.7	7.1	7.1	-383.7	-125.6	57.7	2210.3	-192.5	-331.2
775	ok	0.07	0.4	0.1	13.0	5.7	10.1	7.1	-691.1	142.3	277.0	5188.1	760.3	-663.7
776	ok	0.08	0.5	0.1	17.3	6.4	12.8	7.8	-785.3	-363.5	297.2	5647.3	1663.4	-3250.3
777	ok	0.05	0.3	3.16e-02	5.7	5.7	7.1	7.1	-149.8	12.1	-56.0	1159.6	1215.9	1488.5
778	ok	0.05	0.3	6.17e-02	5.7	5.7	7.1	7.1	-328.0	-2.6	-181.5	2244.9	732.4	291.4
779	ok	0.05	0.3	1.64e-02	5.7	5.7	7.1	7.1	-29.6	4.0	-39.3	1794.0	804.6	962.8
780	ok	0.05	0.3	7.24e-03	5.7	5.7	7.1	7.1	-26.3	112.3	14.4	1481.5	771.8	-386.7
781	ok	0.08	0.4	0.1	16.6	6.1	12.7	7.5	-710.3	-49.7	-348.6	6637.2	767.5	1054.5
782	ok	0.05	0.3	3.53e-02	5.7	5.7	7.1	7.1	-71.8	11.2	35.9	1704.3	70.0	38.9
783	ok	0.10	0.5	0.2	22.3	8.5	17.1	9.8	-890.2	-866.6	-380.0	7610.6	2579.7	4860.7
784	ok	0.05	0.3	5.37e-02	5.7	5.7	7.1	7.1	-129.8	-304.6	71.6	1737.6	-1279.1	-1555.3

785	ok	0.05	0.4	5.81e-02	5.7	5.7	7.1	7.1	-319.6	74.3	173.6	2046.7	615.7	-156.6
786	ok	0.05	0.3	2.60e-02	5.7	5.7	7.1	7.1	-128.6	102.0	109.8	1353.3	1011.7	-731.6
787	ok	0.08	0.4	0.1	15.6	6.4	12.3	7.8	-694.8	72.3	323.0	6297.2	769.7	-372.5
788	ok	0.09	0.5	0.2	19.2	7.8	18.2	8.8	-845.7	-720.0	352.0	5347.6	2091.5	-3146.3
789	ok	0.05	0.2	6.41e-02	5.7	5.7	7.1	7.1	-249.1	-159.8	-217.1	2357.8	1445.0	1259.0
790	ok	0.05	0.2	6.79e-02	5.7	5.7	7.1	7.1	-247.3	37.2	-149.2	2666.4	808.8	378.1
791	ok	0.05	0.3	3.65e-02	5.7	5.7	7.1	7.1	-151.2	-62.4	-128.4	3233.7	1033.9	561.9
792	ok	0.05	0.3	5.09e-02	5.7	5.7	7.1	7.1	-272.1	-102.1	-124.6	3756.2	163.3	809.6
793	ok	0.07	0.4	0.1	12.2	5.7	8.8	7.1	-657.5	-42.4	-309.2	5482.0	658.8	679.4
794	ok	0.05	0.3	3.72e-02	5.7	5.7	7.1	7.1	-214.0	25.2	-93.7	1719.5	252.3	173.1
795	ok	0.08	0.4	0.1	17.4	7.0	15.4	9.7	-782.7	-687.1	-331.2	6083.9	2092.5	3690.8
796	ok	0.05	0.4	4.35e-02	5.7	5.7	7.1	7.1	-126.1	-244.2	68.0	1900.6	-1651.4	-1692.7
797	ok	0.05	0.4	5.51e-02	5.7	5.7	7.1	7.1	-85.9	-67.8	-128.5	3300.3	426.9	451.9
798	ok	0.05	0.3	3.70e-02	5.7	5.7	7.1	7.1	53.9	-36.0	-111.9	2236.1	83.2	1435.0
799	ok	0.07	0.4	0.1	12.6	6.6	10.8	8.0	-642.3	52.2	-59.5	4594.4	924.9	220.1
800	ok	0.08	0.4	0.1	16.1	7.6	13.7	8.6	-737.3	-458.4	326.2	4661.0	1594.2	-2474.1
801	ok	0.05	0.3	4.84e-02	5.7	5.7	7.1	7.1	64.7	-178.9	-202.0	1907.3	727.1	1311.3
802	ok	0.05	0.3	3.90e-02	5.7	5.7	7.1	7.1	83.0	45.2	-230.5	2152.9	-470.9	1409.5
803	ok	0.05	0.2	7.20e-02	5.7	5.7	7.1	7.1	-165.7	147.1	167.3	987.5	342.1	510.4
804	ok	0.06	0.3	7.24e-02	8.7	5.7	10.1	7.1	-73.8	-322.5	268.0	-333.2	747.2	-1484.0
805	ok	0.05	0.3	4.97e-02	5.7	5.7	7.1	7.1	21.8	-136.9	-234.0	2073.1	467.0	1244.7
806	ok	0.05	0.3	4.05e-02	5.7	5.7	7.1	7.1	75.9	123.9	-244.7	2187.3	642.0	1375.0
807	ok	0.05	0.2	5.99e-02	5.7	5.7	7.1	7.1	14.7	-258.6	-243.8	1024.2	692.4	166.8
808	ok	0.05	9.41e-02	6.88e-02	5.7	5.7	7.1	7.1	-18.6	-439.4	-100.6	68.2	709.7	204.3
809	ok	0.05	0.3	4.60e-02	5.7	5.7	7.1	7.1	-24.5	-101.8	-240.8	2044.8	603.8	1357.8
810	ok	0.05	0.4	3.85e-02	5.7	5.7	7.1	7.1	42.9	213.7	-202.6	2518.4	1220.0	1196.4
811	ok	0.05	0.2	7.36e-02	5.7	5.7	7.1	7.1	-54.6	-364.1	-238.3	1360.4	1067.3	593.8
812	ok	0.05	0.3	0.1	5.7	6.1	7.1	7.6	-21.6	-449.3	-103.2	229.4	836.7	444.7
813	ok	0.05	0.4	5.35e-02	5.7	5.7	7.1	7.1	-107.8	-59.0	-200.2	2209.4	515.6	1525.5
814	ok	0.05	0.4	3.81e-02	5.7	5.7	7.1	7.1	-56.2	203.6	-168.2	1813.8	2026.9	2766.4
815	ok	0.05	0.4	8.48e-02	5.7	6.0	7.1	7.4	-215.4	-397.6	-245.8	2149.1	1192.0	1105.0
816	ok	0.08	0.3	0.2	14.9	7.8	18.4	13.4	-113.1	-1103.1	-264.9	-144.8	1906.9	2090.4
817	ok	0.05	0.3	5.39e-02	5.7	5.7	7.1	7.1	-218.3	76.4	187.9	1959.1	646.1	-404.4
818	ok	0.05	0.3	3.81e-02	5.7	5.7	7.1	7.1	-152.1	68.2	111.7	1455.1	896.7	-1320.7
819	ok	0.05	0.3	6.46e-02	5.7	5.7	7.1	7.1	-242.8	-75.2	257.2	971.3	1118.7	-459.0
820	ok	0.07	0.4	8.41e-02	11.7	5.9	13.1	7.3	-72.9	-455.1	256.9	-360.9	764.4	-1237.0
821	ok	0.05	0.3	4.66e-02	5.7	5.7	7.1	7.1	-118.1	-38.2	215.6	1275.8	527.0	-950.8
822	ok	0.05	0.3	4.12e-02	5.7	5.7	7.1	7.1	-172.6	-11.3	163.3	1667.5	656.0	-1131.4
823	ok	0.05	0.3	4.17e-02	5.7	5.7	7.1	7.1	-62.4	66.1	207.1	872.7	361.9	-305.3
824	ok	0.05	0.1	2.29e-02	5.7	5.7	7.1	7.1	-4.8	215.2	70.8	356.0	384.9	-486.7
825	ok	0.05	0.2	4.14e-02	5.7	5.7	7.1	7.1	-150.9	-19.1	-22.5	2826.8	412.6	231.5
826	ok	0.05	0.2	4.83e-02	5.7	5.7	7.1	7.1	-201.8	-112.3	-47.4	3288.0	344.8	-100.4
827	ok	0.05	0.2	3.53e-02	5.7	5.7	7.1	7.1	-65.0	-126.2	-136.8	1098.4	655.3	380.1
828	ok	0.05	0.1	3.66e-02	5.7	5.7	7.1	7.1	10.7	266.8	65.3	86.6	329.8	-402.0
829	ok	0.05	0.2	5.67e-02	5.7	5.7	7.1	7.1	-203.6	-7.7	-89.1	3158.5	702.6	436.6
830	ok	0.05	0.3	5.16e-02	5.7	5.7	7.1	7.1	-238.8	-131.5	-69.1	3499.5	314.5	384.9
831	ok	0.05	0.2	6.06e-02	5.7	5.7	7.1	7.1	-253.8	-149.5	-195.0	1699.4	778.3	746.3
832	ok	0.07	0.3	8.27e-02	14.0	7.6	15.4	10.3	152.0	778.7	240.1	-272.7	-849.4	-1993.2
833	ok	0.05	0.2	4.62e-02	5.7	5.7	7.1	7.1	-247.6	85.3	86.5	1687.6	563.6	-252.8
834	ok	0.05	0.2	6.42e-02	5.7	5.7	7.1	7.1	-249.9	-147.6	-222.2	1075.8	152.9	1205.4
835	ok	0.05	0.3	5.21e-02	5.7	5.7	7.1	7.1	-216.7	43.3	169.2	1750.0	635.8	-1051.9
836	ok	0.06	0.4	4.42e-02	10.5	5.7	11.9	7.1	-31.2	-129.1	193.4	-139.0	421.4	-2147.2
837	ok	0.05	0.2	4.95e-02	5.7	5.7	7.1	7.1	-173.2	-71.1	-115.3	1274.2	489.9	473.6
838	ok	0.05	0.3	5.99e-02	5.7	5.7	7.1	7.1	-276.2	-131.8	-180.2	2132.8	-411.9	899.1
839	ok	0.05	0.2	3.07e-02	5.7	5.7	7.1	7.1	-37.5	60.9	106.7	862.8	554.4	-359.0
840	ok	0.05	0.1	9.73e-03	5.7	5.7	7.1	7.1	16.8	247.8	-27.7	400.3	796.2	-44.2
841	ok	0.05	0.3	5.50e-02	5.7	5.7	7.1	7.1	-196.3	-81.5	-219.5	1808.7	447.2	707.9
842	ok	0.05	0.3	4.48e-02	5.7	5.7	7.1	7.1	-166.4	-24.9	-161.0	1999.7	340.6	1308.8
843	ok	0.05	0.2	5.10e-02	5.7	5.7	7.1	7.1	-96.3	-132.0	-225.5	1149.9	749.5	469.7
844	ok	0.05	0.1	3.66e-02	5.7	5.7	7.1	7.1	18.8	212.1	47.6	32.0	252.2	-359.7
845	ok	0.05	0.3	6.20e-02	5.7	5.7	7.1	7.1	-238.5	-2.7	-192.9	2185.9	734.4	317.8
846	ok	0.05	0.3	4.11e-02	5.7	5.7	7.1	7.1	-176.9	36.1	-109.5	1797.1	771.0	1280.0
847	ok	0.05	0.3	7.39e-02	5.7	5.7	7.1	7.1	-275.2	-186.4	-257.8	2185.0	941.0	795.3
848	ok	0.07	0.4	0.1	14.3	7.9	15.8	9.7	174.6	706.1	284.1	-465.1	-986.1	-1845.5
849	ok	0.05	0.2	2.82e-02	5.7	5.7	7.1	7.1	-11.2	-91.5	-112.6	317.1	-100.3	710.8
850	ok	0.05	0.3	1.93e-02	5.7	5.7	7.1	7.1	-16.9	69.4	79.4	1333.4	684.9	-474.9
851	ok	0.05	0.2	4.32e-02	5.7	5.7	7.1	7.1	-37.6	-216.9	-135.4	535.8	555.7	-432.8
852	ok	0.05	0.4	3.60e-02	5.7	5.7	7.1	7.1	-2.9	-140.3	123.9	-245.8	193.8	-1406.9
853	ok	0.05	0.2	2.96e-02	5.7	5.7	7.1	7.1	-3.6	-111.6	-128.6	192.3	204.5	796.0
854	ok	0.05	0.3	1.91e-02	5.7	5.7	7.1	7.1	8.0	79.3	113.0	762.2	67.7	-1160.3
855	ok	0.05	0.2	3.77e-02	5.7	5.7	7.1	7.1	8.2	-169.6	-57.9	133.9	166.5	-96.9
856	ok	0.05	9.22e-02	3.73e-02	5.7	5.7	7.1	7.1	5.37e-02	-176.2	-28.9	-316.6	-138.8	114.3
857	ok	0.05	0.3	2.97e-02	5.7	5.7	7.1	7.1	-54.9	-85.9	-127.2	343.8	54.6	727.1
858	ok	0.05	0.3	1.95e-02	5.7	5.7	7.1	7.1	49.7	31.2	133.6	1139.7	57.4	-729.4
859	ok	0.05	0.2	4.70e-02	5.7	5.7	7.1	7.1	-52.5	-231.1	-147.9	370.9	458.3	211.4
860	ok	0.05	0.1	5.86e-02	5.7	5.7	7.1	7.1	-19.4	-234.4	-59.8	89.9	192.3	288.6
861	ok	0.05	0.3	3.82e-02	5.7	5.7	7.1	7.1	-166.8	-16.3	-61.2	1888.8	663.2	290.5

862	ok	0.05	0.3	1.90e-02	5.7	5.7	7.1	7.1	-75.9	88.2	-34.2	114.2	491.6	357.6
863	ok	0.05	0.3	5.86e-02	5.7	5.7	7.1	7.1	-173.0	-33.2	-70.5	1742.9	200.7	347.5
864	ok	0.07	0.3	0.1	13.4	7.3	14.8	9.6	139.6	707.2	272.0	-238.4	-909.5	-2168.6
865	ok	0.05	0.2	5.05e-02	5.7	5.7	7.1	7.1	-178.4	-20.9	194.7	2793.4	697.2	-236.2
866	ok	0.05	0.2	3.89e-02	5.7	5.7	7.1	7.1	-155.9	-75.8	135.2	2892.5	370.0	-989.1
867	ok	0.05	0.2	5.36e-02	5.7	5.7	7.1	7.1	-177.5	-101.8	213.9	1341.9	662.7	-395.6
868	ok	0.06	0.3	5.66e-02	9.0	5.7	10.4	7.1	-7.6	-336.7	138.8	-435.6	532.6	-1316.2
869	ok	0.05	0.2	5.39e-02	5.7	5.7	7.1	7.1	-105.6	9.2	100.7	2213.2	622.8	85.7
870	ok	0.05	0.3	6.27e-02	5.7	5.7	7.1	7.1	-325.5	-144.9	149.7	3286.5	46.3	-661.3
871	ok	0.05	0.2	3.25e-02	5.7	5.7	7.1	7.1	-68.2	-50.4	156.9	862.1	451.4	-30.8
872	ok	0.05	9.77e-02	1.70e-02	5.7	5.7	7.1	7.1	12.8	249.3	-28.8	114.0	287.1	52.0
873	ok	0.05	0.2	3.68e-02	5.7	5.7	7.1	7.1	-89.4	-4.8	-93.1	814.3	-179.9	596.1
874	ok	0.05	0.2	6.83e-02	5.7	5.7	7.1	7.1	-241.7	-184.6	235.0	1078.4	448.4	-1336.3
875	ok	0.05	0.2	1.94e-02	5.7	5.7	7.1	7.1	-23.3	6.1	100.3	726.4	224.6	185.2
876	ok	0.05	0.1	4.84e-03	5.7	5.7	7.1	7.1	17.1	276.6	29.6	337.4	500.2	576.0
877	ok	0.05	0.2	5.06e-02	5.7	5.7	7.1	7.1	-223.5	-29.7	-180.3	1385.9	292.4	803.2
878	ok	0.05	0.3	6.15e-02	5.7	5.7	7.1	7.1	-89.6	-137.0	132.1	2276.5	162.5	-557.5
879	ok	0.05	0.2	4.24e-02	5.7	5.7	7.1	7.1	-163.7	-33.5	-171.4	441.2	1179.7	79.8
880	ok	0.06	0.4	3.16e-02	7.4	5.7	8.8	7.1	-3.9	-27.8	-129.6	-265.4	378.7	1639.5
3977	ok	0.05	0.2	4.38e-02	5.7	5.7	7.1	7.1	-204.5	-120.4	-55.8	3189.1	287.5	-33.6

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.10	0.73	0.19	22.31	9.03	21.12	14.63	-907.68	-1250.98	-380.03	-493.29	-3271.71	-3688.79
								174.60	778.73	351.97	1.278e+04	3112.53	4860.71

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
1	ok	3.08						
2	ok	1.21						
3	ok	1.42						
4	ok	1.71						
5	ok	1.85						
6	ok	1.02						
7	ok	3.22						
8	ok	2.53						
9	ok	2.76						
10	ok	2.96						
11	ok	1.56						
12	ok	2.69						
13	ok Av	5.02	0.15	0.13	4.3	3.8	175.2	154.8
14	ok Av	7.56	0.29	0.07	8.3	2.2	341.0	88.6
15	ok	2.87						
16	ok	3.09						
713	ok Av	4.99	0.15	0.14	4.3	4.0	174.9	164.9
714	ok Av	7.72	0.29	0.08	8.4	2.3	346.6	95.4
715	ok	3.09						
716	ok	3.00						
717	ok	2.89						
718	ok	3.26						
719	ok	1.88						
720	ok	2.55						
721	ok	1.55						
722	ok	1.79						
723	ok	2.17						
724	ok	3.63						
725	ok	0.90						
726	ok	2.43						
727	ok	1.01						
728	ok	2.02						
729	ok	1.15						
730	ok	3.37						
731	ok	0.65						
732	ok	1.30						
733	ok	0.77						
734	ok	3.60						
735	ok	0.48						
736	ok	1.30						
737	ok	0.62						
738	ok	3.67						
739	ok	0.67						
740	ok	1.35						
741	ok	0.55						
742	ok	3.87						
743	ok	1.83						
744	ok	2.14						

745	ok	0.69							
746	ok	3.97							
747	ok	0.95							
748	ok	1.57							
749	ok	0.52							
750	ok	4.00							
751	ok	1.74							
752	ok	1.97							
753	ok	3.11							
754	ok	0.44							
755	ok	0.39							
756	ok	2.95							
757	ok	1.75							
758	ok	0.91							
759	ok	2.01							
760	ok	1.41							
761	ok	0.45							
762	ok	2.99							
763	ok	1.70							
764	ok	1.78							
765	ok	1.78							
766	ok	0.44							
767	ok	0.36							
768	ok	1.32							
769	ok	2.27							
770	ok	1.16							
771	ok	2.70							
772	ok	1.82							
773	ok	0.48							
774	ok	1.49							
775	ok	2.29							
776	ok	2.43							
777	ok	2.21							
778	ok	0.55							
779	ok	0.64							
780	ok	1.60							
781	ok	2.21							
782	ok	1.09							
783	ok	2.70							
784	ok	1.89							
785	ok	0.55							
786	ok	2.33							
787	ok	2.15							
788	ok	2.71							
789	ok	2.96							
790	ok	0.48							
791	ok	0.73							
792	ok	3.30							
793	ok	2.16							
794	ok	0.97							
795	ok	2.31							
796	ok	1.89							
797	ok	0.55							
798	ok	3.68							
799	ok	1.99							
800	ok	2.61							
801	ok	0.84							
802	ok Av	4.77	0.01	0.19	0.3	5.4	13.3	222.1	
803	ok	0.91							
804	ok	1.68							
805	ok	0.84							
806	ok Av	4.74	9.96e-03	0.19	0.3	5.4	11.9	220.7	
807	ok	0.58							
808	ok	1.34							
809	ok	0.80							
810	ok Av	4.54	3.33e-03	0.18	9.65e-02	5.2	4.0	211.5	
811	ok	0.67							
812	ok	1.24							
813	ok	0.62							
814	ok	3.88							
815	ok	1.06							
816	ok	1.65							
817	ok	0.67							
818	ok	3.32							
819	ok	1.09							
820	ok	1.95							
821	ok	0.83							

822	ok	3.65						
823	ok	0.56						
824	ok	1.07						
825	ok	2.93						
826	ok	3.23						
827	ok	0.55						
828	ok	0.85						
829	ok	0.57						
830	ok	2.45						
831	ok	1.11						
832	ok	1.77						
833	ok	0.61						
834	ok	1.98						
835	ok	1.08						
836	ok	2.00						
837	ok	0.61						
838	ok	2.65						
839	ok	0.52						
840	ok	0.95						
841	ok	0.69						
842	ok	3.06						
843	ok	0.60						
844	ok	0.94						
845	ok	0.61						
846	ok	2.99						
847	ok	1.17						
848	ok	2.01						
849	ok	0.52						
850	ok	2.77						
851	ok	0.84						
852	ok	1.45						
853	ok	0.54						
854	ok	2.96						
855	ok	0.36						
856	ok	0.54						
857	ok	0.45						
858	ok	2.57						
859	ok	0.49						
860	ok	1.01						
861	ok	0.44						
862	ok	2.31						
863	ok	0.95						
864	ok	1.93						
865	ok	0.72						
866	ok Av	4.14	5.87e-03	0.16	0.2	4.7	7.0	192.9
867	ok	0.85						
868	ok	1.22						
869	ok	0.70						
870	ok	3.71						
871	ok	0.36						
872	ok	0.68						
873	ok	0.54						
874	ok	3.12						
875	ok	0.34						
876	ok	0.94						
877	ok	0.54						
878	ok	2.97						
879	ok	0.74						
880	ok	1.78						
3977	ok	3.07						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	7.72	0.29	0.19	8.45	5.41	346.64	222.11

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	50.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
13	ok	0.05	0.2	0.2	5.7	5.7	7.1	7.1	-1009.2	-208.7	-90.0	3339.4	-462.1	235.5

14	ok	0.05	0.3	0.2	5.7	5.7	7.1	7.1	-1417.1	-311.6	-273.9	7854.1	657.7	663.6
15	ok	0.05	0.3	9.64e-02	5.7	5.7	7.1	7.1	-594.4	-145.2	4.0	3635.6	-834.1	1442.1
16	ok	0.05	0.4	7.36e-02	5.7	5.7	7.1	7.1	-486.6	-35.9	-6.7	4745.7	727.2	195.8
17	ok	0.05	0.3	9.61e-02	5.7	5.7	7.1	7.1	-381.9	-274.5	-168.4	3786.9	830.2	-174.8
18	ok	0.05	0.5	5.40e-02	5.7	5.9	7.1	7.4	-144.0	-49.0	-86.0	6013.7	1386.7	983.1
19	ok	0.05	0.2	7.46e-02	5.7	5.7	7.1	7.1	-368.5	-124.2	-143.4	1615.5	-447.9	550.8
20	ok	0.05	0.2	5.86e-02	5.7	5.7	7.1	7.1	-325.9	-17.3	-48.9	3611.5	1094.8	330.4
21	ok	0.05	0.4	5.31e-02	5.7	5.7	7.1	7.1	-175.6	-197.0	-105.3	3045.2	740.4	-454.0
22	ok	0.05	0.5	2.92e-02	5.7	5.7	7.1	7.1	-138.2	15.7	-79.4	4528.5	833.4	1008.6
23	ok	0.05	0.3	5.71e-02	5.7	5.7	7.1	7.1	-224.5	-155.0	-154.7	2152.0	430.9	-218.5
24	ok	0.05	0.3	5.09e-02	5.7	5.7	7.1	7.1	-246.9	-40.7	-155.3	2111.3	214.6	424.6
25	ok	0.05	0.3	3.70e-02	5.7	5.7	7.1	7.1	-110.0	-153.2	-93.0	2568.5	729.6	612.8
26	ok	0.05	0.4	1.77e-02	5.7	5.7	7.1	7.1	-49.6	29.1	-21.6	1697.9	369.9	-1191.6
27	ok	0.05	0.3	4.56e-02	5.7	5.7	7.1	7.1	-156.2	-138.5	-134.3	2213.6	563.0	-181.9
28	ok	0.05	0.2	4.45e-02	5.7	5.7	7.1	7.1	-200.7	-78.9	-129.6	1901.7	-452.2	209.6
29	ok	0.05	0.3	3.24e-02	5.7	5.7	7.1	7.1	-122.7	-88.1	96.7	4088.5	933.8	-379.0
30	ok	0.05	0.4	2.94e-02	5.7	5.7	7.1	7.1	-43.7	38.0	-28.4	3388.1	549.5	1562.4
31	ok	0.05	0.3	3.90e-02	5.7	5.7	7.1	7.1	-154.7	-90.0	-73.4	1957.7	345.6	-304.0
32	ok	0.05	0.2	4.04e-02	5.7	5.7	7.1	7.1	-184.2	-76.2	-117.0	1842.4	-375.0	251.4
33	ok	0.05	0.3	3.67e-02	5.7	5.7	7.1	7.1	-209.4	-29.5	85.3	3976.6	810.1	-224.4
34	ok	0.05	0.4	4.28e-02	5.7	5.7	7.1	7.1	-173.5	-27.9	167.3	3562.5	976.7	-1350.5
35	ok	0.05	0.3	3.66e-02	5.7	5.7	7.1	7.1	-183.0	-65.4	-52.9	2113.5	262.0	-231.9
36	ok	0.05	0.2	3.87e-02	5.7	5.7	7.1	7.1	-185.7	-48.9	-93.9	1834.3	-875.9	152.6
37	ok	0.05	0.4	3.93e-02	5.7	5.7	7.1	7.1	-207.3	-46.1	59.8	4831.1	963.4	-466.8
38	ok	0.05	0.4	5.34e-02	5.7	5.7	7.1	7.1	-206.9	-76.3	-196.9	1741.8	494.6	1688.9
39	ok	0.05	0.3	3.72e-02	5.7	5.7	7.1	7.1	-205.8	-62.3	-61.5	2078.4	368.9	-200.7
40	ok	0.05	0.2	3.71e-02	5.7	5.7	7.1	7.1	-196.7	-36.7	-97.2	1692.0	-715.4	248.7
41	ok	0.05	0.4	4.36e-02	5.7	5.7	7.1	7.1	-237.4	-53.6	-110.6	2206.5	479.1	730.5
42	ok	0.05	0.4	5.23e-02	5.7	5.7	7.1	7.1	-322.9	-79.9	-79.8	2748.7	278.8	482.8
43	ok	0.05	0.3	3.80e-02	5.7	5.7	7.1	7.1	-208.3	-67.4	-71.1	2037.5	675.6	-204.7
44	ok	0.05	0.2	3.65e-02	5.7	5.7	7.1	7.1	-201.7	-22.5	-89.3	1871.4	283.4	248.7
45	ok	0.05	0.4	3.94e-02	5.7	5.7	7.1	7.1	-210.9	-13.9	-111.6	1913.0	321.6	530.1
46	ok	0.05	0.4	3.95e-02	5.7	5.7	7.1	7.1	-163.4	-24.6	-153.8	1401.8	518.3	1435.9
47	ok	0.05	0.3	3.74e-02	5.7	5.7	7.1	7.1	-176.0	23.6	-97.4	531.7	-2388.3	-397.3
48	ok	0.05	0.2	3.57e-02	5.7	5.7	7.1	7.1	-178.1	30.6	-114.6	667.8	-242.4	-70.7
49	ok	0.05	0.4	3.10e-02	5.7	5.7	7.1	7.1	-142.1	-24.7	47.4	4226.4	962.4	-368.2
50	ok	0.05	0.4	2.94e-02	5.7	5.7	7.1	7.1	-165.0	60.0	2.4	2045.8	514.5	-202.1
51	ok	0.05	0.3	3.30e-02	5.7	5.7	7.1	7.1	-160.2	24.4	-98.1	472.7	-2540.7	-215.8
52	ok	0.05	0.2	3.41e-02	5.7	5.7	7.1	7.1	-189.9	50.0	-80.9	1787.5	167.1	-5.9
53	ok	0.05	0.3	3.05e-02	5.7	5.7	7.1	7.1	-148.6	-70.2	72.0	4221.1	1368.0	-591.0
54	ok	0.05	0.4	2.78e-02	5.7	5.7	7.1	7.1	-175.7	72.3	31.1	1938.5	496.7	-457.8
55	ok	0.05	0.3	3.05e-02	5.7	5.7	7.1	7.1	-149.0	-78.8	67.6	3512.8	1590.9	160.4
56	ok	0.05	0.2	3.64e-02	5.7	5.7	7.1	7.1	-100.3	-163.5	106.8	1358.9	279.8	-182.2
57	ok	0.05	0.3	3.95e-02	5.7	5.7	7.1	7.1	-182.3	-27.6	49.2	4276.3	765.3	54.2
58	ok	0.05	0.3	3.65e-02	5.7	5.7	7.1	7.1	-94.3	52.6	182.3	1398.1	1547.8	-1751.4
59	ok	0.05	0.3	3.69e-02	5.7	5.7	7.1	7.1	-164.5	-129.0	97.8	2371.1	325.8	-85.4
60	ok	0.05	0.2	4.18e-02	5.7	5.7	7.1	7.1	-141.2	-191.8	109.7	1571.4	294.9	-194.1
61	ok	0.05	0.3	4.86e-02	5.7	5.7	7.1	7.1	-233.8	-84.6	134.4	2235.1	1381.3	-734.1
62	ok	0.05	0.4	5.54e-02	6.3	5.7	7.7	7.1	-125.2	103.4	-65.8	3428.8	-314.2	-2.5
63	ok	0.05	0.3	4.26e-02	5.7	5.7	7.1	7.1	-216.8	-147.1	94.3	2095.4	405.6	-138.8
64	ok	0.05	0.3	4.86e-02	5.7	5.7	7.1	7.1	-202.3	-230.8	107.1	1911.3	293.9	-471.6
65	ok	0.05	0.3	5.46e-02	5.7	5.7	7.1	7.1	-275.6	47.8	176.7	2196.9	561.7	-759.5
66	ok	0.05	0.3	6.55e-02	5.7	5.7	7.1	7.1	-253.8	-66.4	259.0	3369.8	2299.1	-1939.0
67	ok	0.05	0.3	5.19e-02	5.7	5.7	7.1	7.1	-256.3	-135.1	112.9	2135.4	416.1	-650.4
68	ok	0.05	0.3	5.86e-02	5.7	5.7	7.1	7.1	-270.5	-230.5	107.6	2394.0	381.4	-313.0
69	ok	0.05	0.3	6.17e-02	5.7	5.7	7.1	7.1	-322.5	44.7	177.4	2015.9	570.0	-1127.5
70	ok	0.05	0.3	5.76e-02	5.7	5.7	7.1	7.1	-347.8	46.4	111.8	2295.6	813.5	-1164.5
71	ok	0.05	0.3	6.74e-02	5.7	5.7	7.1	7.1	-388.9	-89.9	126.0	2934.3	690.2	-370.1
72	ok	0.05	0.3	7.90e-02	5.7	5.7	7.1	7.1	-410.5	-323.4	94.3	3299.5	328.0	-249.6
73	ok	0.05	0.3	6.53e-02	5.7	5.7	7.1	7.1	-290.1	9.7	136.3	1486.7	470.1	-778.2
74	ok	0.05	0.2	5.43e-02	5.7	5.7	7.1	7.1	-242.1	52.2	155.0	1614.1	837.3	-1325.1
75	ok	0.05	0.3	8.75e-02	5.7	5.7	7.1	7.1	-438.0	-81.9	160.9	3710.1	662.6	-1053.7
76	ok	0.06	0.4	0.1	6.9	5.9	9.4	7.3	-496.4	-653.8	295.7	3615.0	2468.2	-2287.8
77	ok	0.05	0.4	6.78e-02	5.8	5.7	7.2	7.1	-383.0	75.6	-175.4	2641.1	868.6	1419.6
78	ok	0.05	0.2	6.88e-02	5.7	5.7	7.1	7.1	-284.4	-92.1	-242.5	2012.9	586.4	1323.6
79	ok	0.05	0.3	7.03e-02	5.7	5.7	7.1	7.1	-380.6	-18.3	-196.2	3087.7	198.3	890.3
80	ok	0.05	0.3	6.49e-02	5.7	5.7	7.1	7.1	-324.0	77.2	-140.3	3109.5	1871.5	1312.0
81	ok	0.05	0.3	9.42e-02	5.7	5.7	7.1	7.1	-469.9	-87.4	-289.4	3937.8	684.5	1231.3
82	ok	0.05	0.2	6.75e-02	5.7	5.7	7.1	7.1	-370.2	-102.5	-122.0	3003.4	821.0	616.4
83	ok	0.06	0.3	0.1	7.4	5.7	9.9	7.1	-565.7	-706.3	-336.9	4728.1	3109.0	3269.6
84	ok	0.05	0.2	7.81e-02	5.7	5.7	7.1	7.1	-360.4	-287.1	-111.3	3175.1	418.4	71.9
85	ok	0.05	0.2	5.15e-02	5.7	5.7	7.1	7.1	-274.9	-39.2	-142.4	2872.2	184.9	649.3
86	ok	0.05	0.4	4.33e-02	5.7	5.7	7.1	7.1	-230.0	-84.0	-108.2	3079.2	5104.3	1460.5
87	ok	0.05	0.2	4.85e-02	5.7	5.7	7.1	7.1	-258.7	-137.0	-108.3	2519.2	552.0	96.1
88	ok	0.05	0.2	5.60e-02	5.7	5.7	7.1	7.1	-218.2	-183.0	-128.4	2196.0	311.8	16.6
89	ok	0.05	0.2	3.38e-02	5.7	5.7	7.1	7.1	-136.4	-17.2	-133.7	2660.8	150.1	660.0
90	ok	0.05	0.5	3.81e-02	5.7	5.7	7.1	7.1	-174.8	-56.4	-93.3	3579.7	5550.9	1204.4

91	ok	0.05	0.2	4.18e-02	5.7	5.7	7.1	7.1	-159.4	-86.2	-100.0	1936.6	371.6	-651.4
92	ok	0.05	0.2	4.61e-02	5.7	5.7	7.1	7.1	-152.3	-142.5	-124.3	1672.3	-43.5	-82.6
93	ok	0.05	0.2	2.43e-02	5.7	5.7	7.1	7.1	-51.7	-71.4	-99.4	1732.5	561.0	905.7
94	ok	0.05	0.3	3.44e-02	5.7	5.7	7.1	7.1	-160.1	85.2	-139.5	1703.9	1153.7	3169.0
95	ok	0.05	0.1	3.40e-02	5.7	5.7	7.1	7.1	-93.1	-94.1	-72.0	1296.0	384.8	-418.2
96	ok	0.05	0.1	3.89e-02	5.7	5.7	7.1	7.1	-130.8	-167.2	-109.2	1222.6	-324.3	-124.2
97	ok	0.05	0.2	2.31e-02	5.7	5.7	7.1	7.1	-152.1	-75.5	-4.1	2152.9	224.8	1050.7
98	ok	0.05	0.4	1.84e-02	5.7	5.7	7.1	7.1	73.4	230.6	43.5	1976.0	929.4	-2429.5
99	ok	0.05	0.4	4.10e-02	5.7	5.7	7.1	7.1	-140.2	-171.8	70.6	703.3	-829.3	-5.7
100	ok	0.05	0.4	4.70e-02	5.7	5.7	7.1	7.1	-158.8	-182.5	-51.7	927.5	-524.9	-340.8
101	ok	0.05	0.3	4.73e-02	5.7	5.7	7.1	7.1	-153.1	-10.2	166.3	1161.6	343.4	-1259.1
102	ok	0.05	0.2	4.44e-02	5.7	5.7	7.1	7.1	-142.5	35.5	161.0	1309.5	645.6	-1102.7
103	ok	0.05	0.3	5.74e-02	5.7	5.7	7.1	7.1	-134.0	-102.8	198.2	1329.4	352.2	-703.1
104	ok	0.07	0.3	6.14e-02	9.8	7.5	14.8	9.8	20.0	-392.1	126.3	-517.8	1267.5	-251.8
105	ok	0.05	0.2	4.11e-02	5.7	5.7	7.1	7.1	-29.6	-82.6	-217.0	1302.8	137.5	1060.0
106	ok	0.05	0.2	4.90e-02	5.7	5.7	7.1	7.1	-93.6	-127.9	-207.0	1294.9	-440.9	1201.2
107	ok	0.05	0.1	4.18e-02	5.7	5.7	7.1	7.1	1.7	49.8	73.5	295.7	263.8	-228.1
108	ok	0.05	0.2	2.32e-02	5.7	5.7	7.1	7.1	6.4	177.5	74.0	164.2	401.6	-328.7
109	ok	0.05	0.2	4.81e-02	5.7	5.7	7.1	7.1	-60.4	-88.3	-246.4	1286.0	322.5	1522.9
110	ok	0.05	0.3	4.49e-02	5.7	5.7	7.1	7.1	-74.7	-169.5	171.4	1177.3	-565.3	-831.6
111	ok	0.05	0.2	4.31e-02	5.7	5.7	7.1	7.1	21.0	126.9	214.0	-131.0	-738.3	18.0
112	ok	0.05	9.56e-02	1.99e-02	5.7	5.7	7.1	7.1	-8.8	172.4	69.5	12.3	433.6	48.4
113	ok	0.05	0.2	5.84e-02	5.7	5.7	7.1	7.1	-150.6	-38.0	-289.1	1701.2	293.7	1269.3
114	ok	0.05	0.2	5.84e-02	5.7	5.7	7.1	7.1	-73.9	46.5	-322.2	1341.3	1996.1	2183.3
115	ok	0.05	0.1	6.15e-02	5.7	5.7	7.1	7.1	-153.9	-131.9	-266.8	1582.2	843.0	674.0
116	ok	0.07	0.3	6.49e-02	10.7	7.0	16.1	9.3	161.0	702.2	257.2	-859.1	-1545.6	-1615.1
317	ok	0.05	0.2	3.86e-02	5.7	5.7	7.1	7.1	-193.8	76.5	66.2	2408.6	526.7	-121.6
318	ok	0.05	0.3	3.33e-02	5.7	5.7	7.1	7.1	-173.3	60.4	47.4	4347.6	1074.7	-1128.0
319	ok	0.05	0.3	4.55e-02	5.7	5.7	7.1	7.1	-170.7	-166.3	73.7	1239.7	651.1	334.2
320	ok	0.05	0.4	5.35e-02	5.7	5.7	7.1	7.1	-170.7	-294.9	108.7	1237.9	-479.3	98.4
321	ok	0.05	0.3	4.55e-02	5.7	5.7	7.1	7.1	-236.4	122.6	71.7	3524.4	389.2	-662.5
322	ok	0.05	0.3	5.40e-02	5.7	5.7	7.1	7.1	-327.8	27.9	100.4	4075.3	1023.1	-1372.6
323	ok	0.05	0.2	5.02e-02	5.7	5.7	7.1	7.1	-216.8	-205.1	51.5	2413.8	267.8	651.0
324	ok	0.05	0.2	6.37e-02	5.7	5.7	7.1	7.1	-195.9	-287.5	113.2	1996.8	-40.5	91.0
325	ok	0.05	0.3	5.34e-02	5.7	5.7	7.1	7.1	-301.6	119.5	100.2	3820.2	286.9	-904.1
326	ok	0.05	0.3	4.49e-02	5.7	5.7	7.1	7.1	-187.2	123.0	96.2	2805.1	1702.1	-1358.5
327	ok	0.05	0.4	5.69e-02	5.7	5.7	7.1	7.1	-254.4	-295.2	103.4	2372.1	1776.1	-429.0
328	ok	0.05	0.2	8.24e-02	5.7	5.7	7.1	7.1	-265.5	-384.3	119.2	2478.5	163.1	-80.9
329	ok	0.05	0.2	5.57e-02	5.7	5.7	7.1	7.1	-267.1	18.3	199.7	2617.5	1392.0	-1392.3
330	ok	0.05	0.4	5.57e-02	6.7	5.7	8.1	7.1	-305.2	149.2	134.3	4501.5	1379.2	-1991.7
331	ok	0.05	0.2	7.47e-02	5.7	5.7	7.1	7.1	-414.8	-232.7	131.9	3513.9	936.7	-835.1
332	ok	0.05	0.3	0.1	5.7	6.1	7.1	7.5	-492.4	-741.7	129.5	3620.6	-578.3	-192.3
333	ok	0.05	0.2	7.99e-02	5.7	5.7	7.1	7.1	-288.6	137.1	227.1	2343.7	-893.0	-843.6
334	ok	0.05	0.4	6.45e-02	5.7	5.7	7.1	7.1	-129.5	46.2	293.4	1415.0	4121.0	-3204.5
335	ok	0.05	0.2	0.1	5.7	5.7	7.1	7.1	-507.8	-218.8	373.8	4335.4	805.9	-1596.4
336	ok	0.05	0.3	0.2	5.7	5.7	7.4	7.1	-617.3	-934.1	376.1	5174.0	3512.4	-3480.9
337	ok	0.05	0.3	4.04e-02	5.7	5.7	7.1	7.1	63.2	150.6	-183.2	-296.4	2895.2	2293.4
338	ok	0.05	0.5	6.00e-02	5.7	5.7	7.1	7.1	-198.7	-42.2	-159.7	6387.4	-609.9	1185.7
339	ok	0.05	0.2	3.30e-02	5.7	5.7	7.1	7.1	-48.5	-123.6	-128.4	1354.1	874.8	993.0
340	ok	0.05	0.3	3.08e-02	5.7	5.7	7.1	7.1	-48.2	234.5	-80.3	1786.5	1165.9	1603.3
341	ok	0.05	0.3	7.78e-02	5.7	5.7	7.1	7.1	-358.0	-92.5	-260.1	3851.9	733.3	1177.6
342	ok	0.05	0.2	4.22e-02	5.7	5.7	7.1	7.1	-274.5	181.1	6.8	2315.2	246.7	491.5
343	ok	0.06	0.3	0.1	6.9	6.3	10.9	7.9	-446.5	-561.4	-215.1	4486.2	2158.8	2113.4
344	ok	0.05	0.5	7.09e-02	5.7	5.7	7.1	7.1	-340.8	-462.6	-43.2	7281.3	-673.5	-398.6
345	ok	0.05	0.3	3.29e-02	5.7	5.7	7.1	7.1	-202.4	86.8	27.5	1862.4	597.4	183.6
346	ok	0.05	0.3	2.72e-02	5.7	5.7	7.1	7.1	-150.5	-113.6	-14.5	1548.4	290.6	-407.4
347	ok	0.05	0.3	3.61e-02	5.7	5.7	7.1	7.1	-209.9	117.2	38.4	1409.1	775.8	753.1
348	ok	0.05	0.2	4.34e-02	5.7	5.7	7.1	7.1	-215.0	263.6	81.7	1586.0	679.0	709.8
349	ok	0.05	0.4	4.27e-02	5.7	5.7	7.1	7.1	-270.4	86.8	29.1	2200.5	453.9	742.4
350	ok	0.05	0.5	4.77e-02	5.7	5.7	7.1	7.1	-262.4	-131.4	-38.0	2674.2	776.2	780.5
351	ok	0.05	0.3	4.34e-02	5.7	5.7	7.1	7.1	-236.8	106.7	38.7	1638.6	381.4	894.7
352	ok	0.05	0.3	4.09e-02	5.7	5.7	7.1	7.1	-253.1	128.4	-49.6	1834.7	804.4	2724.0
353	ok	0.05	0.6	5.53e-02	5.7	5.7	7.1	7.1	-316.4	63.0	-13.0	3529.1	-480.7	-233.3
354	ok	0.06	0.5	6.13e-02	9.7	5.7	11.1	7.1	-405.3	-159.7	9.6	5429.6	1036.5	99.0
355	ok	0.05	0.2	5.15e-02	5.7	5.7	7.1	7.1	-329.4	36.8	-28.6	1814.6	211.7	427.7
356	ok	0.05	0.6	4.81e-02	5.7	5.7	7.1	7.1	-303.8	122.2	-51.1	2063.7	595.6	4675.2
357	ok	0.07	0.7	0.1	14.5	7.0	7.9	7.1	-772.3	-250.5	27.1	7773.2	659.5	864.4
358	ok	0.08	0.7	0.1	16.1	7.1	12.5	7.1	-751.7	-184.6	195.5	8080.1	6038.4	-2855.3
359	ok	0.05	0.2	8.03e-02	5.7	5.7	7.1	7.1	-435.0	36.3	44.9	1139.8	-1216.4	341.0
360	ok	0.05	0.4	5.95e-02	5.7	5.7	7.1	7.1	-387.2	80.1	56.3	1541.0	-7.2	-4.8
881	ok	0.05	0.2	6.53e-02	5.7	5.7	7.1	7.1	-172.2	94.3	372.4	1307.7	175.7	-1007.4
882	ok	0.05	0.4	6.24e-02	5.7	5.7	7.1	7.1	-128.9	17.3	296.7	1382.0	500.6	-2772.3
883	ok	0.05	0.2	7.48e-02	5.7	5.7	7.1	7.1	-128.7	-176.5	328.7	1322.3	794.7	-553.2
884	ok	0.08	0.3	6.48e-02	10.8	7.5	18.4	11.7	76.2	-384.3	130.5	-1045.8	1374.8	-463.5
885	ok	0.05	0.3	5.21e-02	5.7	5.7	7.1	7.1	-142.9	105.4	303.5	929.9	103.3	-795.9
886	ok	0.05	0.3	6.75e-02	5.7	5.7	7.1	7.1	-195.0	-104.7	296.6	1357.4	-502.7	-2300.3
887	ok	0.05	0.3	4.88e-02	5.7	5.7	7.1	7.1	-64.7	-67.4	259.6	573.4	509.3	87.6

888	ok	0.05	0.2	7.77e-03	5.8	5.7	7.3	7.1	8.0	381.0	70.3	197.4	199.7	-194.6
889	ok	0.05	0.1	4.58e-02	5.7	5.7	7.1	7.1	-131.7	-61.2	-182.4	711.2	114.2	1015.4
890	ok	0.05	0.2	6.54e-02	5.7	5.7	7.1	7.1	-186.4	-363.9	136.3	1515.9	-940.2	-681.3
891	ok	0.05	0.1	2.56e-02	5.7	5.7	7.1	7.1	-24.6	224.9	128.5	-401.2	182.1	374.7
892	ok	0.05	0.2	5.16e-03	5.8	5.8	7.5	7.2	1.8	509.7	-9.0	81.5	271.5	224.6
893	ok	0.05	0.3	5.89e-02	5.7	5.7	7.1	7.1	-147.5	-65.9	-282.8	1266.0	108.2	1666.2
894	ok	0.05	0.3	4.74e-02	5.7	5.7	7.1	7.1	-111.9	107.9	-176.2	2311.7	585.6	1771.1
895	ok	0.05	0.3	4.47e-02	5.7	5.7	7.1	7.1	-92.5	-20.8	-233.6	1026.6	159.5	387.0
896	ok	0.07	0.3	3.67e-02	8.4	6.5	15.1	10.7	108.8	807.2	193.7	-459.0	-1112.7	-1050.9

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.08	0.73	0.22	16.07	7.48	18.39	11.67	-1417.08	-934.09	-336.87	-1045.76	-2540.67	-3480.90
								161.04	807.23	376.14	8080.11	6038.38	4675.17

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
13	ok	3.97						
14	ok Av	6.82	0.25	0.08	7.4	2.4	302.4	98.0
15	ok	3.37						
16	ok	3.87						
17	ok	2.14						
18	ok	3.81						
19	ok	1.42						
20	ok	2.37						
21	ok	0.80						
22	ok	2.97						
23	ok	0.63						
24	ok	1.97						
25	ok	0.62						
26	ok	3.05						
27	ok	0.30						
28	ok	1.75						
29	ok	0.65						
30	ok	2.96						
31	ok	0.30						
32	ok	1.53						
33	ok	0.56						
34	ok	3.10						
35	ok	0.38						
36	ok	1.35						
37	ok	0.84						
38	ok	2.51						
39	ok	0.40						
40	ok	1.20						
41	ok	0.68						
42	ok	2.54						
43	ok	0.41						
44	ok	1.12						
45	ok	0.62						
46	ok	2.12						
47	ok	0.35						
48	ok	1.06						
49	ok	0.57						
50	ok	2.16						
51	ok	0.32						
52	ok	0.99						
53	ok	0.58						
54	ok	2.25						
55	ok	0.32						
56	ok	0.92						
57	ok	0.49						
58	ok	2.31						
59	ok	0.32						
60	ok	1.00						
61	ok	0.61						
62	ok	2.79						
63	ok	0.32						
64	ok	1.10						
65	ok	0.47						
66	ok	3.17						
67	ok	0.42						
68	ok	1.28						
69	ok	0.81						
70	ok	3.74						
71	ok	0.54						

72	ok	1.48						
73	ok	0.77						
74	ok Av	4.49	8.74e-03	0.18	0.3	5.1	10.4	208.8
75	ok	1.36						
76	ok	2.35						
77	ok Av	4.75	0.01	0.19	0.3	5.4	13.6	221.3
78	ok	1.00						
79	ok	0.72						
80	ok	4.01						
81	ok	1.56						
82	ok	0.45						
83	ok	1.51						
84	ok	1.25						
85	ok	0.43						
86	ok	3.05						
87	ok	0.44						
88	ok	1.29						
89	ok	0.70						
90	ok	2.45						
91	ok	0.44						
92	ok	1.13						
93	ok	0.57						
94	ok	1.73						
95	ok	0.53						
96	ok	0.95						
97	ok	1.93						
98	ok	2.38						
99	ok	1.41						
100	ok	1.44						
101	ok	0.81						
102	ok Av	5.05	0.01	0.20	0.3	5.7	13.5	235.1
103	ok	0.92						
104	ok	2.19						
105	ok	0.86						
106	ok Av	5.21	0.01	0.20	0.3	5.9	12.9	242.2
107	ok	0.39						
108	ok	1.17						
109	ok	0.86						
110	ok Av	5.29	9.11e-03	0.21	0.3	6.0	10.9	246.4
111	ok	0.41						
112	ok	0.88						
113	ok	0.93						
114	ok Av	5.45	9.68e-03	0.21	0.3	6.2	11.5	253.9
115	ok	0.90						
116	ok	1.07						
317	ok	1.14						
318	ok	1.61						
319	ok	0.78						
320	ok	1.01						
321	ok	0.72						
322	ok	1.85						
323	ok	0.57						
324	ok	1.18						
325	ok	0.56						
326	ok	2.69						
327	ok	0.56						
328	ok	1.47						
329	ok	1.14						
330	ok Av	4.55	0.02	0.18	0.4	5.1	18.1	211.2
331	ok	0.70						
332	ok	1.65						
333	ok	1.31						
334	ok Av	6.35	0.02	0.25	0.5	7.2	20.7	295.5
335	ok	1.70						
336	ok	1.80						
337	ok Av	4.50	9.83e-03	0.18	0.3	5.1	11.7	209.8
338	ok	0.89						
339	ok	0.99						
340	ok	3.20						
341	ok	1.19						
342	ok	0.59						
343	ok	1.64						
344	ok	1.45						
345	ok	0.78						
346	ok	1.76						
347	ok	0.59						
348	ok	1.51						

349	ok	1.20						
350	ok	0.0						
351	ok	0.68						
352	ok	1.49						
353	ok	2.37						
354	ok	0.0						
355	ok	1.65						
356	ok	1.54						
357	ok Av	5.72	0.22	0.07	6.2	2.1	256.1	84.3
358	ok	0.0						
359	ok	2.00						
360	ok	1.50						
881	ok	1.30						
882	ok Av	7.31	9.83e-03	0.29	0.3	8.3	11.7	340.6
883	ok	0.83						
884	ok	0.90						
885	ok	0.95						
886	ok Av	6.51	0.02	0.25	0.5	7.4	19.7	303.2
887	ok	0.29						
888	ok	0.30						
889	ok	0.57						
890	ok Av	4.89	0.02	0.19	0.5	5.5	21.7	227.1
891	ok	0.22						
892	ok	0.42						
893	ok	0.90						
894	ok Av	5.34	3.82e-03	0.21	0.1	6.1	4.5	248.8
895	ok	0.55						
896	ok	0.93						

Nodo	Max tau 7.31	Ver V pr 0.25	Ver V sec 0.29	Af V pr 7.37	Af V sec 8.30	V pr 302.42	V sec 340.57
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	50.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
97	ok	0.05	0.1	6.55e-02	5.7	5.7	7.1	7.1	-425.1	-119.3	51.2	-900.0	173.3	-269.5
98	ok	0.05	0.1	0.1	5.7	5.7	7.1	7.1	-643.5	-199.9	144.6	-514.8	-355.1	148.0
99	ok	0.05	0.2	4.27e-02	5.7	5.7	7.1	7.1	-264.9	-39.3	52.3	-305.9	219.7	-661.5
100	ok	0.05	0.2	3.03e-02	5.7	5.7	7.1	7.1	-197.1	7.6	25.9	1204.8	328.3	-455.7
117	ok	0.05	0.1	5.19e-02	5.7	5.7	7.1	7.1	-220.6	-142.2	102.3	-294.8	-90.6	166.8
118	ok	0.05	0.1	3.19e-02	5.7	5.7	7.1	7.1	-190.7	-84.0	51.7	-161.6	-83.0	-79.4
119	ok	0.05	0.2	3.80e-02	5.7	5.7	7.1	7.1	-207.8	-46.6	85.3	-32.3	274.2	-276.9
120	ok	0.05	0.2	3.08e-02	5.7	5.7	7.1	7.1	-162.6	-9.3	48.6	1223.2	119.9	-433.7
121	ok	0.05	0.2	3.25e-02	5.7	5.7	7.1	7.1	-142.4	-122.7	78.6	568.9	-8.8	-395.8
122	ok	0.05	0.1	2.37e-02	5.7	5.7	7.1	7.1	-127.8	-71.7	50.5	-466.6	-487.6	-84.9
123	ok	0.05	0.2	3.30e-02	5.7	5.7	7.1	7.1	-145.7	-40.9	99.7	444.6	-38.2	-136.4
124	ok	0.05	0.2	3.01e-02	5.7	5.7	7.1	7.1	-154.4	-7.0	85.5	864.5	-506.9	-334.4
125	ok	0.05	0.2	3.05e-02	5.7	5.7	7.1	7.1	-121.7	-91.6	77.9	133.1	-383.4	356.2
126	ok	0.05	0.2	3.07e-02	5.7	5.7	7.1	7.1	-126.6	-54.7	107.9	-346.7	-1048.3	-81.7
127	ok	0.05	0.2	2.94e-02	5.7	5.7	7.1	7.1	-133.0	-35.2	100.3	430.7	-139.0	366.8
128	ok	0.05	0.2	2.81e-02	5.7	5.7	7.1	7.1	-133.9	-24.9	83.2	814.3	-558.2	-100.5
129	ok	0.05	0.2	2.88e-02	5.7	5.7	7.1	7.1	51.8	38.3	-99.9	-256.9	176.1	841.3
130	ok	0.05	0.2	3.30e-02	5.7	5.7	7.1	7.1	79.9	96.8	-130.4	145.5	1231.5	621.6
131	ok	0.05	0.2	2.61e-02	5.7	5.7	7.1	7.1	-114.2	-23.7	93.9	536.6	-226.0	488.9
132	ok	0.05	0.1	2.59e-02	5.7	5.7	7.1	7.1	-118.0	-45.5	83.1	750.2	-367.9	225.7
133	ok	0.05	0.2	2.56e-02	5.7	5.7	7.1	7.1	49.6	41.9	-106.7	-324.7	40.5	896.6
134	ok	0.05	0.3	1.96e-02	5.7	5.7	7.1	7.1	61.7	123.1	-114.2	-622.2	473.4	1181.4
135	ok	0.05	0.2	2.20e-02	5.7	5.7	7.1	7.1	-87.7	-25.3	72.3	1020.1	-18.6	61.4
136	ok	0.05	0.1	2.39e-02	5.7	5.7	7.1	7.1	-101.3	-50.0	70.7	681.8	-359.6	209.5
137	ok	0.05	0.2	2.09e-02	5.7	5.7	7.1	7.1	-63.1	-80.2	57.7	1172.6	-30.9	128.1
138	ok	0.05	0.3	1.85e-02	5.7	5.7	7.1	7.1	70.9	125.8	-115.6	-494.8	547.2	1532.8
139	ok	0.05	0.2	2.38e-02	5.7	5.7	7.1	7.1	-69.7	-83.2	59.2	469.9	1946.9	367.4
140	ok	0.05	0.2	2.40e-02	5.7	5.7	7.1	7.1	-0.4	-76.1	-113.7	224.3	-200.6	111.9
141	ok	0.05	0.2	2.06e-02	5.7	5.7	7.1	7.1	14.2	44.0	-143.2	4.8	77.5	1071.1
142	ok	0.05	0.3	1.61e-02	5.7	5.7	7.1	7.1	54.9	135.3	-130.2	-296.4	337.8	1585.7
143	ok	0.05	0.2	2.75e-02	5.7	5.7	7.1	7.1	5.3	-80.7	-139.9	545.6	256.1	-193.5
144	ok	0.05	0.2	2.64e-02	5.7	5.7	7.1	7.1	-10.0	-82.2	-125.5	329.6	-192.0	200.0
145	ok	0.05	0.3	3.04e-02	5.7	5.7	7.1	7.1	-8.2	-4.3	-167.6	-5.8	885.9	1280.8

146	ok	0.05	0.4	2.07e-02	5.7	5.7	7.1	7.1	34.3	179.4	-92.8	-712.2	-1365.9	666.6
147	ok	0.05	0.2	3.04e-02	5.7	5.7	7.1	7.1	-23.6	-58.6	-149.5	670.3	355.5	-172.7
148	ok	0.05	0.2	2.80e-02	5.7	5.7	7.1	7.1	-29.6	-62.1	-127.8	528.4	-86.8	275.9
149	ok	0.05	0.3	3.01e-02	5.7	5.7	7.1	7.1	-90.0	-41.8	-124.4	1323.7	301.4	414.2
150	ok	0.05	0.3	3.08e-02	5.7	5.7	7.1	7.1	-28.9	9.6	-162.3	-418.0	1603.2	2117.5
151	ok	0.05	0.2	3.16e-02	5.7	5.7	7.1	7.1	-94.6	-47.1	-111.7	1066.4	221.1	401.4
152	ok	0.05	0.2	2.84e-02	5.7	5.7	7.1	7.1	-90.0	-48.3	-83.1	911.6	144.2	575.4
153	ok	0.05	0.3	4.29e-02	5.7	5.7	7.1	7.1	-209.7	-42.6	-133.1	1686.6	364.9	503.5
154	ok	0.05	0.3	3.24e-02	5.7	5.7	7.1	7.1	-156.9	-62.5	-94.4	1715.4	214.5	1744.5
155	ok	0.05	0.2	3.21e-02	5.7	5.7	7.1	7.1	-134.1	-40.8	-117.1	1238.1	338.3	467.0
156	ok	0.05	0.2	2.64e-02	5.7	5.7	7.1	7.1	-110.9	-23.6	-82.3	1139.9	306.8	582.3
157	ok	0.05	0.3	5.52e-02	5.7	5.7	7.1	7.1	-217.0	-138.9	-185.8	1541.7	1372.8	1047.8
158	ok	0.05	0.3	6.50e-02	5.7	5.7	7.1	7.1	-399.6	-115.1	-98.7	2651.4	-93.6	1410.1
159	ok	0.05	0.3	3.31e-02	5.7	5.7	7.1	7.1	-171.1	-26.2	-95.9	1424.8	503.3	484.8
160	ok	0.05	0.2	2.51e-02	5.7	5.7	7.1	7.1	-128.0	2.6	-68.6	1332.8	406.6	400.0
161	ok	0.05	0.3	4.75e-02	5.7	5.7	7.1	7.1	-253.8	10.5	-141.3	1488.5	572.6	514.2
162	ok	0.05	0.3	7.71e-02	5.7	5.7	7.1	7.1	-212.7	-224.7	-295.7	1197.4	2060.2	2304.4
163	ok	0.05	0.3	3.22e-02	5.7	5.7	7.1	7.1	-186.8	-4.6	-45.7	1504.5	374.0	257.4
164	ok	0.05	0.2	2.41e-02	5.7	5.7	7.1	7.1	-80.6	44.2	-107.6	1181.3	-785.3	141.1
165	ok	0.05	0.3	4.41e-02	5.7	5.7	7.1	7.1	-239.7	4.9	76.8	1285.1	493.0	68.9
166	ok	0.05	0.3	6.80e-02	5.7	5.7	7.1	7.1	-445.3	-190.8	-35.1	2571.1	-295.2	422.7
167	ok	0.05	0.3	3.06e-02	5.7	5.7	7.1	7.1	-168.0	-38.7	61.2	893.7	1718.1	560.7
168	ok	0.05	0.2	2.31e-02	5.7	5.7	7.1	7.1	-129.3	27.0	65.6	1039.8	343.7	316.9
169	ok	0.05	0.3	4.86e-02	5.7	5.7	7.1	7.1	-210.1	-112.7	154.6	940.6	178.2	-585.4
170	ok	0.05	0.4	6.14e-02	5.7	5.7	7.1	7.1	-342.0	-179.5	110.0	1581.2	-167.3	-390.8
171	ok	0.05	0.3	3.29e-02	5.7	5.7	7.1	7.1	-155.5	-33.5	92.8	850.0	1575.6	498.0
172	ok	0.05	0.2	2.46e-02	5.7	5.7	7.1	7.1	-123.6	17.2	84.6	981.7	315.8	244.9
173	ok	0.05	0.3	4.33e-02	5.7	5.7	7.1	7.1	-200.2	-84.0	134.0	962.3	176.3	-313.5
174	ok	0.05	0.4	3.74e-02	5.7	5.7	7.1	7.1	-131.9	-139.9	106.2	1080.9	78.2	-683.7
175	ok	0.05	0.3	3.32e-02	5.7	5.7	7.1	7.1	-134.8	-57.6	118.5	806.3	1590.4	323.4
176	ok	0.05	0.2	2.51e-02	5.7	5.7	7.1	7.1	-108.5	0.9	98.6	866.0	265.5	182.5
177	ok	0.05	0.4	3.35e-02	5.7	5.7	7.1	7.1	-95.0	-75.5	137.7	667.9	162.1	-542.2
178	ok	0.05	0.4	3.61e-02	5.7	5.7	7.1	7.1	-88.0	-95.8	148.7	267.9	440.9	-1392.6
179	ok	0.05	0.3	3.09e-02	5.7	5.7	7.1	7.1	-99.3	-58.3	125.1	738.6	1434.5	292.8
180	ok	0.05	0.2	2.47e-02	5.7	5.7	7.1	7.1	-89.4	-15.1	105.6	719.9	200.0	130.4
181	ok	0.05	0.4	3.10e-02	5.7	5.7	7.1	7.1	-53.3	-90.9	133.5	738.7	290.0	-741.6
182	ok	0.05	0.4	2.25e-02	5.7	5.7	7.1	7.1	-57.4	-43.7	99.5	1059.7	229.1	-731.7
183	ok	0.05	0.3	2.84e-02	5.7	5.7	7.1	7.1	-66.2	-67.6	115.3	667.4	194.0	355.4
184	ok	0.05	0.2	2.55e-02	5.7	5.7	7.1	7.1	-70.1	-60.7	104.6	575.1	976.6	100.1
185	ok	0.05	0.4	2.39e-02	5.7	5.7	7.1	7.1	-38.2	-71.6	103.3	581.9	26.0	-703.9
186	ok	0.05	0.4	1.84e-02	5.7	5.7	7.1	7.1	16.2	64.3	-99.0	1259.2	273.3	-227.1
187	ok	0.05	0.3	2.53e-02	5.7	5.7	7.1	7.1	-43.5	-73.3	101.7	565.8	201.7	288.6
188	ok	0.05	0.2	2.42e-02	5.7	5.7	7.1	7.1	-54.3	-68.5	99.2	458.0	879.9	-19.6
189	ok	0.05	0.4	1.96e-02	5.7	5.7	7.1	7.1	-19.1	-14.0	-105.8	1843.2	264.1	959.2
190	ok	0.05	0.4	1.56e-02	5.7	5.7	7.1	7.1	1.4	42.2	-111.5	1246.9	716.4	1742.8
191	ok	0.05	0.3	2.19e-02	5.7	5.7	7.1	7.1	-30.0	-27.6	-112.2	1445.2	237.6	151.0
192	ok	0.05	0.2	2.34e-02	5.7	5.7	7.1	7.1	-46.3	-75.9	88.0	493.3	146.1	64.9
193	ok	0.05	0.4	2.35e-02	5.7	5.7	7.1	7.1	-44.6	-9.6	-126.7	2015.0	380.7	787.7
194	ok	0.05	0.4	1.73e-02	5.7	5.7	7.1	7.1	-12.4	41.6	-109.9	1926.4	519.5	1057.0
195	ok	0.05	0.3	2.46e-02	5.7	5.7	7.1	7.1	-44.9	-28.7	-126.3	1525.3	314.3	155.6
196	ok	0.05	0.2	2.37e-02	5.7	5.7	7.1	7.1	-49.3	-29.3	-114.0	1110.6	198.8	352.8
197	ok	0.05	0.4	3.22e-02	5.7	5.7	7.1	7.1	-63.3	-50.0	-156.7	2093.9	929.1	1073.7
198	ok	0.05	0.4	2.66e-02	5.7	5.7	7.1	7.1	-87.9	14.1	-123.4	2429.0	-281.1	1169.3
199	ok	0.05	0.3	2.76e-02	5.7	5.7	7.1	7.1	-67.4	-25.1	-134.9	1614.9	386.5	129.6
200	ok	0.05	0.2	2.47e-02	5.7	5.7	7.1	7.1	-64.1	-13.2	-122.4	1234.9	292.2	412.1
201	ok	0.05	0.4	3.60e-02	5.7	5.7	7.1	7.1	-109.2	-5.1	-129.7	2167.8	84.5	298.5
202	ok	0.05	0.4	3.77e-02	5.7	5.7	7.1	7.1	-87.6	-76.3	-169.4	1678.0	1256.8	2027.4
203	ok	0.05	0.3	3.03e-02	5.7	5.7	7.1	7.1	-109.0	-49.5	-80.6	1510.1	408.6	180.2
204	ok	0.05	0.2	2.51e-02	5.7	5.7	7.1	7.1	-79.7	2.8	-122.0	1378.4	340.6	284.0
205	ok	0.05	0.3	4.42e-02	5.7	5.7	7.1	7.1	-178.2	-126.8	-139.4	1802.2	1046.8	635.7
206	ok	0.05	0.3	4.81e-02	5.7	5.7	7.1	7.1	-297.5	-109.1	-65.0	2594.9	50.1	802.4
207	ok	0.05	0.3	3.13e-02	5.7	5.7	7.1	7.1	-143.9	-36.6	-74.9	1567.5	490.6	154.8
208	ok	0.05	0.2	2.51e-02	5.7	5.7	7.1	7.1	-94.7	3.4	-111.0	654.6	336.2	634.1
209	ok	0.05	0.3	3.98e-02	5.7	5.7	7.1	7.1	-231.6	-51.7	-9.4	1800.1	-116.5	-557.9
210	ok	0.05	0.3	6.13e-02	5.7	5.7	7.1	7.1	-174.7	-183.0	-230.0	1124.4	1346.3	1918.2
211	ok	0.05	0.3	2.99e-02	5.7	5.7	7.1	7.1	-174.8	-8.9	-52.0	1625.6	444.4	108.3
212	ok	0.05	0.2	2.40e-02	5.7	5.7	7.1	7.1	-103.1	11.4	-97.8	737.1	373.0	581.9
213	ok	0.05	0.3	4.64e-02	5.7	5.7	7.1	7.1	-302.6	-21.0	-31.4	1756.0	558.1	184.8
214	ok	0.05	0.3	5.60e-02	5.7	5.7	7.1	7.1	-357.9	-208.9	46.2	2237.1	-166.3	-96.6
215	ok	0.05	0.3	2.87e-02	5.7	5.7	7.1	7.1	-186.7	-10.9	-2.1	1632.3	480.0	99.4
216	ok	0.05	0.3	2.23e-02	5.7	5.7	7.1	7.1	-99.2	17.7	-80.7	750.9	395.8	410.7
217	ok	0.05	0.3	4.01e-02	5.7	5.7	7.1	7.1	-232.6	-50.5	11.2	1802.0	-145.1	559.4
218	ok	0.05	0.3	6.18e-02	5.7	5.7	7.1	7.1	-174.9	-186.1	231.9	1132.8	1405.1	-1944.6
219	ok	0.05	0.3	3.04e-02	5.7	5.7	7.1	7.1	-175.2	-9.0	53.7	1627.8	446.1	-107.4
220	ok	0.05	0.2	2.43e-02	5.7	5.7	7.1	7.1	-104.5	10.7	95.2	778.1	382.5	-570.7
221	ok	0.05	0.3	4.47e-02	5.7	5.7	7.1	7.1	-178.7	-128.5	141.6	1802.0	1075.9	-635.3
222	ok	0.05	0.4	4.84e-02	5.7	5.7	7.1	7.1	-299.0	-109.3	67.0	2601.6	42.3	-835.2

223	ok	0.05	0.3	3.19e-02	5.7	5.7	7.1	7.1	-144.4	-36.6	76.8	1568.7	493.6	-154.7
224	ok	0.05	0.2	2.54e-02	5.7	5.7	7.1	7.1	-95.7	17.1	115.5	1568.5	427.3	-267.7
225	ok	0.05	0.4	3.66e-02	5.7	5.7	7.1	7.1	-110.6	-10.5	131.2	2188.8	-366.5	-274.0
226	ok	0.05	0.4	3.84e-02	5.7	5.7	7.1	7.1	-89.1	-80.4	171.0	1705.9	1275.0	-2019.1
227	ok	0.05	0.3	3.09e-02	5.7	5.7	7.1	7.1	-109.5	-49.5	82.7	1511.1	410.0	-179.5
228	ok	0.05	0.2	2.57e-02	5.7	5.7	7.1	7.1	-82.3	-1.6	122.2	1428.5	374.1	-417.4
229	ok	0.05	0.4	3.29e-02	5.7	5.7	7.1	7.1	-63.9	-57.7	158.5	2109.3	926.4	-1046.4
230	ok	0.05	0.4	2.74e-02	5.7	5.7	7.1	7.1	-89.5	-13.7	125.2	2474.0	447.7	-1198.4
231	ok	0.05	0.3	2.82e-02	5.7	5.7	7.1	7.1	-68.4	-26.3	137.4	1629.5	390.5	-135.0
232	ok	0.05	0.2	2.53e-02	5.7	5.7	7.1	7.1	-65.2	-14.0	125.1	1269.8	298.5	-424.1
233	ok	0.05	0.4	2.40e-02	5.7	5.7	7.1	7.1	-45.9	-11.2	128.4	2047.0	386.4	-782.2
234	ok	0.05	0.4	1.76e-02	5.7	5.7	7.1	7.1	-13.5	39.8	111.6	1955.0	521.7	-1083.7
235	ok	0.05	0.3	2.52e-02	5.7	5.7	7.1	7.1	-45.7	-29.8	129.0	1536.6	316.3	-162.3
236	ok	0.05	0.2	2.42e-02	5.7	5.7	7.1	7.1	-50.0	-30.1	116.7	1121.6	202.1	-367.1
237	ok	0.05	0.4	1.91e-02	5.7	5.7	7.1	7.1	-20.2	-4.7	109.5	1736.5	342.9	-936.0
238	ok	0.05	0.4	1.54e-02	5.7	5.7	7.1	7.1	0.2	38.2	112.9	1276.0	769.5	-1755.8
239	ok	0.05	0.3	2.17e-02	5.7	5.7	7.1	7.1	-22.7	-25.1	113.4	1103.1	217.6	-356.8
240	ok	0.05	0.2	2.37e-02	5.7	5.7	7.1	7.1	-45.3	-74.1	-86.5	489.1	140.0	-73.6
241	ok	0.05	0.4	2.34e-02	5.7	5.7	7.1	7.1	-36.9	-69.5	-101.9	497.5	16.2	709.0
242	ok	0.05	0.4	1.79e-02	5.7	5.7	7.1	7.1	18.1	65.3	94.3	2155.2	574.6	-815.6
243	ok	0.05	0.3	2.48e-02	5.7	5.7	7.1	7.1	-42.5	-71.4	-99.9	501.1	196.2	-289.3
244	ok	0.05	0.2	2.38e-02	5.7	5.7	7.1	7.1	-53.7	-70.1	-96.3	405.8	170.0	-85.6
245	ok	0.05	0.4	3.07e-02	5.7	5.7	7.1	7.1	-52.5	-87.4	-134.0	657.1	250.6	739.8
246	ok	0.05	0.4	2.20e-02	5.7	5.7	7.1	7.1	28.0	76.1	130.7	1282.6	326.1	-1590.6
247	ok	0.05	0.3	2.79e-02	5.7	5.7	7.1	7.1	-64.9	-65.7	-113.4	605.9	187.5	-354.8
248	ok	0.05	0.2	2.50e-02	5.7	5.7	7.1	7.1	-68.8	-59.0	-102.9	526.9	917.1	-107.1
249	ok	0.05	0.4	3.30e-02	5.7	5.7	7.1	7.1	-92.9	-73.3	-136.4	586.8	148.1	549.3
250	ok	0.05	0.4	3.57e-02	5.7	5.7	7.1	7.1	-86.0	-90.3	-149.7	194.3	368.5	1622.5
251	ok	0.05	0.3	3.03e-02	5.7	5.7	7.1	7.1	-97.7	-56.5	-123.4	677.6	1375.3	-289.6
252	ok	0.05	0.2	2.43e-02	5.7	5.7	7.1	7.1	-87.7	-16.0	-103.9	671.5	207.4	-136.6
253	ok	0.05	0.3	4.27e-02	5.7	5.7	7.1	7.1	-197.8	-81.8	-132.1	866.6	166.4	322.5
254	ok	0.05	0.4	3.68e-02	5.7	5.7	7.1	7.1	-130.5	-137.5	-103.8	992.0	58.6	639.2
255	ok	0.05	0.3	3.26e-02	5.7	5.7	7.1	7.1	-132.8	-55.8	-116.7	743.6	1536.5	-320.7
256	ok	0.05	0.2	2.46e-02	5.7	5.7	7.1	7.1	-106.3	7.78e-02	-96.9	815.8	273.7	-187.8
257	ok	0.05	0.3	4.79e-02	5.7	5.7	7.1	7.1	-208.1	-108.4	-152.2	853.6	118.9	586.8
258	ok	0.05	0.4	6.10e-02	5.7	5.7	7.1	7.1	-93.0	-112.9	234.8	1009.8	920.6	-1786.4
259	ok	0.05	0.3	3.23e-02	5.7	5.7	7.1	7.1	-153.0	-32.0	-90.9	785.0	1522.0	-492.8
260	ok	0.05	0.2	2.41e-02	5.7	5.7	7.1	7.1	-120.9	16.4	-82.9	928.1	323.7	-249.8
261	ok	0.05	0.3	4.42e-02	5.7	5.7	7.1	7.1	-236.8	5.0	-73.1	1242.2	488.0	-51.1
262	ok	0.05	0.3	6.81e-02	5.7	5.7	7.1	7.1	-444.5	-189.1	41.0	2533.3	-315.1	-509.1
263	ok	0.05	0.3	2.99e-02	5.7	5.7	7.1	7.1	-164.7	-37.4	-59.1	821.9	1670.6	-556.7
264	ok	0.05	0.2	2.25e-02	5.7	5.7	7.1	7.1	-126.0	26.1	-64.0	981.4	350.8	-321.6
265	ok	0.05	0.3	4.77e-02	5.7	5.7	7.1	7.1	-252.8	9.6	144.2	1465.7	559.5	-499.8
266	ok	0.05	0.3	7.71e-02	5.7	5.7	7.1	7.1	-204.4	-227.9	298.1	1214.1	2173.0	-2329.6
267	ok	0.05	0.3	3.22e-02	5.7	5.7	7.1	7.1	-180.3	-5.0	55.3	1412.6	308.7	-238.9
268	ok	0.05	0.2	2.47e-02	5.7	5.7	7.1	7.1	-80.2	42.7	111.0	1202.3	-752.9	-150.6
269	ok	0.05	0.3	5.59e-02	5.7	5.7	7.1	7.1	-214.0	-137.2	193.3	1494.5	1444.9	-1030.8
270	ok	0.05	0.3	6.77e-02	5.7	5.7	7.1	7.1	-407.0	-115.5	117.7	2516.2	-193.4	-1597.8
271	ok	0.05	0.3	3.34e-02	5.7	5.7	7.1	7.1	-163.8	-27.9	106.1	1323.0	466.4	-466.9
272	ok	0.05	0.2	2.55e-02	5.7	5.7	7.1	7.1	-76.3	29.5	125.9	1076.2	-759.3	-295.1
273	ok	0.05	0.3	4.40e-02	5.7	5.7	7.1	7.1	-205.2	-44.3	147.2	1574.1	296.6	-439.8
274	ok	0.05	0.3	3.25e-02	5.7	5.7	7.1	7.1	-152.2	-59.7	100.1	1679.1	194.9	-1862.8
275	ok	0.05	0.2	3.27e-02	5.7	5.7	7.1	7.1	-129.8	-42.5	122.7	1195.4	329.1	-466.1
276	ok	0.05	0.2	2.68e-02	5.7	5.7	7.1	7.1	-106.0	-26.6	86.2	1092.9	298.9	-594.7
277	ok	0.05	0.3	3.05e-02	5.7	5.7	7.1	7.1	-85.8	-43.0	128.2	1306.7	311.1	-380.2
278	ok	0.05	0.3	3.13e-02	5.7	5.7	7.1	7.1	-59.1	-129.6	109.5	982.8	2910.2	-2189.1
279	ok	0.05	0.2	3.19e-02	5.7	5.7	7.1	7.1	-88.1	-50.1	116.9	1016.0	217.7	-397.7
280	ok	0.05	0.2	2.89e-02	5.7	5.7	7.1	7.1	-83.7	-52.8	86.8	851.3	134.3	-586.6
281	ok	0.05	0.3	3.11e-02	5.7	5.7	7.1	7.1	2.6	-10.6	172.0	-26.0	989.5	-1281.0
282	ok	0.05	0.3	1.90e-02	5.7	5.7	7.1	7.1	45.2	189.1	105.0	-707.9	-1487.6	-770.2
283	ok	0.05	0.2	3.08e-02	5.7	5.7	7.1	7.1	-12.5	1.8	149.2	-125.8	-1680.2	-293.5
284	ok	0.05	0.2	2.87e-02	5.7	5.7	7.1	7.1	-26.5	-66.8	130.4	490.8	-103.4	-298.2
285	ok	0.05	0.3	2.04e-02	5.7	5.7	7.1	7.1	27.7	72.2	147.7	-201.4	-475.5	-879.6
286	ok	0.05	0.3	2.35e-02	5.7	5.7	7.1	7.1	33.2	78.9	114.4	-403.8	1306.7	-1757.8
287	ok	0.05	0.2	2.79e-02	5.7	5.7	7.1	7.1	10.3	-11.1	139.0	-213.5	-1767.3	-375.3
288	ok	0.05	0.1	2.72e-02	5.7	5.7	7.1	7.1	-6.9	-89.1	127.8	307.4	-201.5	-209.9
289	ok	0.05	0.2	2.32e-02	5.7	5.7	7.1	7.1	40.7	12.9	123.0	-190.3	690.9	-1141.6
290	ok	0.05	0.4	2.22e-02	5.7	5.7	7.1	7.1	74.0	107.5	100.9	-413.4	1182.0	-1507.4
291	ok	0.05	0.2	2.43e-02	5.7	5.7	7.1	7.1	29.6	-19.6	120.2	-293.4	-1623.0	-349.5
292	ok	0.05	0.1	2.49e-02	5.7	5.7	7.1	7.1	-72.6	-58.0	-64.2	428.9	-21.2	-311.4
293	ok	0.05	0.2	2.50e-02	5.7	5.7	7.1	7.1	65.0	20.8	107.2	-243.7	474.2	-1040.9
294	ok	0.05	0.3	1.65e-02	5.7	5.7	7.1	7.1	79.0	185.6	124.4	-774.1	-586.9	-781.0
295	ok	0.05	0.2	2.27e-02	5.7	5.7	7.1	7.1	-77.4	-28.7	-83.0	487.5	-257.4	-448.3
296	ok	0.05	0.1	2.32e-02	5.7	5.7	7.1	7.1	-87.8	-58.9	-74.3	563.1	-381.1	-214.1
297	ok	0.05	0.2	2.55e-02	5.7	5.7	7.1	7.1	54.2	34.5	87.8	167.2	103.5	-1053.9
298	ok	0.05	0.2	2.26e-02	5.7	5.7	7.1	7.1	77.6	117.4	106.2	-494.1	815.5	-735.1
299	ok	0.05	0.1	2.51e-02	5.7	5.7	7.1	7.1	-96.5	-30.7	-97.9	469.4	-215.7	-501.6

300	ok	0.05	0.1	2.60e-02	5.7	5.7	7.1	7.1	-106.2	-55.1	-88.8	657.3	-374.6	-230.5
301	ok	0.05	0.2	2.96e-02	5.7	5.7	7.1	7.1	-102.4	-90.0	-90.4	103.5	-403.6	-371.2
302	ok	0.05	0.2	2.52e-02	5.7	5.7	7.1	7.1	58.8	136.8	74.8	-569.7	137.3	-838.0
303	ok	0.05	0.1	2.95e-02	5.7	5.7	7.1	7.1	-118.3	-40.1	-110.3	397.8	-126.7	-390.5
304	ok	0.05	0.2	2.86e-02	5.7	5.7	7.1	7.1	-125.5	-32.8	-91.9	736.6	-560.1	92.4
305	ok	0.05	0.2	3.47e-02	5.7	5.7	7.1	7.1	-139.7	-109.0	-103.1	-61.7	-362.9	-367.0
306	ok	0.05	0.1	2.65e-02	5.7	5.7	7.1	7.1	-126.5	-78.8	-63.9	-154.3	-301.2	506.4
307	ok	0.05	0.2	3.50e-02	5.7	5.7	7.1	7.1	-153.0	-52.9	-120.1	285.3	145.7	-229.9
308	ok	0.05	0.2	3.11e-02	5.7	5.7	7.1	7.1	-151.6	-12.1	-94.8	828.1	-484.6	323.2
309	ok	0.05	0.1	5.50e-02	5.7	5.7	7.1	7.1	-233.1	-144.2	-114.9	-327.7	-76.1	-208.9
310	ok	0.05	0.3	3.52e-02	5.7	5.7	7.1	7.1	85.9	127.4	68.1	323.0	783.3	70.5
311	ok	0.05	0.2	4.08e-02	5.7	5.7	7.1	7.1	-217.5	-52.9	-94.7	-68.1	328.2	240.5
312	ok	0.05	0.2	3.23e-02	5.7	5.7	7.1	7.1	-165.3	-12.8	-57.6	1280.6	216.6	430.8
313	ok	0.05	0.1	6.92e-02	5.7	5.7	7.1	7.1	-449.4	-120.8	-53.9	-1005.3	225.0	322.3
314	ok	0.05	0.1	0.1	5.7	5.7	7.1	7.1	-688.0	-214.5	-151.7	-539.3	-355.3	-133.1
315	ok	0.05	0.2	4.57e-02	5.7	5.7	7.1	7.1	-281.8	-44.5	-58.1	-347.6	273.7	722.1
316	ok	0.05	0.2	3.24e-02	5.7	5.7	7.1	7.1	-210.0	4.0	-30.9	1269.3	403.0	568.9

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.05	0.42	0.11	5.65	5.65	7.07	7.07	-687.99	-227.91	-295.67	-1005.30	-1767.27	-2329.63
								85.90	189.08	298.05	2651.40	2910.22	2304.40

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
97	ok	0.88						
98	ok	1.64						
99	ok	0.87						
100	ok	1.44						
117	ok	0.34						
118	ok	1.99						
119	ok	0.56						
120	ok	1.05						
121	ok	0.35						
122	ok	2.11						
123	ok	0.31						
124	ok	0.97						
125	ok	0.38						
126	ok	2.74						
127	ok	0.20						
128	ok	0.99						
129	ok	0.46						
130	ok	2.71						
131	ok	0.21						
132	ok	0.96						
133	ok	0.38						
134	ok	3.03						
135	ok	0.19						
136	ok	0.90						
137	ok	0.38						
138	ok	3.23						
139	ok	0.25						
140	ok	0.88						
141	ok	0.38						
142	ok	3.32						
143	ok	0.30						
144	ok	0.92						
145	ok	0.41						
146	ok	3.43						
147	ok	0.34						
148	ok	0.95						
149	ok	0.48						
150	ok	3.27						
151	ok	0.35						
152	ok	0.97						
153	ok	0.48						
154	ok	3.32						
155	ok	0.34						
156	ok	0.94						
157	ok	0.62						
158	ok	3.00						
159	ok	0.39						
160	ok	0.87						
161	ok	0.54						
162	ok	2.71						
163	ok	0.39						

164	ok	0.78
165	ok	0.49
166	ok	2.21
167	ok	0.39
168	ok	0.74
169	ok	0.57
170	ok	2.49
171	ok	0.37
172	ok	0.84
173	ok	0.47
174	ok	2.63
175	ok	0.37
176	ok	0.89
177	ok	0.50
178	ok	2.64
179	ok	0.34
180	ok	0.90
181	ok	0.55
182	ok	2.89
183	ok	0.34
184	ok	0.86
185	ok	0.51
186	ok	2.56
187	ok	0.35
188	ok	0.79
189	ok	0.53
190	ok	2.56
191	ok	0.36
192	ok	0.75
193	ok	0.47
194	ok	2.59
195	ok	0.34
196	ok	0.81
197	ok	0.54
198	ok	2.78
199	ok	0.33
200	ok	0.84
201	ok	0.48
202	ok	2.68
203	ok	0.33
204	ok	0.83
205	ok	0.59
206	ok	2.59
207	ok	0.37
208	ok	0.78
209	ok	0.47
210	ok	2.30
211	ok	0.40
212	ok	0.69
213	ok	0.70
214	ok	1.88
215	ok	0.43
216	ok	0.61
217	ok	0.47
218	ok	2.34
219	ok	0.40
220	ok	0.70
221	ok	0.60
222	ok	2.62
223	ok	0.37
224	ok	0.79
225	ok	0.48
226	ok	2.71
227	ok	0.33
228	ok	0.84
229	ok	0.55
230	ok	2.81
231	ok	0.33
232	ok	0.85
233	ok	0.47
234	ok	2.63
235	ok	0.34
236	ok	0.82
237	ok	0.52
238	ok	2.53
239	ok	0.36
240	ok	0.77

241	ok	0.51
242	ok	2.59
243	ok	0.35
244	ok	0.78
245	ok	0.54
246	ok	2.84
247	ok	0.34
248	ok	0.85
249	ok	0.49
250	ok	2.58
251	ok	0.35
252	ok	0.88
253	ok	0.47
254	ok	2.57
255	ok	0.37
256	ok	0.87
257	ok	0.56
258	ok	2.43
259	ok	0.37
260	ok	0.82
261	ok	0.49
262	ok	2.26
263	ok	0.39
264	ok	0.72
265	ok	0.53
266	ok	2.79
267	ok	0.39
268	ok	0.80
269	ok	0.61
270	ok	3.08
271	ok	0.39
272	ok	0.90
273	ok	0.52
274	ok	3.45
275	ok	0.34
276	ok	0.97
277	ok	0.45
278	ok	3.39
279	ok	0.36
280	ok	0.99
281	ok	0.42
282	ok	3.60
283	ok	0.35
284	ok	0.97
285	ok	0.47
286	ok	3.37
287	ok	0.32
288	ok	0.93
289	ok	0.46
290	ok	3.28
291	ok	0.26
292	ok	0.88
293	ok	0.38
294	ok	3.11
295	ok	0.19
296	ok	0.92
297	ok	0.41
298	ok	2.73
299	ok	0.18
300	ok	0.99
301	ok	0.34
302	ok	2.53
303	ok	0.21
304	ok	1.04
305	ok	0.33
306	ok	2.21
307	ok	0.35
308	ok	1.04
309	ok	0.33
310	ok	2.15
311	ok	0.60
312	ok	1.11
313	ok	1.01
314	ok	1.79
315	ok	0.99
316	ok	1.42

Nodo **Max tau** **Ver V pr** **Ver V sec** **Af V pr** **Af V sec** **V pr** **V sec**
 3.60

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	50.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
357	ok	0.07	0.3	0.2	9.9	14.9	7.6	13.5	-1103.1	-251.4	138.3	-1886.2	-194.8	-262.3
358	ok	0.06	0.5	0.2	10.3	7.5	7.1	8.9	-1261.1	-164.9	191.7	-4817.7	-943.5	1379.6
359	ok	0.05	0.3	9.57e-02	5.7	6.5	7.1	7.9	-375.0	-123.5	64.7	-1020.3	-112.3	367.8
360	ok	0.05	0.3	5.13e-02	5.7	5.7	7.1	7.1	-322.2	-41.2	66.3	-1486.6	-51.1	585.1
361	ok	0.05	0.5	6.82e-02	5.7	5.7	7.1	7.1	103.5	121.4	-169.6	-1219.2	176.8	-1712.9
362	ok	0.06	0.7	4.16e-02	8.7	6.8	9.4	8.2	-182.5	71.0	163.8	-2527.1	-747.8	1338.3
363	ok	0.05	0.6	6.05e-02	5.7	6.0	7.1	7.5	-245.9	-167.4	127.9	-1115.8	-814.6	1179.2
364	ok	0.05	0.5	4.53e-02	5.7	5.7	7.1	7.1	-227.8	-90.6	124.2	-1357.5	-295.1	1114.3
365	ok	0.06	0.7	5.10e-02	5.7	7.4	7.1	8.9	-315.2	48.5	-48.3	-3496.6	-631.1	-1835.0
366	ok	0.06	0.7	8.38e-02	5.7	7.6	7.1	9.0	-395.9	-202.4	-239.4	-4008.0	-241.5	-2915.9
367	ok	0.05	0.4	3.69e-02	5.7	5.7	7.1	7.1	-8.5	-144.1	129.5	-189.1	-881.2	1138.7
368	ok	0.05	0.3	2.96e-02	5.7	5.7	7.1	7.1	-108.3	81.1	-110.0	-842.4	-205.8	-897.7
369	ok	0.05	0.4	3.82e-02	5.7	5.7	7.1	7.1	-230.7	46.3	-33.9	-3434.3	-443.0	-1184.2
370	ok	0.05	0.6	5.08e-02	5.7	5.9	7.1	7.3	-333.8	-141.7	-21.5	-4565.6	-149.6	-1123.0
371	ok	0.05	0.5	3.73e-02	5.7	5.7	7.1	7.1	-218.8	78.0	-38.7	-2244.7	-420.4	-2592.7
372	ok	0.05	0.3	2.88e-02	5.7	5.7	7.1	7.1	-123.5	96.8	-77.6	-897.1	-562.7	-787.2
373	ok	0.05	0.5	3.70e-02	5.7	5.7	7.1	7.1	-237.5	36.9	6.7	-3457.3	-388.3	-1436.7
374	ok	0.05	0.5	4.11e-02	5.7	5.7	7.1	7.1	-270.3	-122.0	-16.4	-3413.7	-194.2	-1816.6
375	ok	0.05	0.5	2.97e-02	5.7	5.7	7.1	7.1	-191.8	81.3	-33.4	-1697.0	-500.9	-686.8
376	ok	0.05	0.3	2.83e-02	5.7	5.7	7.1	7.1	-162.0	89.4	-40.7	-1435.1	-699.0	-2645.1
377	ok	0.05	0.5	2.73e-02	5.7	5.7	7.1	7.1	-163.0	21.0	50.3	-3565.8	-317.7	21.6
378	ok	0.05	0.5	2.97e-02	5.7	5.7	7.1	7.1	-154.0	-99.4	9.5	-2034.3	-932.9	-1437.0
379	ok	0.05	0.3	2.70e-02	5.7	5.7	7.1	7.1	-144.8	61.5	-42.1	-1566.0	-583.5	-610.5
380	ok	0.05	0.4	2.58e-02	5.7	5.7	7.1	7.1	-152.7	84.9	-48.1	-1469.1	-748.5	-676.3
381	ok	0.05	0.3	2.76e-02	5.7	5.7	7.1	7.1	111.5	-38.4	-89.9	-576.2	-302.2	298.8
382	ok	0.05	0.4	2.27e-02	5.7	5.7	7.1	7.1	180.2	111.0	-113.4	-653.7	-573.0	-797.6
383	ok	0.05	0.2	2.39e-02	5.7	5.7	7.1	7.1	78.6	-108.4	-89.9	-314.6	71.5	378.4
384	ok	0.05	0.2	2.74e-02	5.7	5.7	7.1	7.1	49.4	-154.7	-82.3	162.6	360.2	120.3
385	ok	0.05	0.3	2.66e-02	5.7	5.7	7.1	7.1	66.4	-49.0	-136.8	-711.8	-810.1	-681.4
386	ok	0.05	0.3	2.41e-02	5.7	5.7	7.1	7.1	73.2	97.1	-109.0	-1088.5	-435.0	-1131.5
387	ok	0.05	0.3	2.60e-02	5.7	5.7	7.1	7.1	54.7	-82.3	-130.9	-513.5	-194.6	193.1
388	ok	0.05	0.1	2.65e-02	5.7	5.7	7.1	7.1	29.6	-131.1	-98.1	7.5	264.4	102.0
389	ok	0.05	0.4	3.30e-02	5.7	5.7	7.1	7.1	-56.6	-111.7	-126.3	-1509.6	-1506.6	-565.4
390	ok	0.05	0.3	3.09e-02	5.7	5.7	7.1	7.1	27.4	-1.9	-136.3	-705.1	-1471.3	-1915.5
391	ok	0.05	0.3	2.86e-02	5.7	5.7	7.1	7.1	-15.1	-70.6	-145.5	-1973.1	-418.4	795.4
392	ok	0.05	0.1	2.61e-02	5.7	5.7	7.1	7.1	-86.6	-43.0	-77.9	-941.6	-241.7	-424.9
393	ok	0.05	0.4	3.42e-02	5.7	5.7	7.1	7.1	-84.4	-47.8	-160.8	-3890.2	-555.9	76.9
394	ok	0.05	0.3	3.79e-02	5.7	5.7	7.1	7.1	-66.5	-138.0	-131.0	-953.6	-2595.2	-2174.7
395	ok	0.05	0.3	3.38e-02	5.7	5.7	7.1	7.1	-94.1	-52.0	-150.5	-3126.8	-474.1	778.1
396	ok	0.05	0.2	2.58e-02	5.7	5.7	7.1	7.1	-109.7	-20.7	-82.6	-1136.1	-337.7	-423.2
397	ok	0.05	0.3	4.07e-02	5.7	5.7	7.1	7.1	-163.0	-60.8	-150.2	-4075.7	-595.3	296.8
398	ok	0.05	0.3	3.87e-02	5.7	5.7	7.1	7.1	-145.9	-87.3	-131.8	-4148.9	-573.0	-896.1
399	ok	0.05	0.3	3.63e-02	5.7	5.7	7.1	7.1	-135.7	-44.9	-144.1	-3134.6	-522.2	881.5
400	ok	0.05	0.2	2.93e-02	5.7	5.7	7.1	7.1	-133.5	3.5	-77.1	-1331.9	-455.0	-260.6
401	ok	0.05	0.3	4.94e-02	5.7	5.7	7.1	7.1	-215.4	-53.7	-137.0	-3930.8	-761.6	326.4
402	ok	0.05	0.3	4.85e-02	5.7	5.7	7.1	7.1	-247.9	-131.1	-119.7	-4111.7	-393.5	-760.2
403	ok	0.05	0.3	3.57e-02	5.7	5.7	7.1	7.1	-182.6	-25.2	-92.9	-3415.8	-654.8	673.5
404	ok	0.05	0.2	2.83e-02	5.7	5.7	7.1	7.1	-130.2	-0.5	-104.3	-2656.0	-450.2	449.0
405	ok	0.05	0.3	5.68e-02	5.7	5.7	7.1	7.1	-261.3	-67.8	-68.6	-3397.2	-688.1	773.4
406	ok	0.05	0.3	7.08e-02	5.7	5.7	7.1	7.1	-426.0	-194.5	-109.3	-2557.3	21.3	-1132.1
407	ok	0.05	0.3	3.57e-02	5.7	5.7	7.1	7.1	-195.7	-16.0	-56.9	-3350.4	-660.7	790.5
408	ok	0.05	0.2	2.68e-02	5.7	5.7	7.1	7.1	-139.3	15.0	-84.2	-2744.5	-475.9	423.3
409	ok	0.05	0.3	5.29e-02	5.7	5.7	7.1	7.1	-313.3	-88.3	-96.3	-1723.9	-683.4	-601.4
410	ok	0.05	0.3	7.44e-02	5.7	5.7	7.1	7.1	-200.0	-170.1	213.0	-3165.7	-699.0	2056.2
411	ok	0.05	0.3	3.23e-02	5.7	5.7	7.1	7.1	-166.8	-17.1	-52.1	-2616.6	-379.5	474.2
412	ok	0.05	0.2	2.54e-02	5.7	5.7	7.1	7.1	-137.3	16.9	-62.9	-2752.6	-361.4	399.5
413	ok	0.05	0.3	4.70e-02	5.7	5.7	7.1	7.1	-198.6	-81.8	91.1	-1567.7	-786.5	166.4
414	ok	0.05	0.4	7.51e-02	5.7	5.7	7.1	7.1	-314.4	-143.1	256.9	-1503.3	-605.9	1566.9
415	ok	0.05	0.3	3.13e-02	5.7	5.7	7.1	7.1	-180.0	-23.0	70.8	-1697.4	-511.7	270.5
416	ok	0.05	0.2	2.40e-02	5.7	5.7	7.1	7.1	-146.5	7.7	44.1	-1634.7	-180.4	265.0
417	ok	0.05	0.3	4.80e-02	5.7	5.7	7.1	7.1	-237.8	-109.5	130.3	-1648.4	-566.5	773.6
418	ok	0.05	0.4	5.10e-02	5.7	5.7	7.1	7.1	-292.3	-129.9	86.1	-2268.1	-381.1	963.9

419	ok	0.05	0.3	3.01e-02	5.7	5.7	7.1	7.1	-154.4	-44.1	84.5	-1639.7	-437.4	237.6
420	ok	0.05	0.2	2.29e-02	5.7	5.7	7.1	7.1	-129.4	-13.7	55.8	-1488.1	-106.1	265.4
421	ok	0.05	0.3	3.42e-02	5.7	5.7	7.1	7.1	-159.3	-61.5	106.1	-1844.0	-647.1	612.8
422	ok	0.05	0.3	2.73e-02	5.7	5.7	7.1	7.1	-124.1	-77.1	77.4	-1634.0	-454.1	714.5
423	ok	0.05	0.3	2.70e-02	5.7	5.7	7.1	7.1	-121.4	-47.9	87.0	-1527.1	-390.8	183.0
424	ok	0.05	0.2	2.17e-02	5.7	5.7	7.1	7.1	-108.4	-31.4	61.9	-1323.3	-50.6	245.8
425	ok	0.05	0.3	2.37e-02	5.7	5.7	7.1	7.1	-76.2	-65.8	86.7	-1652.4	-615.1	600.7
426	ok	0.05	0.3	1.82e-02	5.7	5.7	7.1	7.1	-57.4	-39.9	67.2	-1398.9	-550.0	616.8
427	ok	0.05	0.3	2.32e-02	5.7	5.7	7.1	7.1	-86.7	-52.3	80.2	-1403.5	-385.4	140.0
428	ok	0.05	0.2	2.04e-02	5.7	5.7	7.1	7.1	-88.0	-47.3	61.4	-1153.6	-204.0	66.1
429	ok	0.05	0.3	1.83e-02	5.7	5.7	7.1	7.1	-40.4	-60.8	70.7	-2052.9	-525.1	653.4
430	ok	0.05	0.3	1.29e-02	5.7	5.7	7.1	7.1	6.4	49.1	56.7	2392.1	384.8	644.7
431	ok	0.05	0.3	1.97e-02	5.7	5.7	7.1	7.1	-60.5	-59.3	68.2	-1746.5	-386.0	125.3
432	ok	0.05	0.2	1.89e-02	5.7	5.7	7.1	7.1	-68.7	-61.5	-51.3	-2166.3	-20.6	-28.1
433	ok	0.05	0.3	1.90e-02	5.7	5.7	7.1	7.1	-42.3	-67.0	-66.6	-3649.8	-1225.5	-334.7
434	ok	0.05	0.3	1.42e-02	5.7	5.7	7.1	7.1	-14.4	-33.4	-65.9	-3145.4	-968.9	-784.6
435	ok	0.05	0.3	2.09e-02	5.7	5.7	7.1	7.1	-56.0	-69.5	-59.1	-2875.0	-1048.6	232.1
436	ok	0.05	0.2	2.05e-02	5.7	5.7	7.1	7.1	-68.5	-62.3	-60.7	-2103.7	-631.1	-96.7
437	ok	0.05	0.3	2.63e-02	5.7	5.7	7.1	7.1	-50.2	-96.2	-95.6	-3691.6	-1634.3	-502.3
438	ok	0.05	0.3	1.82e-02	5.7	5.7	7.1	7.1	26.2	83.0	61.1	2674.5	1922.5	505.6
439	ok	0.05	0.3	2.38e-02	5.7	5.7	7.1	7.1	-66.4	-65.0	-75.6	-2909.8	-998.8	187.9
440	ok	0.05	0.2	2.20e-02	5.7	5.7	7.1	7.1	-77.0	-57.9	-67.7	-2200.9	-672.2	-15.0
441	ok	0.05	0.3	3.06e-02	5.7	5.7	7.1	7.1	-104.6	-68.3	-108.5	-3847.8	-1272.2	-401.4
442	ok	0.05	0.3	2.88e-02	5.7	5.7	7.1	7.1	-66.1	-94.9	-104.8	-3380.4	-2542.5	-1175.7
443	ok	0.05	0.3	2.73e-02	5.7	5.7	7.1	7.1	-88.9	-58.4	-87.8	-3001.3	-945.1	119.5
444	ok	0.05	0.2	2.32e-02	5.7	5.7	7.1	7.1	-91.7	-43.3	-73.0	-2321.4	-570.1	-70.3
445	ok	0.05	0.3	4.06e-02	5.7	5.7	7.1	7.1	-133.0	-121.4	-139.0	-3959.4	-1682.6	-700.9
446	ok	0.05	0.4	3.85e-02	5.7	5.7	7.1	7.1	-192.5	-98.6	-90.6	-4159.7	-1824.4	-951.0
447	ok	0.05	0.3	2.99e-02	5.7	5.7	7.1	7.1	-120.4	-43.7	-89.9	-3098.0	-876.3	88.7
448	ok	0.05	0.2	2.28e-02	5.7	5.7	7.1	7.1	-100.3	-8.9	-85.5	-1323.8	-255.0	-168.2
449	ok	0.05	0.3	4.50e-02	5.7	5.7	7.1	7.1	-173.9	-63.9	-69.0	-3118.1	-1205.1	963.3
450	ok	0.05	0.3	5.39e-02	5.7	5.7	7.1	7.1	-164.0	-172.4	-186.1	-3792.0	-3166.9	-1514.8
451	ok	0.05	0.3	3.10e-02	5.7	5.7	7.1	7.1	-153.7	-34.4	-79.6	-3218.9	-814.6	29.2
452	ok	0.05	0.2	2.30e-02	5.7	5.7	7.1	7.1	-136.6	-3.4	-41.4	-1251.5	-404.1	-231.7
453	ok	0.05	0.2	5.22e-02	5.7	5.7	7.1	7.1	-268.2	-113.5	-135.1	-1486.7	-759.4	-726.5
454	ok	0.05	0.3	7.24e-02	5.7	5.7	7.1	7.1	-462.6	-188.7	-70.5	-2459.7	210.8	-556.7
455	ok	0.05	0.3	3.12e-02	5.7	5.7	7.1	7.1	-193.5	-26.6	-47.7	-1345.7	-447.0	-112.3
456	ok	0.05	0.2	2.35e-02	5.7	5.7	7.1	7.1	-151.2	14.9	-26.7	-1382.0	-497.6	-186.4
457	ok	0.05	0.3	4.65e-02	5.7	5.7	7.1	7.1	-273.7	-74.2	79.8	-1507.0	-170.4	557.7
458	ok	0.05	0.4	7.72e-02	5.7	5.7	7.1	7.1	-207.9	-176.4	-291.7	-1133.7	-764.4	-1641.4
459	ok	0.05	0.3	3.16e-02	5.7	5.7	7.1	7.1	-154.5	-17.9	-49.6	-1387.7	-417.7	-130.2
460	ok	0.05	0.2	2.41e-02	5.7	5.7	7.1	7.1	-157.4	22.2	-4.6	-1434.1	-532.6	16.7
461	ok	0.05	0.2	5.28e-02	5.7	5.7	7.1	7.1	-234.2	-72.1	72.0	-3282.1	-1393.5	89.9
462	ok	0.05	0.2	5.85e-02	5.7	5.7	7.1	7.1	-365.7	-186.6	66.0	-1744.1	73.2	579.2
463	ok	0.05	0.3	3.22e-02	5.7	5.7	7.1	7.1	-179.8	-20.0	56.8	-3294.1	-859.7	35.3
464	ok	0.05	0.2	2.38e-02	5.7	5.7	7.1	7.1	-153.3	16.4	26.3	-1401.6	-527.2	192.0
465	ok	0.05	0.3	4.09e-02	5.7	5.7	7.1	7.1	-186.8	-77.7	101.4	-4166.4	-1323.1	181.1
466	ok	0.05	0.3	3.94e-02	5.7	5.7	7.1	7.1	-210.2	-136.6	80.2	-4367.4	-2056.2	1036.0
467	ok	0.05	0.3	3.11e-02	5.7	5.7	7.1	7.1	-162.2	-33.2	85.7	-3276.4	-804.5	140.2
468	ok	0.05	0.2	2.31e-02	5.7	5.7	7.1	7.1	-139.4	0.5	41.6	-1277.3	-440.6	235.6
469	ok	0.05	0.3	3.34e-02	5.7	5.7	7.1	7.1	-135.1	-78.2	107.2	-3962.1	-1211.4	430.5
470	ok	0.05	0.3	3.10e-02	5.7	5.7	7.1	7.1	-123.9	-100.3	83.4	-3857.7	-2092.8	1040.2
471	ok	0.05	0.3	2.96e-02	5.7	5.7	7.1	7.1	-125.2	-49.2	96.8	-3140.5	-928.4	-60.1
472	ok	0.05	0.2	2.41e-02	5.7	5.7	7.1	7.1	-111.7	-22.0	74.6	-2488.4	-509.8	122.7
473	ok	0.05	0.3	2.70e-02	5.7	5.7	7.1	7.1	-76.1	-77.3	99.4	-2927.9	-1552.4	-11.1
474	ok	0.05	0.3	2.74e-02	5.7	5.7	7.1	7.1	-90.1	-75.2	82.9	-3585.1	-2039.3	904.8
475	ok	0.05	0.3	2.68e-02	5.7	5.7	7.1	7.1	-91.8	-58.9	93.1	-3023.4	-957.1	-105.5
476	ok	0.05	0.2	2.35e-02	5.7	5.7	7.1	7.1	-92.7	-42.8	75.7	-2330.4	-588.1	82.5
477	ok	0.05	0.3	2.59e-02	5.7	5.7	7.1	7.1	-45.8	-96.1	96.2	-3639.5	-1650.3	522.4
478	ok	0.05	0.3	1.79e-02	5.7	5.7	7.1	7.1	-47.5	-33.2	72.1	-3557.7	-743.5	695.7
479	ok	0.05	0.3	2.39e-02	5.7	5.7	7.1	7.1	-65.8	-65.7	78.4	-2904.2	-1008.2	-174.8
480	ok	0.05	0.2	2.23e-02	5.7	5.7	7.1	7.1	-77.2	-58.0	70.1	-2198.8	-684.8	28.5
481	ok	0.05	0.3	1.90e-02	5.7	5.7	7.1	7.1	-40.9	-66.9	67.9	-3613.6	-1229.4	355.5
482	ok	0.05	0.3	1.41e-02	5.7	5.7	7.1	7.1	-12.1	-31.9	66.9	-3106.6	-964.3	799.9
483	ok	0.05	0.3	2.12e-02	5.7	5.7	7.1	7.1	-56.5	-69.8	69.0	-2884.1	-985.9	-64.2
484	ok	0.05	0.2	2.07e-02	5.7	5.7	7.1	7.1	-67.8	-62.7	62.8	-2087.1	-634.2	109.9
485	ok	0.05	0.3	1.93e-02	5.7	5.7	7.1	7.1	-35.2	-61.8	45.8	-2817.2	-365.1	-169.0
486	ok	0.05	0.3	1.29e-02	5.7	5.7	7.1	7.1	-13.8	-16.0	40.4	-2974.0	-569.9	-276.1
487	ok	0.05	0.3	2.00e-02	5.7	5.7	7.1	7.1	-53.1	-65.1	48.3	-2165.1	-129.7	1.0
488	ok	0.05	0.2	1.89e-02	5.7	5.7	7.1	7.1	-71.5	-56.7	-54.7	-1039.1	-107.1	-171.7
489	ok	0.05	0.3	2.69e-02	5.7	5.7	7.1	7.1	-74.7	-83.2	-99.9	-1661.2	-763.3	-766.2
490	ok	0.05	0.3	2.02e-02	5.7	5.7	7.1	7.1	-85.6	-40.3	-67.8	-1620.6	-744.6	-590.8
491	ok	0.05	0.3	2.34e-02	5.7	5.7	7.1	7.1	-85.9	-55.6	-80.9	-1399.9	-406.4	-133.7
492	ok	0.05	0.2	2.02e-02	5.7	5.7	7.1	7.1	-87.9	-47.5	-60.1	-1149.0	-197.1	-55.1
493	ok	0.05	0.3	3.43e-02	5.7	5.7	7.1	7.1	-148.1	-58.8	-116.2	-1747.8	-652.4	-666.5
494	ok	0.05	0.3	3.25e-02	5.7	5.7	7.1	7.1	-100.3	-85.1	-123.6	-1321.5	-1111.9	-1192.3
495	ok	0.05	0.3	2.71e-02	5.7	5.7	7.1	7.1	-120.1	-46.8	-89.1	-1510.6	-373.5	-173.5

496	ok	0.05	0.2	2.16e-02	5.7	5.7	7.1	7.1	-108.5	-31.5	-61.1	-1321.4	-40.3	-234.6
497	ok	0.05	0.3	4.92e-02	5.7	5.7	7.1	7.1	-243.2	-108.4	-135.3	-1631.7	-549.1	-778.5
498	ok	0.05	0.4	5.12e-02	5.7	5.7	7.1	7.1	-44.9	-97.5	143.5	-2759.8	-1942.1	757.5
499	ok	0.05	0.3	3.04e-02	5.7	5.7	7.1	7.1	-155.7	-42.7	-85.9	-1620.8	-414.8	-229.1
500	ok	0.05	0.2	2.29e-02	5.7	5.7	7.1	7.1	-130.0	-13.1	-54.5	-1485.1	-100.8	-253.6
501	ok	0.05	0.3	4.77e-02	5.7	5.7	7.1	7.1	-205.9	-81.4	-91.4	-1558.3	-777.3	-152.7
502	ok	0.05	0.4	7.75e-02	5.7	5.7	7.1	7.1	-323.5	-147.9	-265.5	-1516.7	-522.4	-1558.2
503	ok	0.05	0.3	3.16e-02	5.7	5.7	7.1	7.1	-185.1	-19.0	-68.5	-1681.2	-471.8	-263.4
504	ok	0.05	0.2	2.39e-02	5.7	5.7	7.1	7.1	-147.5	8.4	-41.4	-1628.2	-168.2	-254.7
505	ok	0.05	0.3	5.57e-02	5.7	5.7	7.1	7.1	-260.0	-62.4	36.9	-3322.4	-1036.8	-668.5
506	ok	0.05	0.3	7.56e-02	5.7	5.7	7.1	7.1	-495.2	-212.1	39.1	-3091.1	222.6	15.5
507	ok	0.05	0.3	3.23e-02	5.7	5.7	7.1	7.1	-167.4	-14.5	58.3	-2569.4	-353.9	-476.6
508	ok	0.05	0.2	2.51e-02	5.7	5.7	7.1	7.1	-137.1	16.9	65.4	-2715.5	-463.5	-393.2
509	ok	0.05	0.3	5.17e-02	5.7	5.7	7.1	7.1	-245.4	-66.9	93.8	-3246.3	-759.5	-708.7
510	ok	0.05	0.3	8.32e-02	5.7	5.7	7.1	7.1	-224.0	-245.2	320.3	-1423.1	-2314.3	2363.9
511	ok	0.05	0.3	3.51e-02	5.7	5.7	7.1	7.1	-200.2	-20.6	62.8	-3287.9	-581.2	-803.2
512	ok	0.05	0.2	2.69e-02	5.7	5.7	7.1	7.1	-138.2	13.1	87.9	-2695.4	-453.2	-419.5
513	ok	0.05	0.3	5.94e-02	5.7	5.7	7.1	7.1	-190.2	-56.2	86.6	-3234.7	-521.0	-738.8
514	ok	0.05	0.4	7.37e-02	5.7	5.7	7.1	7.1	-455.5	-144.5	106.1	-2756.0	161.3	1216.9
515	ok	0.05	0.3	3.67e-02	5.7	5.7	7.1	7.1	-178.0	-31.6	103.0	-3313.7	-661.4	-659.1
516	ok	0.05	0.2	2.85e-02	5.7	5.7	7.1	7.1	-126.6	-3.0	105.6	-2558.1	-384.2	-455.0
517	ok	0.05	0.3	4.71e-02	5.7	5.7	7.1	7.1	-149.8	-55.2	150.6	-3974.3	-583.1	-316.8
518	ok	0.05	0.3	3.83e-02	5.7	5.7	7.1	7.1	-149.6	-83.2	134.9	-4149.1	-484.9	1019.7
519	ok	0.05	0.3	3.64e-02	5.7	5.7	7.1	7.1	-123.5	-45.3	143.6	-3043.2	-477.1	-892.5
520	ok	0.05	0.2	2.93e-02	5.7	5.7	7.1	7.1	-106.9	-29.8	120.7	-2433.8	-286.0	-475.3
521	ok	0.05	0.4	3.50e-02	5.7	5.7	7.1	7.1	-88.5	-50.9	162.5	-3829.7	-545.6	-79.8
522	ok	0.05	0.3	3.80e-02	5.7	5.7	7.1	7.1	-70.2	-152.0	114.7	-986.5	-3119.9	2217.5
523	ok	0.05	0.3	3.42e-02	5.7	5.7	7.1	7.1	-91.4	-53.8	154.2	-3064.3	-438.2	-796.4
524	ok	0.05	0.2	2.63e-02	5.7	5.7	7.1	7.1	-41.1	-46.6	125.3	-1264.2	-198.5	-359.8
525	ok	0.05	0.4	3.58e-02	5.7	5.7	7.1	7.1	-34.2	-116.3	132.2	-1304.8	-1785.6	457.4
526	ok	0.05	0.3	2.78e-02	5.7	5.7	7.1	7.1	-90.6	-65.7	106.4	-1320.4	-1721.0	1977.4
527	ok	0.05	0.3	2.91e-02	5.7	5.7	7.1	7.1	-70.4	-54.8	103.2	-1186.1	-386.2	144.1
528	ok	0.05	0.1	2.67e-02	5.7	5.7	7.1	7.1	-79.6	-47.2	80.0	-868.1	-208.5	426.1
529	ok	0.05	0.3	2.64e-02	5.7	5.7	7.1	7.1	73.0	-45.8	136.8	-774.7	-824.4	630.1
530	ok	0.05	0.3	2.08e-02	5.7	5.7	7.1	7.1	90.5	105.1	112.2	-1040.2	-381.6	1147.3
531	ok	0.05	0.3	2.64e-02	5.7	5.7	7.1	7.1	62.1	-83.2	134.6	-542.5	-210.6	-192.1
532	ok	0.05	0.1	2.70e-02	5.7	5.7	7.1	7.1	37.5	-136.8	98.5	31.8	248.1	-104.7
533	ok	0.05	0.3	2.57e-02	5.7	5.7	7.1	7.1	128.7	-35.1	91.3	-610.5	-65.8	-335.7
534	ok	0.05	0.3	2.57e-02	5.7	5.7	7.1	7.1	166.9	136.0	89.5	-631.5	-706.6	911.2
535	ok	0.05	0.2	2.38e-02	5.7	5.7	7.1	7.1	97.4	-110.3	90.1	-366.5	32.5	-372.8
536	ok	0.05	0.3	2.79e-02	5.7	5.7	7.1	7.1	59.7	-161.0	81.1	926.4	357.1	-138.5
537	ok	0.05	0.5	3.04e-02	5.7	5.7	7.1	7.1	130.0	-43.6	77.9	572.9	-325.6	-306.9
538	ok	0.05	0.6	2.81e-02	5.7	6.7	7.1	8.2	227.8	148.8	93.7	-604.5	-725.3	539.7
539	ok	0.05	0.4	2.69e-02	5.7	5.7	7.1	7.1	114.4	-127.6	46.0	932.9	43.2	-2065.3
540	ok	0.05	0.4	2.65e-02	5.7	5.7	7.1	7.1	-148.3	72.0	68.6	-1384.7	-698.0	654.1
541	ok	0.05	0.5	3.01e-02	5.7	5.7	7.1	7.1	-195.2	37.5	-23.8	-3692.1	-529.4	647.9
542	ok	0.05	0.5	3.40e-02	5.7	5.7	7.1	7.1	180.0	151.3	34.7	911.8	-628.7	570.0
543	ok	0.05	0.5	3.02e-02	5.7	5.7	7.1	7.1	91.9	-130.1	-44.3	310.6	108.0	-2501.6
544	ok	0.05	0.3	2.73e-02	5.7	5.7	7.1	7.1	-153.6	78.7	58.6	-1370.1	-655.3	2700.0
545	ok	0.05	0.5	3.84e-02	5.7	5.7	7.1	7.1	-244.2	69.3	47.7	-3572.2	-332.5	861.5
546	ok	0.05	0.7	5.09e-02	5.7	5.7	7.1	7.1	-305.9	-147.6	77.2	-4021.6	24.7	1105.4
547	ok	0.05	0.4	3.25e-02	5.7	5.7	7.1	7.1	-189.4	67.9	55.3	-2163.0	-437.4	733.0
548	ok	0.05	0.3	2.78e-02	5.7	5.7	7.1	7.1	-77.2	-94.7	-81.6	-1054.3	270.5	-2375.9
549	ok	0.05	0.4	4.00e-02	5.7	5.7	7.1	7.1	-156.4	73.4	66.3	-2781.0	-248.5	1156.8
550	ok	0.05	0.5	4.56e-02	5.7	5.7	7.1	7.1	-266.3	-136.0	77.4	-4165.2	63.5	2054.5
551	ok	0.05	0.4	3.47e-02	5.7	5.7	7.1	7.1	-136.4	79.7	87.6	-986.1	-91.8	935.0
552	ok	0.05	0.4	2.95e-02	5.7	5.7	7.1	7.1	-108.1	-98.4	-86.4	-1103.7	291.2	-2471.4
553	ok	0.05	0.4	6.45e-02	5.7	5.7	7.1	7.1	-276.9	-161.6	-184.5	-3334.3	-595.9	-460.0
554	ok	0.05	0.5	3.07e-02	6.6	5.7	8.0	7.1	-67.9	-85.4	127.8	-3288.7	-40.8	1761.1
555	ok	0.05	0.4	6.01e-02	5.7	5.7	7.1	7.1	-250.7	-101.0	-83.9	-1159.8	-723.2	-1044.0
556	ok	0.05	0.5	4.63e-02	5.7	5.7	7.1	7.1	-239.7	-86.1	-122.5	-1450.3	-211.1	-1092.8
557	ok	0.07	0.4	0.2	10.9	14.4	7.1	13.5	-1075.0	-264.9	-156.9	-1189.8	73.9	113.6
558	ok	0.07	0.4	0.2	11.7	5.7	8.5	7.1	-1318.4	-169.5	-182.1	-4722.3	-1051.9	-780.3
559	ok	0.06	0.4	9.14e-02	5.7	6.9	7.1	8.3	-399.1	-125.3	-57.3	-1187.3	-103.4	-305.8
560	ok	0.05	0.4	5.35e-02	5.7	5.7	7.1	7.1	-342.7	-37.5	-60.7	-1718.5	147.1	-780.9

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.07	0.73	0.20	11.75	14.89	9.38	13.51	-1318.41	-264.87	-291.65	-4817.70	-3166.92	-2915.90
								227.77	151.33	320.26	2674.45	1922.45	2700.03

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
357	ok Av	6.92	0.26	0.09	7.5	2.7	307.4	110.9
358	ok	0.0						
359	ok	2.75						

360	ok	3.47
361	ok	2.87
362	ok	0.0
363	ok	1.52
364	ok	1.37
365	ok	0.85
366	ok	0.0
367	ok	0.94
368	ok	1.10
369	ok	0.81
370	ok	0.0
371	ok	0.58
372	ok	1.03
373	ok	0.89
374	ok	0.0
375	ok	0.46
376	ok	0.96
377	ok	0.51
378	ok	2.80
379	ok	0.45
380	ok	1.03
381	ok	0.63
382	ok	3.42
383	ok	0.40
384	ok	1.15
385	ok	0.73
386	ok	3.62
387	ok	0.41
388	ok	1.23
389	ok	0.67
390	ok	3.73
391	ok	0.41
392	ok	1.28
393	ok	0.49
394	ok	3.72
395	ok	0.41
396	ok	1.28
397	ok	0.56
398	ok	3.75
399	ok	0.37
400	ok	1.23
401	ok	0.53
402	ok	3.50
403	ok	0.41
404	ok	1.12
405	ok	0.74
406	ok	2.96
407	ok	0.43
408	ok	0.97
409	ok	0.60
410	ok	2.26
411	ok	0.42
412	ok	0.82
413	ok	0.54
414	ok	2.00
415	ok	0.40
416	ok	0.69
417	ok	0.49
418	ok	1.95
419	ok	0.37
420	ok	0.65
421	ok	0.41
422	ok	1.90
423	ok	0.34
424	ok	0.61
425	ok	0.37
426	ok	1.78
427	ok	0.33
428	ok	0.55
429	ok	0.44
430	ok	2.06
431	ok	0.32
432	ok	0.55
433	ok	0.44
434	ok	1.96
435	ok	0.31
436	ok	0.59

437	ok	0.50
438	ok	2.26
439	ok	0.31
440	ok	0.63
441	ok	0.39
442	ok	2.24
443	ok	0.32
444	ok	0.64
445	ok	0.50
446	ok	2.27
447	ok	0.35
448	ok	0.62
449	ok	0.44
450	ok	2.21
451	ok	0.37
452	ok	0.55
453	ok	0.59
454	ok	1.85
455	ok	0.40
456	ok	0.48
457	ok	0.54
458	ok	1.46
459	ok	0.41
460	ok	0.38
461	ok	0.54
462	ok	1.80
463	ok	0.40
464	ok	0.49
465	ok	0.49
466	ok	2.19
467	ok	0.38
468	ok	0.56
469	ok	0.40
470	ok	2.30
471	ok	0.35
472	ok	0.63
473	ok	0.38
474	ok	2.21
475	ok	0.31
476	ok	0.65
477	ok	0.49
478	ok	2.27
479	ok	0.31
480	ok	0.64
481	ok	0.44
482	ok	1.98
483	ok	0.30
484	ok	0.60
485	ok	0.44
486	ok	2.06
487	ok	0.32
488	ok	0.55
489	ok	0.48
490	ok	2.00
491	ok	0.33
492	ok	0.54
493	ok	0.50
494	ok	1.90
495	ok	0.36
496	ok	0.61
497	ok	0.51
498	ok	1.93
499	ok	0.39
500	ok	0.64
501	ok	0.54
502	ok	2.02
503	ok	0.40
504	ok	0.69
505	ok	0.60
506	ok	2.32
507	ok	0.41
508	ok	0.83
509	ok	0.58
510	ok	2.96
511	ok	0.40
512	ok	0.99
513	ok	0.72

514	ok	3.48						
515	ok	0.42						
516	ok	1.14						
517	ok	0.54						
518	ok	3.87						
519	ok	0.39						
520	ok	1.25						
521	ok	0.47						
522	ok	3.86						
523	ok	0.41						
524	ok	1.30						
525	ok	0.62						
526	ok	3.80						
527	ok	0.42						
528	ok	1.30						
529	ok	0.71						
530	ok	3.67						
531	ok	0.41						
532	ok	1.25						
533	ok	0.62						
534	ok	3.33						
535	ok	0.41						
536	ok	1.16						
537	ok	0.83						
538	ok	3.05						
539	ok	0.46						
540	ok	1.04						
541	ok	0.67						
542	ok	0.0						
543	ok	0.53						
544	ok	1.00						
545	ok	0.95						
546	ok	0.0						
547	ok	0.69						
548	ok	1.09						
549	ok	1.61						
550	ok	0.0						
551	ok	0.89						
552	ok	1.17						
553	ok	1.92						
554	ok	0.0						
555	ok	1.46						
556	ok	1.41						
557	ok Av	6.76	0.25	0.09	7.3	2.7	300.3	110.0
558	ok	0.0						
559	ok	2.64						
560	ok	3.34						
Nodo		Max tau 6.92	Ver V pr 0.26	Ver V sec 0.09	Af V pr 7.49	Af V sec 2.70	V pr 307.42	V sec 110.93

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	50.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
313	ok	0.05	0.2	2.42e-02	5.7	5.7	7.1	7.1	-159.1	-83.0	-4.9	-2318.1	-208.1	-1173.0
314	ok	0.05	0.4	1.92e-02	5.7	5.7	7.1	7.1	77.3	236.3	45.5	-2055.3	-934.5	2591.3
315	ok	0.05	0.4	4.23e-02	5.7	5.7	7.1	7.1	-145.3	-173.3	76.3	-564.6	985.2	27.2
316	ok	0.05	0.4	4.84e-02	5.7	5.7	7.1	7.1	-161.5	-183.2	-52.4	-966.1	688.8	251.1
557	ok	0.07	1.0	0.1	6.4	14.5	7.8	8.1	-548.1	113.5	-46.4	-2.053e+04	1786.7	-69.7
558	ok	0.07	0.8	0.1	6.8	13.7	7.1	11.1	-550.0	136.5	199.7	-950.5	1445.8	2454.8
559	ok	0.07	1.0	7.60e-02	5.7	14.2	7.1	7.6	-523.5	42.4	-52.7	-1.944e+04	780.4	-209.4
560	ok	0.05	0.3	6.04e-02	5.7	5.7	7.1	7.1	-398.4	77.2	23.4	-1640.5	311.2	-66.5
561	ok	0.05	0.6	5.69e-02	5.7	5.7	7.1	7.1	-290.6	114.5	-70.5	-3043.9	667.7	-1185.1
562	ok	0.06	0.6	6.25e-02	5.7	7.9	7.1	9.3	-410.1	-163.9	-29.4	-5880.0	-1116.1	-2011.2
563	ok	0.05	0.5	5.27e-02	5.7	5.7	7.1	7.1	-337.5	27.1	34.6	-1778.4	-45.1	-3041.3
564	ok	0.05	0.6	4.81e-02	5.7	5.7	7.1	7.1	-311.6	121.0	-52.3	-2130.5	-594.0	-4666.5
565	ok	0.05	0.4	4.40e-02	5.7	5.7	7.1	7.1	-281.2	79.4	10.9	-2452.0	-512.8	-807.4
566	ok	0.05	0.4	4.96e-02	5.7	5.7	7.1	7.1	-282.0	-138.5	-69.9	-2987.4	-858.7	-736.4

567	ok	0.05	0.3	4.41e-02	5.7	5.7	7.1	7.1	-269.7	93.6	92.6	-1782.5	-513.1	-652.0
568	ok	0.05	0.3	4.14e-02	5.7	5.7	7.1	7.1	-260.5	129.1	-50.1	-1925.3	-819.0	-2746.6
569	ok	0.05	0.3	3.46e-02	5.7	5.7	7.1	7.1	-216.4	81.0	27.7	-1902.2	-619.1	-250.3
570	ok	0.05	0.3	2.89e-02	5.7	5.7	7.1	7.1	-164.1	-115.3	-18.3	-1828.1	-341.4	-129.6
571	ok	0.05	0.3	3.66e-02	5.7	5.7	7.1	7.1	-217.8	113.1	32.6	-1503.7	-858.4	-838.9
572	ok	0.05	0.3	4.41e-02	5.7	5.7	7.1	7.1	-220.4	266.7	81.0	-1691.8	-703.2	-744.4
573	ok	0.05	0.2	3.30e-02	5.7	5.7	7.1	7.1	-45.7	-123.8	-128.7	-1502.5	-923.2	-1061.6
574	ok	0.05	0.3	3.15e-02	5.7	5.7	7.1	7.1	-179.2	-143.7	-10.9	-1733.2	253.1	18.1
575	ok	0.05	0.3	4.28e-02	5.7	5.7	7.1	7.1	-278.0	179.1	1.5	-2395.6	-273.8	-528.1
576	ok	0.05	0.3	7.06e-02	6.0	5.7	7.5	7.1	-321.4	287.1	65.0	-2889.9	-490.1	176.9
577	ok	0.05	0.5	6.02e-02	5.7	5.7	7.1	7.1	-200.4	-40.7	-159.7	-6611.2	580.4	-1288.9
578	ok	0.05	0.3	4.06e-02	5.7	5.7	7.1	7.1	65.4	150.1	-185.1	253.8	-2942.4	-2397.3
579	ok	0.05	0.3	7.84e-02	5.7	5.7	7.1	7.1	-362.1	-96.7	-259.4	-4030.1	-758.0	-1254.3
580	ok	0.06	0.4	0.1	6.4	6.5	8.1	11.4	-452.6	-575.0	-215.2	-4694.2	-2209.6	-2172.6
581	ok	0.05	0.3	5.93e-02	5.7	5.7	7.1	7.1	-147.3	-65.5	-286.1	-1288.9	-151.5	-1801.8
582	ok	0.05	0.3	4.78e-02	5.7	5.7	7.1	7.1	-111.2	109.8	-177.6	-2535.1	-620.2	-1796.2
583	ok	0.05	0.4	4.51e-02	5.7	5.7	7.1	7.1	-94.8	-17.7	-237.2	-1021.6	-573.1	-420.8
584	ok	0.07	0.3	3.79e-02	7.5	8.9	10.7	15.6	104.6	838.3	172.1	514.1	1046.8	894.5
585	ok	0.05	0.1	4.62e-02	5.7	5.7	7.1	7.1	-134.7	-59.7	-185.8	-807.1	-159.1	-1051.0
586	ok	0.05	0.2	6.54e-02	5.7	5.7	7.1	7.1	-188.7	-357.9	141.8	-1661.2	906.4	721.8
587	ok	0.05	0.1	2.60e-02	5.7	5.7	7.1	7.1	-39.3	206.9	-11.8	-349.3	-310.4	-435.0
588	ok	0.05	0.3	5.21e-03	5.9	5.9	7.3	7.4	1.8	508.0	-9.0	-77.7	-351.4	-232.9
589	ok	0.05	0.3	5.31e-02	5.7	5.7	7.1	7.1	-144.3	104.7	309.1	-1037.7	-133.7	834.3
590	ok	0.05	0.3	6.81e-02	5.7	5.7	7.1	7.1	-195.2	-102.6	301.5	-1506.6	466.3	2333.4
591	ok	0.05	0.3	4.96e-02	5.7	5.7	7.1	7.1	-65.7	-67.7	263.9	-619.3	-571.0	-64.6
592	ok	0.05	0.2	8.47e-03	5.7	5.7	7.1	7.2	8.1	378.0	71.1	-199.1	-249.1	202.0
593	ok	0.05	0.2	6.57e-02	5.7	5.7	7.1	7.1	-170.6	93.1	375.8	-1431.8	-204.6	1077.8
594	ok	0.05	0.4	6.24e-02	5.7	5.7	7.1	7.1	-126.2	21.6	299.3	-1538.7	-551.9	2809.3
595	ok	0.05	0.1	7.53e-02	5.7	5.7	7.1	7.1	-129.2	-176.9	331.9	-1386.1	-850.4	612.5
596	ok	0.08	0.3	6.68e-02	8.0	12.8	11.7	17.4	72.5	-342.8	145.4	1076.8	-1283.9	547.3
597	ok	0.05	0.2	8.04e-02	5.7	5.7	7.1	7.1	-289.6	135.4	225.9	-2463.5	845.7	901.3
598	ok	0.05	0.4	6.47e-02	5.7	5.7	7.1	7.1	-129.0	51.5	294.0	-1485.2	-4122.1	3331.5
599	ok	0.05	0.3	0.1	5.7	5.7	7.1	7.1	-530.7	-201.6	386.6	-4581.8	-759.4	1773.8
600	ok	0.05	0.3	0.2	5.9	6.1	7.4	8.0	-647.5	-1033.8	390.3	-5404.1	-3750.8	3688.6
601	ok	0.05	0.2	5.61e-02	5.7	5.7	7.1	7.1	-271.4	17.2	198.2	-2733.1	-1414.6	1483.1
602	ok	0.05	0.4	5.53e-02	5.7	6.6	7.1	8.1	-306.3	150.4	132.9	-4767.8	-1396.9	2000.0
603	ok	0.05	0.2	7.53e-02	5.7	5.7	7.1	7.1	-421.2	-231.9	131.3	-3656.5	-936.6	907.7
604	ok	0.05	0.3	0.1	6.3	5.7	7.7	7.1	-500.5	-749.9	129.5	-3764.8	607.0	209.3
605	ok	0.05	0.3	5.44e-02	5.7	5.7	7.1	7.1	-313.4	119.0	97.8	-4121.6	-329.0	974.9
606	ok	0.05	0.3	4.65e-02	5.7	5.7	7.1	7.1	-195.5	119.1	92.8	-2787.3	-1699.5	1383.6
607	ok	0.05	0.2	5.74e-02	5.7	5.7	7.1	7.1	-260.4	-265.3	101.1	-3235.7	-433.0	266.4
608	ok	0.05	0.2	8.31e-02	5.7	5.7	7.1	7.1	-272.2	-386.4	119.4	-2582.7	-149.8	100.0
609	ok	0.05	0.2	4.74e-02	5.7	5.7	7.1	7.1	-247.2	123.1	75.2	-2710.7	-425.5	717.3
610	ok	0.05	0.3	5.73e-02	5.7	5.7	7.1	7.1	-345.8	19.2	109.4	-4334.2	-1038.1	1424.1
611	ok	0.05	0.2	5.32e-02	5.7	5.7	7.1	7.1	-225.6	-206.0	52.5	-2591.9	-242.8	-645.9
612	ok	0.05	0.2	6.43e-02	5.7	5.7	7.1	7.1	-202.2	-288.6	115.0	-2134.0	75.1	-73.6
613	ok	0.05	0.2	4.06e-02	5.7	5.7	7.1	7.1	-204.3	75.3	70.9	-2533.9	-538.0	160.5
614	ok	0.05	0.4	3.53e-02	5.7	5.7	7.1	7.1	-176.4	56.2	45.5	-4646.1	-1122.1	1171.8
615	ok	0.05	0.3	4.65e-02	5.7	5.7	7.1	7.1	-178.4	-167.6	78.3	-1302.7	-611.0	-321.2
616	ok	0.05	0.4	5.43e-02	5.7	5.7	7.1	7.1	-176.0	-297.5	111.7	-1294.6	579.0	-84.3
617	ok	0.05	0.2	2.47e-02	5.7	5.7	7.1	7.1	-91.8	-59.6	-84.1	-1638.3	-978.6	-1231.8
618	ok	0.05	0.3	3.63e-02	5.7	5.7	7.1	7.1	-168.0	80.4	-145.8	-1847.5	-1208.6	-3424.9
619	ok	0.05	0.1	3.42e-02	5.7	5.7	7.1	7.1	-97.1	-94.1	-71.7	-1379.1	-345.9	365.1
620	ok	0.05	0.1	3.89e-02	5.7	5.7	7.1	7.1	-133.1	-166.8	-108.5	-1263.2	406.5	85.7
621	ok	0.05	0.2	3.43e-02	5.7	5.7	7.1	7.1	-137.4	-21.6	-133.4	-2699.3	-209.4	-770.3
622	ok	0.05	0.5	3.91e-02	5.7	5.7	7.1	7.1	-179.0	-57.8	-92.0	-3769.4	-5495.5	-1251.7
623	ok	0.05	0.2	4.19e-02	5.7	5.7	7.1	7.1	-151.9	-84.2	-108.3	-2050.2	-246.1	181.1
624	ok	0.05	0.2	4.60e-02	5.7	5.7	7.1	7.1	-153.7	-141.0	-123.5	-1703.7	76.3	45.4
625	ok	0.05	0.2	5.17e-02	5.7	5.7	7.1	7.1	-282.2	-32.8	-109.5	-3048.4	-370.8	-509.4
626	ok	0.05	0.4	4.32e-02	5.7	5.7	7.1	7.1	-229.9	-78.0	-108.7	-3257.1	-4937.0	-1486.1
627	ok	0.05	0.2	4.86e-02	5.7	5.7	7.1	7.1	-260.4	-136.7	-108.0	-2575.0	-590.1	-179.3
628	ok	0.05	0.2	5.58e-02	5.7	5.7	7.1	7.1	-220.3	-180.3	-127.2	-2265.5	-331.7	-58.2
629	ok	0.05	0.3	7.06e-02	5.7	5.7	7.1	7.1	-385.8	-18.0	-193.0	-3052.7	-129.9	-976.5
630	ok	0.05	0.3	6.54e-02	5.7	5.7	7.1	7.1	-330.2	78.0	-139.0	-3124.0	-1580.0	-1350.0
631	ok	0.05	0.2	6.75e-02	5.7	5.7	7.1	7.1	-371.0	-102.8	-121.1	-3065.3	-868.4	-729.5
632	ok	0.05	0.2	7.78e-02	5.7	5.7	7.1	7.1	-360.7	-284.2	-109.6	-3226.8	-455.1	-119.0
633	ok	0.05	0.2	6.83e-02	5.7	5.7	7.1	7.1	-283.8	-88.5	-238.2	-2110.9	-582.7	-1437.4
634	ok	0.05	0.4	6.70e-02	5.7	5.7	7.1	7.1	-386.1	72.0	-169.8	-2830.2	-887.8	-1404.1
635	ok	0.05	0.3	9.39e-02	5.7	5.7	7.1	7.1	-468.9	-90.6	-287.1	-3981.8	-733.1	-1360.2
636	ok	0.06	0.3	0.1	5.7	7.7	7.1	9.9	-564.2	-704.9	-334.7	-4741.7	-3193.3	-3360.0
637	ok	0.05	0.2	5.76e-02	5.7	5.7	7.1	7.1	-147.8	-37.7	-285.9	-1789.8	-313.2	-1386.6
638	ok	0.05	0.2	5.76e-02	5.7	5.7	7.1	7.1	-69.7	51.4	-319.3	-1402.4	-1941.5	-2289.8
639	ok	0.05	0.2	6.13e-02	5.7	5.7	7.1	7.1	-152.7	-135.2	-264.5	-1603.1	-904.0	-775.4
640	ok	0.07	0.3	6.56e-02	7.4	12.7	9.3	15.2	160.2	706.3	256.7	879.1	1521.3	1615.9
641	ok	0.05	0.2	4.78e-02	5.7	5.7	7.1	7.1	-62.3	-85.5	-245.0	-1386.5	-330.7	-1604.7
642	ok	0.05	0.3	4.52e-02	5.7	5.7	7.1	7.1	-73.9	-160.9	177.5	-1302.1	530.7	908.6
643	ok	0.05	0.2	4.31e-02	5.7	5.7	7.1	7.1	20.6	127.5	216.4	97.8	753.9	-22.8

644	ok	0.05	9.99e-02	2.02e-02	5.7	5.7	7.1	7.1	-9.1	167.7	69.4	-2.1	-497.5	-61.0
645	ok	0.05	0.2	4.40e-02	5.7	5.7	7.1	7.1	-30.2	-81.6	-214.6	-1399.1	-216.0	-1080.3
646	ok	0.05	0.2	4.90e-02	5.7	5.7	7.1	7.1	-19.7	-90.5	-270.1	-1022.7	-71.1	-1804.0
647	ok	0.05	0.1	4.29e-02	5.7	5.7	7.1	7.1	0.6	46.0	77.2	-307.3	-321.0	185.1
648	ok	0.05	0.2	2.39e-02	5.7	5.7	7.1	7.1	6.5	168.6	74.4	-159.4	-463.2	307.1
649	ok	0.05	0.3	4.92e-02	5.7	5.7	7.1	7.1	-144.8	-15.7	163.6	-1286.6	15.4	1122.3
650	ok	0.05	0.3	5.36e-02	5.7	5.7	7.1	7.1	-53.5	33.6	292.9	-873.4	-1570.0	1885.9
651	ok	0.05	0.3	5.81e-02	5.7	5.7	7.1	7.1	-131.2	-107.9	194.5	-1361.6	-366.9	710.3
652	ok	0.07	0.3	6.35e-02	7.2	10.9	9.6	13.8	19.8	-402.9	126.3	529.5	-1312.7	250.6
653	ok	0.05	0.3	5.97e-02	5.7	5.7	7.1	7.1	-247.1	-28.6	210.4	-1610.2	-777.7	892.0
654	ok	0.05	0.3	6.48e-02	5.7	5.7	7.1	7.1	-347.5	46.6	165.3	-2218.8	-652.9	1263.5
655	ok	0.05	0.3	8.60e-02	5.7	5.7	7.1	7.1	-434.0	-87.8	154.7	-3766.5	-705.6	1081.2
656	ok	0.06	0.4	0.1	5.7	6.4	7.1	9.1	-496.4	-666.9	296.5	-3652.5	-2559.6	2364.5
657	ok	0.05	0.3	6.50e-02	5.7	5.7	7.1	7.1	-361.2	55.3	183.7	-2198.6	-553.1	1143.9
658	ok	0.05	0.3	6.01e-02	5.7	5.7	7.1	7.1	-331.5	36.8	119.1	-2405.1	-817.9	1230.3
659	ok	0.05	0.3	6.69e-02	5.7	5.7	7.1	7.1	-386.6	-90.5	119.7	-3002.1	-719.0	400.1
660	ok	0.05	0.4	7.94e-02	5.7	5.7	7.1	7.1	-405.3	-324.6	92.9	-3350.6	-360.5	290.1
661	ok	0.05	0.3	5.40e-02	5.7	5.7	7.1	7.1	-331.5	43.2	87.5	-4243.1	333.8	228.9
662	ok	0.05	0.3	6.44e-02	5.7	5.7	7.1	7.1	-248.6	-61.5	257.1	-3639.7	-2286.6	2033.9
663	ok	0.05	0.3	5.16e-02	5.7	5.7	7.1	7.1	-254.0	-134.6	110.9	-2226.2	-453.4	688.4
664	ok	0.05	0.3	5.82e-02	5.7	5.7	7.1	7.1	-266.1	-230.3	106.3	-2466.1	-416.6	314.1
665	ok	0.05	0.3	4.77e-02	5.7	5.7	7.1	7.1	-232.7	-88.1	139.2	-2409.2	-1484.0	808.3
666	ok	0.05	0.4	5.53e-02	5.7	6.0	7.1	7.4	-112.3	117.1	-69.9	-3496.3	626.4	-159.6
667	ok	0.05	0.3	4.24e-02	5.7	5.7	7.1	7.1	-183.6	-134.4	120.9	-2184.3	-331.5	646.3
668	ok	0.05	0.3	4.82e-02	5.7	5.7	7.1	7.1	-198.9	-230.5	106.3	-1986.3	-333.6	488.5
669	ok	0.05	0.3	3.78e-02	5.7	5.7	7.1	7.1	-173.4	-22.8	42.8	-4444.7	-633.4	-134.7
670	ok	0.05	0.4	3.43e-02	5.7	5.7	7.1	7.1	-91.7	54.7	176.7	-2302.1	-1627.3	1859.7
671	ok	0.05	0.3	3.65e-02	5.7	5.7	7.1	7.1	-161.2	-129.9	96.6	-2536.5	-363.7	125.3
672	ok	0.05	0.2	4.14e-02	5.7	5.7	7.1	7.1	-137.3	-192.5	108.5	-1670.4	-329.8	230.9
673	ok	0.05	0.4	2.86e-02	5.7	5.7	7.1	7.1	-141.0	-67.0	64.2	-4420.1	-1330.3	566.4
674	ok	0.05	0.4	2.62e-02	5.7	5.7	7.1	7.1	-168.3	79.2	32.1	-2191.5	-560.6	520.5
675	ok	0.05	0.3	2.98e-02	5.7	5.7	7.1	7.1	-95.1	-111.2	90.8	-1922.0	-359.1	89.2
676	ok	0.05	0.2	3.61e-02	5.7	5.7	7.1	7.1	-96.6	-165.1	104.8	-1470.2	-310.3	217.1
677	ok	0.05	0.4	3.01e-02	5.7	5.7	7.1	7.1	-131.9	-19.6	42.4	-4411.2	-827.3	379.7
678	ok	0.05	0.4	2.81e-02	5.7	5.7	7.1	7.1	-156.5	67.1	4.5	-2260.7	-579.8	235.8
679	ok	0.05	0.3	3.25e-02	5.7	5.7	7.1	7.1	-180.7	11.5	-89.2	-1653.3	1907.4	-64.2
680	ok	0.05	0.2	3.38e-02	5.7	5.7	7.1	7.1	-188.2	43.9	-79.4	-1797.7	-216.4	33.1
681	ok	0.05	0.4	3.90e-02	5.7	5.7	7.1	7.1	-208.6	-13.6	-111.0	-1969.2	-332.0	-483.3
682	ok	0.05	0.4	3.87e-02	5.7	5.7	7.1	7.1	-160.0	-20.5	-149.7	-1421.5	-567.2	-1506.2
683	ok	0.05	0.3	3.72e-02	5.7	5.7	7.1	7.1	-178.6	19.0	-94.0	-527.9	2263.0	470.6
684	ok	0.05	0.3	3.57e-02	5.7	5.7	7.1	7.1	-194.8	18.1	-95.4	-1651.6	-258.0	-48.7
685	ok	0.05	0.4	4.36e-02	5.7	5.7	7.1	7.1	-236.8	-53.3	-111.5	-2287.6	-527.7	-644.4
686	ok	0.05	0.4	5.24e-02	5.7	5.7	7.1	7.1	-323.4	-76.1	-80.2	-2849.8	-344.5	-479.7
687	ok	0.05	0.3	3.81e-02	5.7	5.7	7.1	7.1	-208.0	-61.8	-78.1	-1869.8	-444.2	283.2
688	ok	0.05	0.3	3.70e-02	5.7	5.7	7.1	7.1	-203.0	-21.5	-96.4	-1689.9	-358.4	-210.8
689	ok	0.05	0.3	3.82e-02	5.7	5.7	7.1	7.1	-220.7	-40.3	45.6	-4742.7	-921.9	410.7
690	ok	0.05	0.4	5.42e-02	5.7	5.7	7.1	7.1	-330.2	-51.9	70.8	-5442.6	-798.4	-251.7
691	ok	0.05	0.3	3.83e-02	5.7	5.7	7.1	7.1	-208.6	-56.4	-70.7	-1914.5	-454.1	308.0
692	ok	0.05	0.3	3.79e-02	5.7	5.7	7.1	7.1	-201.3	-39.6	-98.9	-1697.0	618.2	-204.5
693	ok	0.05	0.4	3.63e-02	5.7	5.7	7.1	7.1	-204.1	-29.1	71.1	-4715.0	-833.9	2.8
694	ok	0.05	0.4	3.77e-02	5.7	5.7	7.1	7.1	-163.3	-33.8	29.1	-5073.8	-982.4	-232.2
695	ok	0.05	0.3	3.82e-02	5.7	5.7	7.1	7.1	-190.5	-62.3	-64.0	-1963.0	-337.0	355.9
696	ok	0.05	0.3	3.98e-02	5.7	5.7	7.1	7.1	-192.4	-45.8	-102.8	-1677.6	697.0	-94.1
697	ok	0.05	0.4	3.14e-02	5.7	5.7	7.1	7.1	-143.5	-69.1	55.4	-4103.3	-872.2	-151.7
698	ok	0.05	0.4	2.24e-02	5.7	5.7	7.1	7.1	-108.1	-17.8	-57.4	-1505.8	-151.6	-135.2
699	ok	0.05	0.3	4.06e-02	5.7	5.7	7.1	7.1	-166.6	-106.0	-98.0	-2001.3	-500.5	291.0
700	ok	0.05	0.3	4.20e-02	5.7	5.7	7.1	7.1	-192.9	-70.5	-127.6	-1678.3	313.1	-177.1
701	ok	0.05	0.4	3.80e-02	5.7	5.7	7.1	7.1	-130.2	-133.8	-83.8	-2286.6	-517.6	439.1
702	ok	0.05	0.4	1.99e-02	5.7	5.7	7.1	7.1	-96.7	7.3	-70.5	-2602.1	-404.8	-179.3
703	ok	0.05	0.3	4.77e-02	5.7	5.7	7.1	7.1	-166.3	-137.9	-142.0	-2062.7	-580.6	348.8
704	ok	0.05	0.3	4.66e-02	5.7	5.7	7.1	7.1	-209.7	-74.8	-145.9	-1946.4	-273.1	-275.1
705	ok	0.05	0.4	5.48e-02	5.7	5.7	7.1	7.1	-165.3	-195.5	-130.0	-2552.5	-656.8	1044.7
706	ok	0.05	0.5	2.99e-02	5.7	5.7	7.1	7.1	-145.3	13.5	-84.6	-4576.0	-829.3	-942.6
707	ok	0.05	0.3	5.88e-02	5.7	5.7	7.1	7.1	-230.7	-154.2	-165.8	-1959.7	-399.9	386.8
708	ok	0.05	0.3	5.32e-02	5.7	5.7	7.1	7.1	-259.7	-44.5	-159.7	-2125.7	-116.4	-404.2
709	ok	0.05	0.3	9.93e-02	5.7	5.7	7.1	7.1	-396.6	-279.9	-175.0	-3722.6	-728.7	203.4
710	ok	0.05	0.6	5.64e-02	5.9	5.7	7.3	7.1	-154.2	-51.7	-91.2	-6073.7	-1371.0	-1008.9
711	ok	0.05	0.2	7.68e-02	5.7	5.7	7.1	7.1	-380.9	-128.0	-149.2	-1219.2	608.0	-676.9
712	ok	0.05	0.3	6.10e-02	5.7	5.7	7.1	7.1	-315.2	-4.0	-66.5	-4944.8	-1707.5	-454.9
713	ok	0.05	0.2	0.2	5.7	5.7	7.1	7.1	-1027.1	-213.3	-96.0	-3218.3	632.1	-330.8
714	ok	0.05	0.3	0.2	5.7	5.7	7.1	7.1	-1444.5	-317.2	-281.9	-7870.7	-667.5	-635.0
715	ok	0.05	0.4	9.89e-02	5.7	5.7	7.1	7.1	-538.0	-132.7	-77.3	-1057.6	2120.8	-825.1
716	ok	0.05	0.4	7.38e-02	5.7	5.7	7.1	7.1	-486.9	-21.0	-23.1	-5692.9	-1156.0	-409.6

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.08	0.98	0.23	8.05	14.50	11.72	17.37	-1444.51 160.24	-1033.80 838.33	-334.73-2.053e+04 390.33	-5495.48 1076.77	-4666.51 2262.97	-4666.51 3688.57

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
313	ok	2.03						
314	ok	2.60						
315	ok	1.50						
316	ok	1.49						
557	ok Av	5.75	0.21	0.08	6.2	2.3	255.9	95.6
558	ok	0.0						
559	ok	2.07						
560	ok	1.53						
561	ok	2.62						
562	ok	0.0						
563	ok	1.71						
564	ok	1.56						
565	ok	1.07						
566	ok	0.0						
567	ok	0.72						
568	ok	1.53						
569	ok	0.79						
570	ok	1.74						
571	ok	0.60						
572	ok	1.56						
573	ok	1.02						
574	ok	3.20						
575	ok	0.61						
576	ok	1.50						
577	ok	0.87						
578	ok Av	4.50	9.47e-03	0.18	0.3	5.1	11.3	209.5
579	ok	1.22						
580	ok	1.75						
581	ok	0.90						
582	ok Av	5.38	4.14e-03	0.21	0.1	6.1	4.9	250.7
583	ok	0.60						
584	ok	0.97						
585	ok	0.57						
586	ok Av	4.97	0.02	0.19	0.5	5.6	21.4	230.6
587	ok	0.23						
588	ok	0.44						
589	ok	0.96						
590	ok Av	6.59	0.02	0.26	0.5	7.5	21.9	306.7
591	ok	0.30						
592	ok	0.32						
593	ok	1.30						
594	ok Av	7.35	9.34e-03	0.29	0.3	8.3	11.1	342.3
595	ok	0.86						
596	ok	0.97						
597	ok	1.28						
598	ok Av	6.34	0.02	0.25	0.5	7.2	19.8	294.8
599	ok	1.74						
600	ok	1.75						
601	ok	1.17						
602	ok Av	4.54	0.02	0.18	0.5	5.1	18.7	210.5
603	ok	0.71						
604	ok	1.62						
605	ok	0.56						
606	ok	2.65						
607	ok	0.57						
608	ok	1.44						
609	ok	0.72						
610	ok	1.88						
611	ok	0.59						
612	ok	1.15						
613	ok	1.20						
614	ok	1.70						
615	ok	0.83						
616	ok	1.00						
617	ok	0.62						
618	ok	1.64						
619	ok	0.57						
620	ok	0.98						
621	ok	0.78						
622	ok	2.34						
623	ok	0.46						
624	ok	1.07						

625	ok	0.43						
626	ok	2.95						
627	ok	0.44						
628	ok	1.23						
629	ok	0.69						
630	ok	3.86						
631	ok	0.44						
632	ok	1.18						
633	ok	1.01						
634	ok Av	4.63	0.01	0.18	0.3	5.3	14.1	215.5
635	ok	1.60						
636	ok	1.62						
637	ok	0.87						
638	ok Av	5.28	5.07e-03	0.21	0.1	6.0	6.0	245.9
639	ok	0.92						
640	ok	1.16						
641	ok	0.88						
642	ok Av	5.18	9.68e-03	0.20	0.3	5.9	11.5	241.4
643	ok	0.43						
644	ok	0.90						
645	ok	0.91						
646	ok Av	5.27	0.01	0.21	0.3	6.0	14.2	245.3
647	ok	0.39						
648	ok	1.16						
649	ok	0.83						
650	ok Av	5.24	6.27e-03	0.20	0.2	5.9	7.5	243.9
651	ok	0.92						
652	ok	2.15						
653	ok	0.96						
654	ok Av	4.57	0.02	0.18	0.4	5.2	18.1	212.2
655	ok	1.37						
656	ok	2.31						
657	ok	0.84						
658	ok	3.75						
659	ok	0.52						
660	ok	1.44						
661	ok	0.48						
662	ok	3.14						
663	ok	0.41						
664	ok	1.25						
665	ok	0.65						
666	ok	2.75						
667	ok	0.32						
668	ok	1.08						
669	ok	0.51						
670	ok	2.24						
671	ok	0.31						
672	ok	0.97						
673	ok	0.61						
674	ok	2.18						
675	ok	0.32						
676	ok	0.90						
677	ok	0.60						
678	ok	2.17						
679	ok	0.34						
680	ok	0.99						
681	ok	0.66						
682	ok	2.12						
683	ok	0.37						
684	ok	1.07						
685	ok	0.71						
686	ok	2.59						
687	ok	0.39						
688	ok	1.15						
689	ok	0.72						
690	ok	2.65						
691	ok	0.40						
692	ok	1.27						
693	ok	0.65						
694	ok	2.60						
695	ok	0.38						
696	ok	1.46						
697	ok	0.40						
698	ok	2.66						
699	ok	0.30						
700	ok	1.73						
701	ok	0.72						

702	ok	3.19						
703	ok	0.36						
704	ok	2.08						
705	ok	1.07						
706	ok	3.15						
707	ok	1.06						
708	ok	2.52						
709	ok	2.48						
710	ok Av	4.14	0.10	0.13	3.0	3.7	121.3	150.0
711	ok	2.26						
712	ok	3.27						
713	ok Av	4.52	0.15	0.09	4.4	2.7	179.6	111.1
714	ok Av	7.45	0.28	0.09	8.1	2.6	330.9	105.4
715	ok	3.77						
716	ok	3.84						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	7.45	0.28	0.29	8.07	8.34	330.94	342.29

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
18	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
783	ok	0.14	0.5	0.3	19.6	24.1	7.6	12.6	-1649.2	-421.2	-289.8	-862.6	-419.2	-607.3
784	ok	0.09	0.3	8.05e-02	5.7	5.7	7.1	7.1	-72.4	-96.9	209.3	-881.4	-366.7	474.4
788	ok	0.15	0.6	0.3	18.3	25.1	7.5	13.5	-1586.6	-380.5	271.1	-1768.6	-562.7	669.1
897	ok	0.15	0.5	0.3	21.1	25.7	15.2	10.5	-1359.1	-86.8	196.4	-3387.5	-301.7	223.9
898	ok	0.09	0.3	9.32e-02	5.7	5.7	7.1	7.1	-118.2	134.3	-247.5	907.5	131.4	47.9
899	ok	0.11	0.4	0.2	13.6	13.7	9.1	8.7	-422.7	-11.2	212.5	82.2	-33.0	-519.1
900	ok	0.09	0.3	7.83e-02	5.7	5.7	7.1	7.1	-133.3	54.0	-220.4	635.2	6.8	196.7
901	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-437.8	-59.5	213.0	200.9	96.3	-347.6
902	ok	0.09	0.2	7.04e-02	5.7	5.7	7.1	7.1	-140.0	4.0	215.0	239.5	16.7	-408.0
903	ok	0.11	0.3	0.2	9.6	11.4	8.4	8.5	-915.4	-118.0	-215.9	-142.4	-21.8	185.5
904	ok	0.09	0.3	7.60e-02	5.7	5.7	7.1	7.1	-140.3	46.8	207.2	118.0	9.5	-482.5
905	ok	0.13	0.3	0.3	15.5	18.7	8.9	8.8	-1388.9	-90.9	-190.1	-441.2	-70.8	131.6
906	ok	0.09	0.3	9.10e-02	5.7	5.7	7.1	7.1	-168.3	-171.1	-200.7	-264.8	-0.3	130.6
907	ok	0.13	0.3	0.3	14.6	18.9	8.1	8.5	-1486.6	-338.9	-250.7	-229.7	27.5	156.0
908	ok	0.09	0.3	9.45e-02	5.7	5.7	7.1	7.1	-87.5	-69.0	-189.0	-284.6	21.6	29.7
909	ok	0.14	0.5	0.3	20.3	24.0	13.2	11.8	-1512.2	-97.5	-209.2	-667.8	-90.6	-171.5
910	ok	0.11	0.3	0.2	11.5	10.4	9.2	8.6	-1000.1	-119.5	-211.4	470.8	-0.5	166.8
911	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-445.6	-59.2	-212.8	380.6	97.8	140.7
912	ok	0.10	0.3	0.2	9.3	10.1	8.1	8.1	-354.1	-0.6	213.7	126.6	18.0	-503.2
913	ok	0.12	0.3	0.3	16.0	17.2	9.1	9.1	-863.8	-6.2	191.2	207.1	21.0	-130.9
914	ok	0.13	0.3	0.3	16.4	18.6	9.2	9.5	-1489.7	-511.4	268.7	319.8	74.4	-213.3

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.15	0.56	0.32	21.08	25.66	15.22	13.48	-1649.21	-511.40	-289.78	-3387.47	-562.68	-607.32
								-72.37	134.30	271.14	907.53	131.36	669.13

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
783	ok	2.51						
784	ok	2.02						
788	ok	2.75						
897	ok	1.81						
898	ok	0.67						
899	ok	0.91						
900	ok	0.65						
901	ok	0.91						
902	ok	0.49						
903	ok	0.82						
904	ok	0.49						
905	ok	1.09						
906	ok	0.48						
907	ok	1.31						
908	ok	0.43						
909	ok	1.83						

910	ok	1.26
911	ok	1.27
912	ok	1.19
913	ok	1.51
914	ok	1.77

Nodo	Max tau 2.75	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
17	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
771	ok	0.16	0.5	0.3	19.7	27.2	7.1	12.6	-1656.1	-461.0	-235.4	-1685.6	-611.3	-635.0
772	ok	0.09	0.4	8.38e-02	5.7	5.7	7.1	7.1	-139.6	-161.2	-201.8	-940.2	-447.2	-474.8
776	ok	0.14	0.3	0.3	15.1	19.9	7.9	9.7	-1703.7	-276.5	223.6	-909.5	-323.5	540.4
915	ok	0.13	0.3	0.3	16.1	19.4	10.0	8.8	-1606.5	-121.9	175.5	-752.5	-82.2	65.4
916	ok	0.09	0.3	9.58e-02	5.7	5.7	7.1	7.1	-152.5	143.6	203.1	763.2	125.2	-97.4
917	ok	0.11	0.3	0.2	11.1	9.9	9.7	8.4	-1065.4	-131.6	195.5	454.2	7.5	-139.0
918	ok	0.09	0.2	7.52e-02	5.7	5.7	7.1	7.1	-140.9	51.3	205.8	550.3	1.3	-193.4
919	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-461.8	-60.0	190.2	317.1	24.2	-145.2
920	ok	0.09	0.1	6.97e-02	5.7	5.7	7.1	7.1	-155.6	1.1	199.1	295.8	38.4	-207.7
921	ok	0.11	0.4	0.2	13.3	12.8	11.5	8.5	-1000.9	-125.4	-190.7	1591.4	7.2	90.3
922	ok	0.09	0.3	7.46e-02	5.7	5.7	7.1	7.1	-128.3	48.8	-185.1	600.1	23.5	109.9
923	ok	0.13	0.4	0.3	22.4	21.5	16.4	9.0	-1480.6	-101.5	-161.4	2467.7	-15.4	102.3
924	ok	0.09	0.3	9.08e-02	5.7	5.7	7.1	7.1	-205.0	-185.9	-173.1	956.3	-1.1	142.9
925	ok	0.13	0.4	0.3	21.4	21.7	8.3	8.1	-1565.1	-334.2	-224.8	342.3	70.7	205.7
926	ok	0.09	0.4	8.46e-02	5.7	5.7	7.1	7.1	-94.2	-32.1	-168.2	941.2	-4.3	94.6
927	ok	0.15	0.5	0.3	20.1	24.9	12.2	9.9	-1557.6	-96.4	-196.4	-1615.5	-300.6	-134.3
928	ok	0.12	0.4	0.2	13.9	12.7	8.6	8.5	-451.6	-8.0	-169.6	127.9	-53.0	136.6
929	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-473.7	-54.1	-169.5	283.6	24.5	128.9
930	ok	0.11	0.3	0.2	9.0	11.1	8.1	8.6	-979.1	-117.5	183.0	-145.2	-19.8	-178.5
931	ok	0.13	0.3	0.3	15.5	19.0	9.2	9.5	-1476.4	-74.4	176.8	-415.6	-61.5	-119.4
932	ok	0.13	0.3	0.3	14.6	19.5	8.3	8.9	-1641.4	-514.1	263.0	-100.0	42.0	-155.1

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.16	0.49	0.34	22.37	27.23	16.38	12.63	-1703.66	-514.07	-235.42	-1685.61	-611.31	-635.03
								-94.17	143.62	263.01	2467.71	125.16	540.43

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
771	ok	3.08						
772	ok	1.93						
776	ok	2.74						
915	ok	2.09						
916	ok	0.76						
917	ok	1.24						
918	ok	0.71						
919	ok	1.24						
920	ok	0.53						
921	ok	1.16						
922	ok	0.58						
923	ok	1.52						
924	ok	0.57						
925	ok	1.86						
926	ok	0.52						
927	ok	2.19						
928	ok	1.28						
929	ok	1.29						
930	ok	1.20						
931	ok	1.62						
932	ok	1.98						

Nodo	Max tau 3.08	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
21	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
759	ok	0.14	0.3	0.3	12.1	20.2	7.2	11.1	-1551.2	-320.2	-167.6	-1849.5	-514.8	-602.0
760	ok	0.09	0.4	6.65e-02	5.7	5.7	7.1	7.1	-183.9	-79.6	-126.7	-1358.9	-416.4	-553.5
764	ok	0.11	0.3	0.3	12.9	12.7	7.1	8.2	-1443.8	-252.5	166.0	200.4	-169.2	427.8
933	ok	0.12	0.3	0.3	14.5	13.4	9.1	8.2	-868.2	-24.3	125.2	801.1	28.5	-203.1
934	ok	0.09	0.3	8.63e-02	5.7	5.7	7.1	7.1	-147.9	131.8	131.0	1251.1	117.6	-176.5
935	ok	0.10	0.3	0.2	9.2	6.4	8.1	7.6	-882.0	-107.5	119.1	921.5	47.3	-78.1
936	ok	0.09	0.2	7.79e-02	5.7	5.7	7.1	7.1	-127.2	38.7	128.4	668.1	31.3	-137.7
937	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-376.3	-49.9	116.8	403.3	44.3	-41.1
938	ok	0.09	0.1	7.49e-02	5.7	5.7	7.1	7.1	-135.5	-8.91e-02	121.7	406.8	60.0	-128.4
939	ok	0.11	0.4	0.2	11.5	10.5	8.2	7.5	-937.6	-101.5	-113.6	1589.4	22.6	37.5
940	ok	0.09	0.3	7.63e-02	5.7	5.7	7.1	7.1	-206.9	37.4	-117.3	889.1	48.1	17.0
941	ok	0.13	0.4	0.3	20.1	17.8	13.9	8.0	-1344.2	-84.2	-89.4	2501.8	7.4	-16.5
942	ok	0.09	0.4	8.25e-02	5.7	5.7	7.1	7.1	-271.7	-136.9	-98.8	1258.5	-0.1	15.4
943	ok	0.13	0.4	0.3	18.5	17.6	7.4	7.2	-1455.0	-261.9	-167.4	2857.6	153.3	214.0
944	ok	0.09	0.4	6.17e-02	5.7	5.7	7.1	7.1	-150.8	-39.4	-112.2	1221.6	41.8	74.4
945	ok	0.14	0.4	0.3	13.2	19.8	8.7	9.1	-1440.1	-92.2	-105.5	-1734.6	-79.1	15.1
946	ok	0.10	0.3	0.2	8.0	9.5	7.9	7.7	-994.6	-108.8	-116.3	-176.3	-37.6	90.7
947	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-376.9	-47.7	117.3	-127.2	-61.5	-98.6
948	ok	0.10	0.3	0.2	5.8	8.9	7.2	7.8	-854.6	-103.3	112.1	-391.7	-40.0	-72.0
949	ok	0.13	0.3	0.3	11.3	16.4	8.3	8.7	-1248.1	-63.0	82.7	-819.5	-75.2	-21.6
950	ok	0.13	0.3	0.3	9.7	16.3	7.1	8.0	-1386.2	-340.2	170.4	-560.5	-64.9	7.2

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo	
							-1551.19	-340.17	-167.56	-1849.54	-514.84	-602.04	
	0.14	0.43	0.32	20.11	20.19	13.91	11.07	-127.18	131.82	170.39	2857.58	153.31	427.75

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
759	ok	2.86						
760	ok	1.71						
764	ok	2.43						
933	ok	2.33						
934	ok	0.92						
935	ok	1.64						
936	ok	0.89						
937	ok	1.64						
938	ok	0.74						
939	ok	1.57						
940	ok	0.81						
941	ok	1.71						
942	ok	0.78						
943	ok	2.05						
944	ok	0.41						
945	ok	2.20						
946	ok	0.79						
947	ok	0.79						
948	ok	0.69						
949	ok	0.99						
950	ok	1.17						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.86						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
22	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
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									daN/cm	daN/cm	daN/cm	daN	daN	daN
744	ok	0.15	0.3	0.3	13.6	22.9	7.1	11.0	-1551.3	-267.6	-180.3	-1610.6	-450.8	-717.5
748	ok	0.09	0.3	7.02e-02	5.7	5.7	7.1	7.1	-28.2	-120.9	132.1	1100.0	-102.4	540.1
752	ok	0.11	0.3	0.3	11.7	12.8	7.8	9.3	-1515.4	-385.6	201.9	395.3	-188.1	550.7
951	ok	0.11	0.3	0.3	13.3	13.0	8.5	9.1	-880.7	-8.4	132.5	949.1	34.3	-82.2
952	ok	0.09	0.3	9.57e-02	5.7	5.7	7.1	7.1	-100.7	155.2	154.7	1379.8	135.6	-80.5
953	ok	0.09	0.3	0.2	8.2	5.9	7.9	7.4	-882.7	-110.2	125.5	973.2	46.9	35.4
954	ok	0.09	0.2	8.36e-02	5.7	5.7	7.1	7.1	-79.2	36.2	141.3	755.4	26.3	-62.7
955	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-348.0	-51.7	128.1	371.9	49.4	83.2
956	ok	0.09	0.1	8.15e-02	5.7	5.7	7.1	7.1	-79.5	3.23e-02	138.3	375.0	55.3	-42.3
957	ok	0.10	0.3	0.2	10.0	9.1	8.2	7.8	-991.9	-106.5	-119.5	476.9	21.8	-98.2
958	ok	0.09	0.2	8.27e-02	5.7	5.7	7.1	7.1	-250.8	38.7	-115.7	650.0	39.6	-160.1
959	ok	0.13	0.3	0.3	18.2	15.4	9.1	9.0	-1404.0	-83.0	-114.1	831.9	28.6	-120.5
960	ok	0.09	0.2	8.94e-02	5.7	5.7	7.1	7.1	-293.1	-133.2	-89.9	825.3	-30.7	-161.7
961	ok	0.13	0.3	0.3	17.5	15.2	8.3	7.9	-1506.2	-362.9	-174.5	1037.5	160.6	69.6
962	ok	0.09	0.3	7.49e-02	5.7	5.7	7.1	7.1	-202.1	-115.9	-130.1	828.9	132.3	-50.2
963	ok	0.15	0.3	0.3	15.0	22.7	9.1	10.6	-1466.8	-97.5	-104.8	-1659.4	-108.7	-173.6
964	ok	0.11	0.3	0.2	9.3	11.5	8.1	8.6	-1019.7	-108.9	-128.1	-205.0	-39.7	-48.6
965	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-316.0	-49.1	127.4	-109.8	-56.8	21.3
966	ok	0.10	0.3	0.2	5.9	8.5	7.3	8.4	-834.8	-107.7	126.9	-429.3	-41.1	26.4
967	ok	0.12	0.3	0.3	11.5	15.4	8.2	9.9	-1262.9	-78.9	85.7	-792.6	-42.2	96.3
968	ok	0.12	0.3	0.3	9.8	14.2	7.1	8.2	-1399.4	-273.8	175.6	-812.1	-207.1	180.0

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.15	0.35	0.33	18.16	22.93	9.07	10.99	-1551.26	-385.63	-180.28	-1659.44	-450.84	-717.52
								-28.24	155.21	201.90	1379.77	160.62	550.73

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
744	ok	2.51						
748	ok	1.67						
752	ok	2.12						
951	ok	2.40						
952	ok	0.68						
953	ok	2.16						
954	ok	0.66						
955	ok	2.03						
956	ok	0.53						
957	ok	1.99						
958	ok	0.54						
959	ok	2.13						
960	ok	0.53						
961	ok	2.34						
962	ok	0.34						
963	ok	1.64						
964	ok	0.79						
965	ok	0.80						
966	ok	0.89						
967	ok	0.87						
968	ok	0.92						

Nodo	Max tau 2.51	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
23	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
716	ok	0.09	0.3	0.2	6.4	7.7	7.6	9.1	-864.9	70.7	-136.8	-1258.8	-323.1	-605.1
720	ok	0.09	0.3	0.1	5.7	6.8	7.1	8.2	-282.0	-287.8	221.1	-585.1	-879.5	751.7
724	ok	0.15	0.3	0.3	13.4	22.4	9.0	16.5	-1509.6	-546.1	263.5	-387.0	-692.4	869.4
969	ok	0.13	0.3	0.3	13.7	17.0	9.8	11.9	-1406.3	-99.3	230.2	-1147.2	-142.0	801.7
970	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-348.8	-111.6	236.5	-272.9	-616.5	155.3
971	ok	0.09	0.2	0.2	6.5	6.7	7.8	8.1	-381.1	10.9	154.2	-176.5	-54.6	283.2
972	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-311.2	20.5	158.9	-152.8	-144.5	332.7
973	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-416.0	-46.9	-154.5	-574.1	-20.8	-144.2
974	ok	0.09	0.1	8.44e-02	5.7	5.7	7.1	7.1	-202.7	-9.6	-226.9	-145.0	-135.8	393.5

975	ok	0.10	0.3	0.2	7.2	7.9	7.5	8.7	-397.4	5.7	-154.4	-523.6	-38.5	-187.3
976	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-306.8	-33.2	-225.2	-200.0	-377.2	259.6
977	ok	0.12	0.3	0.3	15.3	15.4	9.6	12.8	-1392.1	-114.9	-234.7	-149.9	71.0	-336.0
978	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-209.5	-104.0	-133.6	-206.0	-616.5	47.8
979	ok	0.12	0.2	0.3	16.1	16.9	12.6	12.9	-1494.8	-531.8	-260.7	18.9	-412.5	-481.3
980	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-210.2	-283.8	-220.3	-79.2	-487.8	-340.5
981	ok	0.10	0.3	0.2	6.8	9.5	8.1	8.3	-852.0	-51.9	-137.1	-616.2	6.3	-293.1
982	ok	0.09	0.3	0.2	6.7	5.7	8.1	7.1	-577.0	-87.7	-217.2	-173.4	7.6	194.7
983	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-236.3	-22.6	-219.5	-378.5	-161.8	256.7
984	ok	0.09	0.3	0.2	6.3	5.7	7.7	7.1	-561.6	-88.0	243.7	-217.7	93.6	-362.5
985	ok	0.09	0.3	0.2	7.1	7.4	7.7	7.6	-742.3	-44.2	150.8	-291.6	136.0	-147.8
986	ok	0.09	0.3	0.2	6.7	7.4	7.6	7.7	-731.4	32.1	151.4	-255.0	73.0	12.9

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.15	0.35	0.31	16.07	22.36	12.58	16.55	-1509.56	-546.09	-260.65	-1258.83	-879.46	-605.13
								-202.68	70.68	263.50	18.93	135.98	869.36

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
716	ok Av	5.32	0.20	0.06	5.9	1.7	138.3	39.5
720	ok	2.87						
724	ok	3.67						
969	ok	1.13						
970	ok	0.95						
971	ok	0.68						
972	ok	0.99						
973	ok	0.60						
974	ok	0.95						
975	ok	0.82						
976	ok	0.91						
977	ok	2.19						
978	ok	0.85						
979	ok	2.80						
980	ok	1.01						
981	ok Av	6.00	0.23	4.13e-03	6.8	0.1	159.7	2.8
982	ok Av	6.72	0.26	6.57e-03	7.6	0.2	178.8	4.5
983	ok Av	6.66	0.26	4.28e-03	7.6	0.1	177.3	2.9
984	ok Av	6.47	0.25	1.00e-02	7.4	0.3	172.1	6.8
985	ok Av	5.66	0.22	0.02	6.4	0.5	150.3	10.7
986	ok	4.07						

Nodo	Max tau 6.72	Ver V pr 0.26	Ver V sec 0.06	Af V pr 7.63	Af V sec 1.69	V pr 178.78	V sec 39.51
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
11	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
316	ok	0.09	0.1	6.63e-02	5.7	5.7	7.1	7.1	-125.2	-120.1	156.0	399.2	362.3	-119.2
560	ok	0.09	0.1	8.77e-02	5.7	5.7	7.1	7.1	-347.9	38.5	80.5	688.1	185.2	-120.0
564	ok	0.09	0.1	7.89e-02	5.7	5.7	7.1	7.1	-290.8	50.3	118.3	543.9	74.7	-248.2
568	ok	0.09	0.3	7.24e-02	5.7	5.7	7.1	7.1	-244.5	67.5	143.5	519.0	-95.4	-436.3
572	ok	0.09	0.3	6.63e-02	5.7	5.7	7.1	7.1	-195.2	118.5	157.2	419.7	-131.4	-369.8
576	ok	0.09	0.5	9.76e-02	5.7	6.8	7.1	8.3	-250.0	-272.6	-153.4	-2737.8	327.3	172.9
580	ok	0.09	0.7	0.3	6.6	6.7	8.0	7.2	-980.7	-393.7	-231.4	-1138.2	226.4	224.6
600	ok	0.09	0.2	0.4	5.7	5.7	7.1	7.1	-1418.1	-625.5	415.9	569.0	314.5	-308.7
604	ok	0.09	0.1	0.2	5.7	5.7	7.1	7.1	-343.9	-452.6	280.9	621.7	410.9	-239.9
608	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-288.0	-309.9	224.1	378.6	200.2	-197.9
612	ok	0.09	0.1	9.67e-02	5.7	5.7	7.1	7.1	-203.5	-176.2	169.2	333.5	160.3	-222.6
616	ok	0.09	0.1	8.03e-02	5.7	5.7	7.1	7.1	-148.0	-125.2	154.6	462.2	326.2	-283.4
620	ok	0.09	0.1	6.35e-02	5.7	5.7	7.1	7.1	-113.1	-45.0	-141.6	296.4	700.2	207.6
624	ok	0.09	0.1	7.45e-02	5.7	5.7	7.1	7.1	-152.7	-123.7	-174.1	218.8	78.7	157.9
628	ok	0.09	0.1	9.29e-02	5.7	5.7	7.1	7.1	-220.3	-174.1	-191.2	212.6	87.2	144.2
632	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-280.1	-265.6	-211.3	455.4	241.5	124.7
636	ok	0.09	0.2	0.3	5.7	5.7	7.1	7.1	-1024.2	-395.6	-272.0	447.0	175.9	155.9
656	ok	0.09	0.8	0.3	5.7	6.0	7.1	7.1	-1037.9	-371.3	239.5	-341.1	280.5	-261.9
660	ok	0.09	0.4	0.1	5.7	5.7	7.1	7.1	-348.1	-277.5	180.1	457.7	316.1	-203.4

664	ok	0.09	0.3	9.60e-02	5.7	5.7	7.1	7.1	-258.3	-200.9	167.2	401.6	149.0	-121.6
668	ok	0.09	0.3	7.67e-02	5.7	5.7	7.1	7.1	-180.6	-154.0	148.6	228.9	61.7	-95.1
672	ok	0.09	0.3	6.23e-02	5.7	5.7	7.1	7.1	-119.5	-108.9	133.9	-88.6	23.3	-75.3
676	ok	0.09	0.3	5.52e-02	5.7	5.7	7.1	7.1	-184.2	14.1	-105.4	319.0	93.8	-55.9
680	ok	0.09	0.3	5.70e-02	5.7	5.7	7.1	7.1	-171.6	-5.7	-122.7	970.7	127.3	134.5
684	ok	0.09	0.3	5.96e-02	5.7	5.7	7.1	7.1	-174.9	-5.9	-126.2	988.1	128.2	171.3
688	ok	0.09	0.3	6.17e-02	5.7	5.7	7.1	7.1	-179.7	-16.5	-129.2	1009.5	121.3	199.9
692	ok	0.09	0.3	6.33e-02	5.7	5.7	7.1	7.1	-184.2	-37.9	-134.6	1034.9	151.0	232.7
696	ok	0.09	0.3	6.53e-02	5.7	5.7	7.1	7.1	-182.8	-40.2	-134.4	1079.4	162.0	261.4
700	ok	0.09	0.3	6.86e-02	5.7	5.7	7.1	7.1	-186.5	-53.0	-144.1	1155.9	139.8	296.1
704	ok	0.09	0.3	7.33e-02	5.7	5.7	7.1	7.1	-216.8	-64.0	-139.0	524.8	116.9	200.2
708	ok	0.09	0.3	8.02e-02	5.7	5.7	7.1	7.1	-256.4	-52.1	-148.4	682.2	180.6	187.3
712	ok	0.09	0.3	8.65e-02	5.7	5.7	7.1	7.1	-301.9	5.4	-124.5	820.0	444.4	25.8
716	ok	0.09	0.4	9.81e-02	5.7	5.7	7.1	7.1	-350.6	-53.9	65.7	-1354.8	-461.5	-277.8
981	ok	0.09	0.3	8.09e-02	5.7	5.7	7.1	7.1	-308.7	9.6	54.3	-968.4	-79.5	82.4
982	ok	0.09	0.3	7.19e-02	5.7	5.7	7.1	7.1	-248.1	-10.6	97.5	-1276.2	-79.6	292.0
983	ok	0.09	0.2	6.24e-02	5.7	5.7	7.1	7.1	-201.2	2.0	-118.7	-283.9	-120.2	-302.9
984	ok	0.09	0.3	7.31e-02	5.7	5.7	7.1	7.1	-253.5	-7.0	-123.1	-1222.6	4.4	-427.9
985	ok	0.09	0.4	7.76e-02	5.7	5.7	7.1	7.1	-296.9	-5.2	-90.1	-1879.6	-218.7	-209.7
986	ok	0.09	0.4	7.70e-02	5.7	5.7	7.1	7.1	-296.0	-3.3	-87.0	-1975.9	-169.9	77.0
987	ok	0.09	0.2	7.82e-02	5.7	5.7	7.1	7.1	-216.8	7.8	-133.1	770.0	349.8	102.4
988	ok	0.09	0.2	6.59e-02	5.7	5.7	7.1	7.1	-195.0	-2.9	83.2	-807.0	17.5	498.2
989	ok	0.09	0.2	6.32e-02	5.7	5.7	7.1	7.1	-201.1	-7.74e-02	-128.1	-183.7	-105.6	-162.8
990	ok	0.09	0.3	6.27e-02	5.7	5.7	7.1	7.1	-198.2	3.2	-129.4	-1064.9	-73.9	-289.2
991	ok	0.09	0.3	6.02e-02	5.7	5.7	7.1	7.1	-217.3	-18.5	-82.2	-1481.5	-8.0	319.3
992	ok	0.09	0.3	5.82e-02	5.7	5.7	7.1	7.1	-214.7	-17.6	-77.9	-1560.7	68.4	422.8
993	ok	0.09	0.3	7.55e-02	5.7	5.7	7.1	7.1	-214.5	-8.0	-145.2	623.0	274.4	46.4
994	ok	0.09	0.1	6.72e-02	5.7	5.7	7.1	7.1	-211.1	-5.3	-131.4	462.9	184.0	68.8
995	ok	0.09	7.97e-02	6.19e-02	5.7	5.7	7.1	7.1	-197.6	-3.2	-121.0	186.4	65.7	71.0
996	ok	0.09	0.2	5.76e-02	5.7	5.7	7.1	7.1	-170.7	-9.7	-103.3	-909.4	53.2	181.2
997	ok	0.09	0.2	5.60e-02	5.7	5.7	7.1	7.1	-176.1	-12.6	-86.2	-1168.0	8.4	331.2
998	ok	0.09	0.2	5.22e-02	5.7	5.7	7.1	7.1	-173.4	-11.0	-84.6	-1240.5	53.1	420.4
999	ok	0.09	0.3	7.06e-02	5.7	5.7	7.1	7.1	-225.6	-28.6	-132.1	445.7	100.5	-22.0
1000	ok	0.09	0.2	6.68e-02	5.7	5.7	7.1	7.1	-206.8	-11.2	-136.8	746.2	125.7	-1.1
1001	ok	0.09	8.01e-02	6.27e-02	5.7	5.7	7.1	7.1	-196.3	-10.3	-127.8	181.2	40.2	58.8
1002	ok	0.09	0.2	5.84e-02	5.7	5.7	7.1	7.1	-177.9	-9.7	-112.6	-375.8	-123.5	86.6
1003	ok	0.09	0.2	5.63e-02	5.7	5.7	7.1	7.1	-166.8	-19.4	-103.5	-530.0	-154.2	192.3
1004	ok	0.09	0.2	5.20e-02	5.7	5.7	7.1	7.1	-151.3	-22.6	-68.3	-931.5	-12.1	446.5
1005	ok	0.09	0.3	6.76e-02	5.7	5.7	7.1	7.1	-207.8	-34.8	-126.4	385.5	55.1	45.6
1006	ok	0.09	0.2	6.60e-02	5.7	5.7	7.1	7.1	-198.6	-16.6	-140.7	720.1	81.0	48.3
1007	ok	0.09	8.03e-02	6.33e-02	5.7	5.7	7.1	7.1	-192.0	-16.3	-133.7	182.1	19.6	58.4
1008	ok	0.09	0.1	5.96e-02	5.7	5.7	7.1	7.1	-165.2	-15.5	-117.8	-212.3	-87.3	82.4
1009	ok	0.09	0.2	5.60e-02	5.7	5.7	7.1	7.1	-158.9	-20.8	-106.0	-465.1	-184.1	149.7
1010	ok	0.09	0.2	5.29e-02	5.7	5.7	7.1	7.1	-159.9	-24.6	-104.0	-574.0	-253.9	169.9
1011	ok	0.09	0.3	6.50e-02	5.7	5.7	7.1	7.1	-190.4	-25.6	-138.2	1030.4	103.1	154.2
1012	ok	0.09	0.2	6.49e-02	5.7	5.7	7.1	7.1	-192.4	-19.0	-140.6	682.5	52.6	64.6
1013	ok	0.09	0.1	6.37e-02	5.7	5.7	7.1	7.1	-187.7	-20.5	-138.4	184.5	-6.1	65.1
1014	ok	0.09	0.1	6.13e-02	5.7	5.7	7.1	7.1	-162.1	-19.7	-123.7	-194.4	-88.7	70.1
1015	ok	0.09	0.1	5.80e-02	5.7	5.7	7.1	7.1	-150.3	-27.2	-112.4	-361.7	-192.7	120.3
1016	ok	0.09	0.2	5.36e-02	5.7	5.7	7.1	7.1	-152.5	-33.1	-110.6	-476.1	-256.4	128.3
1017	ok	0.09	0.3	6.33e-02	5.7	5.7	7.1	7.1	-188.5	-19.5	-133.8	978.4	129.1	151.7
1018	ok	0.09	0.2	6.42e-02	5.7	5.7	7.1	7.1	-188.9	-17.6	-140.4	642.6	39.1	72.8
1019	ok	0.09	0.1	6.42e-02	5.7	5.7	7.1	7.1	-193.1	-23.4	-135.1	162.4	30.4	-85.0
1020	ok	0.09	0.1	6.26e-02	5.7	5.7	7.1	7.1	-159.5	-28.9	-136.0	-171.2	-106.5	86.6
1021	ok	0.09	0.1	5.99e-02	5.7	5.7	7.1	7.1	-149.0	-39.4	-125.0	-344.0	-181.6	111.3
1022	ok	0.09	0.2	5.57e-02	5.7	5.7	7.1	7.1	-153.2	-50.7	-120.6	-470.9	-255.0	119.8
1023	ok	0.09	0.3	6.21e-02	5.7	5.7	7.1	7.1	-187.3	-10.8	-131.0	942.4	135.5	145.3
1024	ok	0.09	0.2	6.36e-02	5.7	5.7	7.1	7.1	-188.3	-18.9	-137.3	604.0	20.0	40.9
1025	ok	0.09	0.1	6.47e-02	5.7	5.7	7.1	7.1	-175.7	-19.0	-139.9	184.8	47.0	-93.4
1026	ok	0.09	0.2	6.38e-02	5.7	5.7	7.1	7.1	-157.7	-32.2	-142.1	-155.2	-123.5	73.7
1027	ok	0.09	0.1	6.19e-02	5.7	5.7	7.1	7.1	-147.6	-46.6	-131.5	-325.7	-199.3	86.8
1028	ok	0.09	0.2	5.81e-02	5.7	5.7	7.1	7.1	-152.9	-61.3	-127.8	-465.4	-275.4	88.4
1029	ok	0.09	0.2	6.11e-02	5.7	5.7	7.1	7.1	-187.2	-11.0	-125.0	911.3	133.7	95.9
1030	ok	0.09	0.2	6.37e-02	5.7	5.7	7.1	7.1	-199.5	-16.5	-125.1	295.7	37.1	-120.4
1031	ok	0.09	0.2	6.52e-02	5.7	5.7	7.1	7.1	-177.2	-19.9	-137.9	187.0	28.9	-137.0
1032	ok	0.09	0.2	6.53e-02	5.7	5.7	7.1	7.1	-157.4	-32.2	-141.6	-144.8	-132.0	31.4
1033	ok	0.09	0.3	6.38e-02	5.7	5.7	7.1	7.1	-147.0	-46.8	-131.4	-311.1	-211.1	43.1
1034	ok	0.09	0.2	6.07e-02	5.7	5.7	7.1	7.1	-154.3	-72.8	-134.6	-465.2	-293.4	60.0
1035	ok	0.09	0.2	6.03e-02	5.7	5.7	7.1	7.1	-183.9	-4.8	-120.5	881.5	66.0	91.1
1036	ok	0.09	0.2	6.33e-02	5.7	5.7	7.1	7.1	-185.2	-3.2	-136.4	247.2	79.6	-130.9
1037	ok	0.09	0.2	6.61e-02	5.7	5.7	7.1	7.1	-180.4	-12.4	-152.2	200.1	96.2	-342.4
1038	ok	0.09	0.2	6.86e-02	5.7	5.7	7.1	7.1	-190.9	-38.7	-153.8	58.2	4.9	-326.2
1039	ok	0.09	0.3	6.61e-02	5.7	5.7	7.1	7.1	-163.4	-50.7	-130.0	84.1	-31.6	-144.5
1040	ok	0.09	0.2	6.38e-02	5.7	5.7	7.1	7.1	-158.6	-84.8	-140.7	-472.3	-308.3	34.1
1041	ok	0.09	0.2	5.87e-02	5.7	5.7	7.1	7.1	-186.4	16.6	-123.1	325.5	81.7	-126.4
1042	ok	0.09	0.2	6.27e-02	5.7	5.7	7.1	7.1	-94.9	-81.9	153.4	218.1	-151.5	560.4
1043	ok	0.09	0.2	6.72e-02	5.7	5.7	7.1	7.1	-186.4	-8.8	-150.1	204.1	107.8	-403.7

1044	ok	0.09	0.2	6.93e-02	5.7	5.7	7.1	7.1	-183.4	-33.8	-150.8	174.9	30.5	-344.7
1045	ok	0.09	0.3	7.04e-02	5.7	5.7	7.1	7.1	-191.1	-66.2	-153.3	14.9	-72.9	-339.5
1046	ok	0.09	0.3	6.72e-02	5.7	5.7	7.1	7.1	-149.4	-82.4	-123.4	-440.4	-305.1	-5.2
1047	ok	0.09	0.3	6.64e-02	5.7	5.7	7.1	7.1	-130.4	-101.7	132.3	-225.3	-21.3	-286.2
1048	ok	0.09	0.2	6.25e-02	5.7	5.7	7.1	7.1	-120.1	-81.3	157.4	261.3	-150.8	543.5
1049	ok	0.09	0.2	6.66e-02	5.7	5.7	7.1	7.1	-193.9	-2.1	-147.5	210.4	113.7	-410.2
1050	ok	0.09	0.3	7.02e-02	5.7	5.7	7.1	7.1	-198.5	-30.5	-151.7	183.4	44.2	-408.6
1051	ok	0.09	0.1	7.33e-02	5.7	5.7	7.1	7.1	-194.9	-61.0	-142.8	125.6	-51.5	14.3
1052	ok	0.09	0.2	7.26e-02	5.7	5.7	7.1	7.1	-199.1	-98.1	-140.0	-46.7	-136.1	-48.0
1053	ok	0.09	0.3	7.57e-02	5.7	5.7	7.1	7.1	-188.1	-122.2	155.6	203.7	60.4	151.4
1054	ok	0.09	0.2	6.92e-02	5.7	5.7	7.1	7.1	-174.5	-62.0	136.0	237.2	78.8	213.4
1055	ok	0.09	0.2	6.52e-02	5.7	5.7	7.1	7.1	-202.7	-0.2	-137.2	221.5	58.1	-396.1
1056	ok	0.09	0.2	7.18e-02	5.7	5.7	7.1	7.1	-221.8	-25.9	-145.7	187.8	40.8	-389.7
1057	ok	0.09	0.2	7.62e-02	5.7	5.7	7.1	7.1	-227.1	-61.1	-145.8	121.0	-36.9	-32.6
1058	ok	0.09	0.2	7.98e-02	5.7	5.7	7.1	7.1	-214.0	-105.3	-129.9	27.2	-123.1	263.4
1059	ok	0.09	0.3	8.91e-02	5.7	5.7	7.1	7.1	-261.3	-109.0	153.6	302.2	117.3	160.4
1060	ok	0.09	0.2	8.16e-02	5.7	5.7	7.1	7.1	-243.7	-61.3	135.6	226.7	97.0	176.2
1061	ok	0.09	0.2	7.09e-02	5.7	5.7	7.1	7.1	-212.2	0.2	-113.5	241.3	44.7	-342.0
1062	ok	0.09	0.2	7.42e-02	5.7	5.7	7.1	7.1	-253.8	-17.5	-81.8	185.7	-3.8	-199.1
1063	ok	0.09	0.2	8.41e-02	5.7	5.7	7.1	7.1	-278.0	-49.1	-147.7	112.9	-23.5	-43.4
1064	ok	0.09	0.3	9.10e-02	5.7	5.7	7.1	7.1	-268.1	-112.4	-137.6	-0.1	-100.3	266.4
1065	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-400.0	7.9	80.5	321.8	54.8	119.4
1066	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-299.3	-24.0	99.8	230.1	71.6	142.5
1067	ok	0.09	0.1	7.63e-02	5.7	5.7	7.1	7.1	-222.8	-4.9	77.7	264.8	67.6	164.6
1068	ok	0.09	0.2	7.13e-02	5.7	5.7	7.1	7.1	-271.9	-12.3	-83.6	206.2	25.5	-224.9
1069	ok	0.09	0.2	9.57e-02	5.7	5.7	7.1	7.1	-358.3	-25.0	-121.6	110.1	5.1	-47.8
1070	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-385.5	-87.3	-138.6	-133.2	-78.3	-102.6
1071	ok	0.10	0.7	0.2	7.3	8.4	8.7	8.4	-785.5	-22.9	123.2	-509.1	-105.0	-68.5
1072	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-312.4	-1.4	29.7	254.3	39.4	65.4
1073	ok	0.09	0.1	7.50e-02	5.7	5.7	7.1	7.1	-287.5	1.0	-1.8	209.1	7.4	47.2
1074	ok	0.09	0.1	6.86e-02	5.7	5.7	7.1	7.1	-267.3	-4.8	-27.2	196.5	22.0	-91.4
1075	ok	0.09	0.2	8.11e-02	5.7	5.7	7.1	7.1	-334.0	-11.5	-28.6	120.9	30.5	39.8
1076	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-344.2	39.6	-39.0	-168.9	-29.9	-107.9
1539	ok	0.09	0.2	7.86e-02	5.7	5.7	7.1	7.1	-155.5	-120.3	191.2	-293.6	-229.0	-56.5
1540	ok	0.09	0.1	8.23e-02	5.7	5.7	7.1	7.1	-143.7	-69.0	159.7	-8.6	-280.9	-194.4
1541	ok	0.09	0.1	8.09e-02	5.7	5.7	7.1	7.1	-160.9	-50.3	194.0	-211.6	-191.3	-150.1
1542	ok	0.09	0.2	7.76e-02	5.7	5.7	7.1	7.1	-166.2	-53.1	200.4	121.8	472.5	-93.3
1543	ok	0.09	0.2	7.37e-02	5.7	5.7	7.1	7.1	-164.4	-31.2	194.9	87.2	658.9	-109.1
1544	ok	0.09	0.3	6.84e-02	5.7	5.7	7.1	7.1	-117.7	-70.2	-137.3	90.1	490.3	-76.3
1845	ok	0.09	0.1	8.26e-02	5.7	5.7	7.1	7.1	-324.9	11.9	80.1	317.7	-178.2	-90.3
1846	ok	0.09	8.25e-02	6.87e-02	5.7	5.7	7.1	7.1	-171.4	13.0	119.6	29.4	-178.1	40.2
1847	ok	0.09	8.99e-02	5.60e-02	5.7	5.7	7.1	7.1	-170.0	0.2	120.8	-30.5	-159.3	69.0
1848	ok	0.09	0.1	4.38e-02	5.7	5.7	7.1	7.1	-96.5	2.7	126.8	-67.3	-122.0	94.9
1849	ok	0.09	0.1	4.16e-02	5.7	5.7	7.1	7.1	-120.0	-16.3	-91.7	196.9	761.6	21.7
1850	ok	0.09	0.1	4.29e-02	5.7	5.7	7.1	7.1	-155.1	-12.4	-62.0	229.3	845.6	18.5
1911	ok	0.09	0.1	8.90e-02	5.7	5.7	7.1	7.1	-174.7	-119.6	196.8	-273.4	226.4	-155.6
1912	ok	0.09	0.1	8.85e-02	5.7	5.7	7.1	7.1	-187.3	-113.7	217.6	109.3	261.9	-28.2
1913	ok	0.09	0.1	8.36e-02	5.7	5.7	7.1	7.1	-185.0	-69.5	215.2	108.3	335.4	-43.1
1914	ok	0.09	0.1	7.97e-02	5.7	5.7	7.1	7.1	-179.3	-45.5	199.3	117.6	472.6	-2.1
1915	ok	0.09	0.2	7.33e-02	5.7	5.7	7.1	7.1	-157.4	-59.8	-184.3	-170.2	166.2	85.4
1916	ok	0.09	0.2	7.14e-02	5.7	5.7	7.1	7.1	-151.5	-68.7	-182.6	-152.8	318.4	70.0
1917	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-224.4	-158.5	211.8	261.0	242.3	-107.2
1918	ok	0.09	0.1	9.55e-02	5.7	5.7	7.1	7.1	-229.6	-109.9	222.2	178.1	278.0	-37.4
1919	ok	0.09	0.1	8.92e-02	5.7	5.7	7.1	7.1	-212.3	-53.7	189.7	147.1	210.3	70.8
1920	ok	0.09	0.1	8.10e-02	5.7	5.7	7.1	7.1	-210.0	-30.3	198.9	85.5	410.5	55.8
1921	ok	0.09	0.2	7.59e-02	5.7	5.7	7.1	7.1	-197.9	-55.2	-149.5	-49.9	-104.2	-76.4
1922	ok	0.09	0.2	7.83e-02	5.7	5.7	7.1	7.1	-201.3	-103.5	-159.9	-95.8	-165.4	-65.7
1923	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-291.8	-192.7	203.7	238.9	170.1	-127.4
1924	ok	0.09	9.59e-02	0.1	5.7	5.7	7.1	7.1	-306.8	-104.5	215.2	237.2	231.6	-1.9
1925	ok	0.09	9.05e-02	9.76e-02	5.7	5.7	7.1	7.1	-245.1	-25.0	137.9	187.8	201.7	97.1
1926	ok	0.09	0.1	8.02e-02	5.7	5.7	7.1	7.1	-240.9	-22.1	171.3	115.4	254.9	96.4
1927	ok	0.09	0.2	8.31e-02	5.7	5.7	7.1	7.1	-243.6	-49.9	-157.4	-92.1	-192.9	-122.6
1928	ok	0.09	0.2	8.95e-02	5.7	5.7	7.1	7.1	-262.4	-106.0	-173.2	-134.0	-270.3	-126.3
1929	ok	0.09	0.1	0.2	5.7	5.7	7.1	7.1	-437.8	-195.5	244.8	370.5	190.8	-126.3
1930	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-382.9	-49.1	163.2	280.5	144.7	9.5
1931	ok	0.09	9.56e-02	0.1	5.7	5.7	7.1	7.1	-337.0	-6.5	23.0	231.3	82.7	169.5
1932	ok	0.09	0.1	7.83e-02	5.7	5.7	7.1	7.1	-319.7	-5.9	4.9	182.7	82.0	228.7
1933	ok	0.09	0.1	9.98e-02	5.7	5.7	7.1	7.1	-322.0	-7.1	-10.3	46.2	75.9	282.1
1934	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-389.1	-99.7	-160.7	-155.0	-211.1	-123.8
1935	ok	0.10	0.3	0.2	8.1	7.2	9.5	8.7	-1006.4	-14.3	193.5	566.6	66.5	-236.5
1936	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-389.6	-4.0	48.2	326.3	41.6	-21.0
1937	ok	0.09	9.25e-02	8.94e-02	5.7	5.7	7.1	7.1	-339.6	1.6	-1.9	255.7	1.9	39.9
1938	ok	0.09	8.47e-02	7.84e-02	5.7	5.7	7.1	7.1	-320.2	1.8	-2.2	202.3	1.4	65.7
1939	ok	0.09	8.02e-02	9.06e-02	5.7	5.7	7.1	7.1	-327.9	0.2	-3.5	56.0	-14.9	88.5
1940	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-642.3	9.1	-122.1	171.3	-43.1	-173.4
1941	ok	0.10	0.6	0.2	7.5	8.5	8.9	8.1	-821.1	-44.4	-149.5	-911.2	35.8	-41.3
1942	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-355.5	-112.8	-167.6	232.6	144.1	-418.9

1943	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-335.8	2.2	51.1	299.8	-51.7	-198.0
1944	ok	0.09	0.2	1.00e-01	5.7	5.7	7.1	7.1	-270.5	2.6	51.5	245.1	63.8	-273.7
1945	ok	0.09	0.2	9.47e-02	5.7	5.7	7.1	7.1	-343.4	13.1	51.4	184.2	-41.4	-232.2
1946	ok	0.09	0.2	8.21e-02	5.7	5.7	7.1	7.1	-278.9	17.7	131.7	142.4	-71.6	-333.0
1947	ok	0.09	0.5	0.1	5.7	5.7	7.1	7.1	-463.8	-9.3	39.6	-975.8	-44.8	-209.7
1948	ok	0.09	0.1	9.95e-02	5.7	5.7	7.1	7.1	-307.0	4.3	118.5	-62.7	-109.3	-318.0
1949	ok	0.09	0.6	0.1	5.7	5.7	7.1	7.1	-580.3	-16.6	41.7	-1360.0	-56.7	-177.8
1950	ok	0.09	0.5	0.1	5.7	5.7	7.1	7.1	-479.5	-17.6	52.0	-1140.5	-30.4	-197.2
1951	ok	0.09	0.5	0.2	5.7	6.6	7.1	8.1	-593.4	16.8	49.8	-1522.0	-62.4	-44.0
1952	ok	0.09	0.5	0.1	5.7	5.7	7.1	7.1	-420.3	22.6	202.4	553.0	-12.3	-183.1
1953	ok	0.09	0.3	7.01e-02	5.7	5.7	7.1	7.1	-228.4	65.3	150.6	278.8	13.6	-401.5
1954	ok	0.09	0.2	7.42e-02	5.7	5.7	7.1	7.1	-217.4	37.7	161.1	124.9	-44.0	-335.0
1955	ok	0.09	0.2	7.78e-02	5.7	5.7	7.1	7.1	-251.1	10.2	156.3	24.7	-93.3	-342.9
1956	ok	0.09	0.1	8.50e-02	5.7	5.7	7.1	7.1	-256.7	2.8	119.7	-60.6	-58.3	-364.4
1957	ok	0.09	0.1	8.73e-02	5.7	5.7	7.1	7.1	-292.8	-25.3	154.9	-146.9	-289.6	-197.6
1958	ok	0.09	8.69e-02	8.91e-02	5.7	5.7	7.1	7.1	-294.9	-68.0	132.6	-176.4	-222.0	-198.7
1959	ok	0.09	0.2	7.33e-02	5.7	5.7	7.1	7.1	-252.4	60.1	137.8	370.5	64.0	-350.1
1960	ok	0.09	0.1	7.45e-02	5.7	5.7	7.1	7.1	-210.6	31.2	163.8	78.3	-15.2	-373.1
1961	ok	0.09	8.83e-02	7.27e-02	5.7	5.7	7.1	7.1	-218.3	11.5	157.1	-48.1	-101.9	-268.7
1962	ok	0.09	8.93e-02	7.07e-02	5.7	5.7	7.1	7.1	-208.6	-3.01e-02	159.6	-100.2	-155.2	-269.9
1963	ok	0.09	8.72e-02	6.87e-02	5.7	5.7	7.1	7.1	-201.4	-16.1	151.8	-135.3	-198.9	-247.4
1964	ok	0.09	0.1	6.52e-02	5.7	5.7	7.1	7.1	-187.1	-35.9	131.0	-171.4	-340.9	-192.2
1965	ok	0.09	0.1	7.70e-02	5.7	5.7	7.1	7.1	-285.2	39.1	112.2	330.3	77.9	-263.0
1966	ok	0.09	8.57e-02	7.22e-02	5.7	5.7	7.1	7.1	-192.1	27.7	156.7	24.1	-60.7	-283.9
1967	ok	0.09	9.33e-02	6.69e-02	5.7	5.7	7.1	7.1	-195.3	7.7	155.1	-68.7	-89.8	-315.3
1968	ok	0.09	0.1	6.06e-02	5.7	5.7	7.1	7.1	-156.0	1.4	157.4	-79.3	-115.5	-303.3
1969	ok	0.09	0.1	5.41e-02	5.7	5.7	7.1	7.1	-79.5	-5.6	-91.6	-15.6	668.2	-212.1
1970	ok	0.09	0.1	4.81e-02	5.7	5.7	7.1	7.1	-123.5	-1.2	-65.6	153.7	743.5	-201.9
1971	ok	0.09	0.3	0.2	5.7	5.7	7.1	7.2	-814.9	-52.5	-169.3	410.9	45.9	172.5
1972	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-364.1	-19.4	-127.8	297.6	97.5	-26.4
1973	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-313.0	-4.8	-56.2	312.0	33.4	61.6
1974	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-289.2	-45.4	-163.1	280.0	110.3	-17.5
1975	ok	0.09	9.26e-02	7.42e-02	5.7	5.7	7.1	7.1	-264.2	1.9	2.2	260.7	3.0	-97.8
1976	ok	0.09	0.1	8.38e-02	5.7	5.7	7.1	7.1	-193.3	-13.5	-138.8	445.6	119.3	-60.1
1977	ok	0.09	9.05e-02	6.91e-02	5.7	5.7	7.1	7.1	-260.6	0.8	2.9	84.7	-12.4	-113.8
1978	ok	0.09	9.38e-02	7.61e-02	5.7	5.7	7.1	7.1	-271.8	-7.5	3.7	72.7	53.1	-297.4
1979	ok	0.09	8.99e-02	9.57e-02	5.7	5.7	7.1	7.1	-286.0	-1.8	45.8	-138.3	-54.0	-38.4
1980	ok	0.09	9.83e-02	9.72e-02	5.7	5.7	7.1	7.1	-273.9	-24.1	130.5	-142.4	-117.4	-156.0
1981	ok	0.09	0.3	0.2	5.7	6.6	7.1	8.0	-577.1	-2.3	123.4	-239.5	-146.5	-84.2
1982	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-325.0	0.7	203.0	-316.1	-3.8	-267.4
1983	ok	0.09	0.1	9.10e-02	5.7	5.7	7.1	7.1	-220.5	-128.8	-201.3	266.0	146.8	-29.7
1984	ok	0.09	0.1	8.60e-02	5.7	5.7	7.1	7.1	-212.5	-50.5	-168.4	254.0	154.4	-49.5
1985	ok	0.09	9.72e-02	8.04e-02	5.7	5.7	7.1	7.1	-177.7	-25.8	-143.8	356.5	169.6	-93.2
1986	ok	0.09	9.20e-02	7.64e-02	5.7	5.7	7.1	7.1	-193.7	-20.2	169.3	-176.8	-75.6	-86.4
1987	ok	0.09	8.74e-02	8.10e-02	5.7	5.7	7.1	7.1	-227.0	-29.4	128.5	-109.2	-55.4	-203.2
1988	ok	0.09	8.10e-02	8.56e-02	5.7	5.7	7.1	7.1	-217.6	-88.8	194.7	-227.7	-97.5	-103.6
1989	ok	0.09	0.1	8.04e-02	5.7	5.7	7.1	7.1	-160.8	-85.4	-190.9	228.8	174.4	73.6
1990	ok	0.09	9.38e-02	7.84e-02	5.7	5.7	7.1	7.1	-168.7	-68.9	-203.7	171.3	239.2	38.4
1991	ok	0.09	0.1	7.58e-02	5.7	5.7	7.1	7.1	-157.1	-49.1	-186.3	366.3	256.2	-73.0
1992	ok	0.09	0.1	7.50e-02	5.7	5.7	7.1	7.1	-182.5	-32.6	188.5	-271.9	-130.5	-115.8
1993	ok	0.09	0.1	7.80e-02	5.7	5.7	7.1	7.1	-189.5	-45.7	191.7	-127.6	-231.1	-114.3
1994	ok	0.09	0.1	7.66e-02	5.7	5.7	7.1	7.1	-186.7	-56.7	142.1	-90.2	-396.9	-92.0
1995	ok	0.09	0.1	7.20e-02	5.7	5.7	7.1	7.1	-147.9	-93.5	-144.7	191.3	204.2	148.6
1996	ok	0.09	0.1	7.58e-02	5.7	5.7	7.1	7.1	-138.6	-49.9	-195.6	363.5	328.4	97.4
1997	ok	0.09	0.1	7.43e-02	5.7	5.7	7.1	7.1	-168.5	-46.4	182.1	-254.4	-187.0	-139.6
1998	ok	0.09	0.1	7.60e-02	5.7	5.7	7.1	7.1	-171.2	-39.4	196.6	-289.6	-274.0	-143.8
1999	ok	0.09	0.2	7.53e-02	5.7	5.7	7.1	7.1	-170.8	-32.2	195.8	-335.3	-300.3	-138.6
2000	ok	0.09	0.2	7.22e-02	5.7	5.7	7.1	7.1	-164.4	-25.8	141.1	-75.0	-300.5	-116.5
2018	ok	0.09	0.2	6.56e-02	5.7	5.7	7.1	7.1	-264.0	-6.4	-47.1	-1361.7	402.9	329.4
2088	ok	0.09	0.3	5.86e-02	5.7	5.7	7.1	7.1	-196.8	-44.4	27.8	196.9	903.1	94.3
2139	ok	0.09	0.1	4.63e-02	5.7	5.7	7.1	7.1	-184.7	-11.0	-9.5	252.0	948.6	150.4
2140	ok	0.10	0.4	0.2	7.4	5.7	8.8	7.1	-489.9	-613.8	-280.3	-384.3	-725.1	-520.8
2141	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-386.5	-265.5	-165.6	-406.3	-247.0	-220.6
2142	ok	0.09	0.2	9.67e-02	5.7	5.7	7.1	7.1	-270.6	-191.7	-132.4	-269.5	-240.5	-152.0
2143	ok	0.09	0.3	7.77e-02	5.7	5.7	7.1	7.1	-210.0	-174.3	-69.2	-160.0	-247.9	160.2
2144	ok	0.09	0.3	6.81e-02	5.7	5.7	7.1	7.1	-183.7	-113.4	-115.6	-231.6	-143.7	-69.7
2145	ok	0.09	0.2	6.11e-02	5.7	5.7	7.1	7.1	-152.1	-97.8	-122.0	-687.2	-424.9	-44.6
2146	ok	0.09	0.2	5.80e-02	5.7	5.7	7.1	7.1	-132.5	-77.7	-94.0	-899.4	-403.9	-5.3
2147	ok	0.09	0.2	5.47e-02	5.7	5.7	7.1	7.1	-129.6	-77.0	-89.8	-840.4	-392.8	58.5
2148	ok	0.09	0.2	5.21e-02	5.7	5.7	7.1	7.1	-126.9	-62.3	-87.9	-772.0	-374.4	94.4
2149	ok	0.09	0.2	5.00e-02	5.7	5.7	7.1	7.1	-126.7	-49.6	-85.0	-716.2	-353.8	135.1
2150	ok	0.09	0.2	4.79e-02	5.7	5.7	7.1	7.1	-129.4	-38.5	-81.2	-679.8	-329.9	181.4
2151	ok	0.09	0.2	4.73e-02	5.7	5.7	7.1	7.1	-144.6	-21.5	-88.1	-656.5	-392.5	207.8
2152	ok	0.09	0.2	4.66e-02	5.7	5.7	7.1	7.1	-149.4	-19.8	-65.4	-1161.0	-153.9	477.9
2153	ok	0.09	0.2	4.71e-02	5.7	5.7	7.1	7.1	-173.3	-24.2	-62.1	-1153.4	-112.3	544.6
2154	ok	0.09	0.2	5.43e-02	5.7	5.7	7.1	7.1	-204.5	5.1	-51.9	-1226.7	366.2	453.4
2155	ok	0.09	0.2	6.33e-02	5.7	5.7	7.1	7.1	-199.9	-45.4	35.1	99.2	581.1	-147.0

2156	ok	0.09	0.1	6.99e-02	5.7	5.7	7.1	7.1	-186.1	-56.3	95.1	-157.6	-567.6	-38.3
2157	ok	0.09	9.07e-02	8.28e-02	5.7	5.7	7.1	7.1	-214.8	-168.7	153.8	-319.2	-121.8	-43.1
2158	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-309.5	-197.0	168.3	-541.5	-186.3	36.6
2159	ok	0.09	0.6	0.2	5.7	5.7	7.1	7.1	-903.4	-368.5	242.6	-2431.1	-222.8	151.3
2160	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-522.6	-334.0	-122.9	-318.4	-347.7	-210.7
2161	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-366.8	-307.2	-66.1	-222.2	-358.1	77.1
2162	ok	0.09	0.2	9.27e-02	5.7	5.7	7.1	7.1	-234.5	-170.8	-152.3	-186.9	-67.7	35.1
2163	ok	0.09	0.2	7.55e-02	5.7	5.7	7.1	7.1	-181.9	-160.7	-145.3	-86.8	58.4	72.5
2164	ok	0.09	0.3	6.58e-02	5.7	5.7	7.1	7.1	-133.0	-77.4	-97.6	58.0	278.1	41.0
2165	ok	0.09	0.1	3.99e-02	5.7	5.7	7.1	7.1	-130.5	3.0	-71.0	67.1	766.6	-152.9
2166	ok	0.09	0.1	5.38e-02	5.7	5.7	7.1	7.1	-165.2	-42.4	81.7	-222.7	-553.0	-99.8
2167	ok	0.09	0.3	8.10e-02	5.7	5.7	7.1	7.1	-275.9	-94.6	93.5	-303.0	-308.0	-52.0
2168	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-459.1	-203.0	135.2	-488.7	-298.0	28.1
2169	ok	0.09	0.5	0.3	5.7	6.3	7.1	7.7	-1124.9	-396.0	246.2	-899.7	-330.5	179.1
2503	ok	0.09	0.2	5.07e-02	5.7	5.7	7.1	7.1	-208.7	-6.1	-17.0	-322.7	769.1	389.7
2504	ok	0.09	0.2	3.71e-02	5.7	5.7	7.1	7.1	-144.0	-10.7	11.1	-280.9	1378.3	263.4
2505	ok	0.09	0.2	2.91e-02	5.7	5.7	7.1	7.1	-120.2	-8.8	7.6	264.8	1477.5	202.4
2506	ok	0.09	0.2	2.53e-02	5.7	5.7	7.1	7.1	-94.1	-12.0	-12.1	169.1	858.6	-146.9
2507	ok	0.09	0.3	2.52e-02	5.7	5.7	7.1	7.1	-52.8	-8.6	-21.7	-82.7	1886.1	-62.4
2508	ok	0.09	0.4	4.11e-02	5.8	5.7	7.8	7.1	-60.6	-173.0	17.9	-382.0	833.2	123.4
2509	ok	0.09	0.2	4.60e-02	5.7	5.7	7.1	7.1	-179.7	-1.7	-22.2	-521.6	580.7	496.3
2510	ok	0.09	0.2	3.82e-02	5.7	5.7	7.1	7.1	-141.5	-8.3	6.1	119.6	1163.4	304.1
2511	ok	0.09	0.2	3.21e-02	5.7	5.7	7.1	7.1	-129.2	-2.0	-23.1	-89.9	386.9	165.9
2512	ok	0.09	0.2	2.84e-02	5.7	5.7	7.1	7.1	-115.1	-4.7	-17.8	-147.9	319.9	-265.4
2513	ok	0.09	0.3	3.34e-02	5.7	5.7	7.1	7.1	-73.5	13.6	8.4	-191.1	1496.6	-212.5
2514	ok	0.09	0.4	5.65e-02	5.7	5.7	7.1	7.1	-148.5	-200.2	-58.7	-813.1	1466.4	-591.7
2515	ok	0.09	0.2	4.23e-02	5.7	5.7	7.1	7.1	-160.2	-16.0	-49.8	-792.8	-64.9	494.2
2516	ok	0.09	0.1	3.72e-02	5.7	5.7	7.1	7.1	-142.4	-2.2	-32.9	-406.7	168.8	284.6
2517	ok	0.09	0.1	3.27e-02	5.7	5.7	7.1	7.1	-110.4	8.1	-38.2	-432.1	-355.5	-51.2
2518	ok	0.09	0.2	3.23e-02	5.7	5.7	7.1	7.1	-91.1	16.8	-38.0	-375.2	-420.6	-197.0
2519	ok	0.09	0.2	3.54e-02	5.7	5.7	7.1	7.1	-134.8	-3.3	-26.1	-869.7	-73.0	-693.5
2520	ok	0.09	0.3	4.56e-02	5.7	5.7	7.1	7.1	-134.9	-25.5	-95.6	-1560.2	-176.7	-1091.9
2521	ok	0.09	0.2	4.05e-02	5.7	5.7	7.1	7.1	-141.1	-12.4	-52.5	-876.0	-79.8	422.9
2522	ok	0.09	0.1	3.61e-02	5.7	5.7	7.1	7.1	-132.9	-13.0	-45.0	-662.0	-478.2	285.6
2523	ok	0.09	0.1	3.52e-02	5.7	5.7	7.1	7.1	-110.8	7.9	-44.9	-570.4	-495.2	-63.1
2524	ok	0.09	0.2	3.47e-02	5.7	5.7	7.1	7.1	-96.3	19.3	-41.4	-592.7	-530.5	-203.6
2525	ok	0.09	0.2	3.68e-02	5.7	5.7	7.1	7.1	-91.9	29.4	-50.4	-816.2	-592.1	-439.1
2526	ok	0.09	0.3	4.56e-02	5.7	5.7	7.1	7.1	-94.9	-78.9	-15.3	-1133.4	318.5	-574.2
2527	ok	0.09	0.2	4.11e-02	5.7	5.7	7.1	7.1	-130.2	-14.3	-72.6	-743.6	-476.9	170.9
2528	ok	0.09	0.2	3.79e-02	5.7	5.7	7.1	7.1	-121.5	-10.7	-47.7	-863.3	-586.2	204.7
2529	ok	0.09	0.1	3.70e-02	5.7	5.7	7.1	7.1	-110.5	3.2	-51.1	-717.1	-530.3	-37.3
2530	ok	0.09	0.2	3.63e-02	5.7	5.7	7.1	7.1	-99.2	20.5	-43.4	-774.0	-578.2	-210.9
2531	ok	0.09	0.2	3.77e-02	5.7	5.7	7.1	7.1	-95.5	33.4	-52.9	-1031.3	-720.5	-435.6
2532	ok	0.09	0.3	4.62e-02	5.7	5.7	7.1	7.1	-98.9	-74.6	-17.8	-1274.9	251.6	-480.9
2533	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-127.3	-23.0	-77.9	-812.8	-489.9	119.4
2534	ok	0.09	0.2	3.94e-02	5.7	5.7	7.1	7.1	-118.9	-19.0	-65.5	-813.2	-550.2	60.1
2535	ok	0.09	0.2	3.84e-02	5.7	5.7	7.1	7.1	-158.8	-5.0	-9.8	-733.1	-213.7	-229.9
2536	ok	0.09	0.2	3.75e-02	5.7	5.7	7.1	7.1	-154.9	-5.2	-9.6	-1057.7	-273.9	-379.6
2537	ok	0.09	0.3	3.88e-02	5.7	5.7	7.1	7.1	-146.4	0.3	-48.7	-1481.7	-328.1	-704.6
2538	ok	0.09	0.3	4.64e-02	5.7	5.7	7.1	7.1	-100.8	-83.2	-17.0	-1331.1	216.8	-444.7
2539	ok	0.09	0.2	4.29e-02	5.7	5.7	7.1	7.1	-126.6	-42.9	-84.5	-875.0	-445.1	88.5
2540	ok	0.09	0.2	4.07e-02	5.7	5.7	7.1	7.1	-116.2	-18.5	-68.1	-905.9	-598.4	3.1
2541	ok	0.09	0.2	3.96e-02	5.7	5.7	7.1	7.1	-163.8	-6.3	-9.1	-862.1	-281.3	-234.5
2542	ok	0.09	0.2	3.84e-02	5.7	5.7	7.1	7.1	-158.9	-6.6	-9.2	-1191.8	-333.2	-362.0
2543	ok	0.09	0.3	3.90e-02	5.7	5.7	7.1	7.1	-147.2	-0.8	39.7	-1527.0	-349.5	-325.9
2544	ok	0.09	0.3	4.75e-02	5.7	5.7	7.1	7.1	-149.9	-4.8	-94.8	-2180.7	-499.9	-748.4
2545	ok	0.09	0.2	4.43e-02	5.7	5.7	7.1	7.1	-126.7	-54.2	-87.6	-937.3	-458.9	49.7
2546	ok	0.09	0.2	4.20e-02	5.7	5.7	7.1	7.1	-117.1	-26.2	-70.7	-994.0	-517.5	-25.0
2547	ok	0.09	0.2	4.07e-02	5.7	5.7	7.1	7.1	-168.2	-7.3	-9.0	-970.9	-327.5	-232.4
2548	ok	0.09	0.2	3.93e-02	5.7	5.7	7.1	7.1	-162.2	-7.7	-9.6	-1298.7	-369.1	-339.8
2549	ok	0.09	0.3	4.00e-02	5.7	5.7	7.1	7.1	-94.8	-55.8	12.8	-1022.6	24.5	-372.1
2550	ok	0.09	0.3	4.75e-02	5.7	5.7	7.1	7.1	-103.4	-95.1	-12.5	-1436.5	-126.0	-435.0
2551	ok	0.09	0.2	4.61e-02	5.7	5.7	7.1	7.1	-128.8	-66.8	-89.8	-1005.9	-470.4	16.6
2552	ok	0.09	0.2	4.32e-02	5.7	5.7	7.1	7.1	-120.0	-34.5	-72.4	-1068.9	-529.2	-46.9
2553	ok	0.09	0.2	4.18e-02	5.7	5.7	7.1	7.1	-172.3	-7.9	-9.8	-1060.5	-358.8	-224.9
2554	ok	0.09	0.2	4.01e-02	5.7	5.7	7.1	7.1	-165.1	-8.6	-10.9	-1384.5	-391.5	-311.0
2555	ok	0.09	0.3	4.02e-02	5.7	5.7	7.1	7.1	-93.6	-60.4	11.3	-1022.0	51.2	-325.8
2556	ok	0.09	0.3	4.75e-02	5.7	5.7	7.1	7.1	-99.2	-97.6	-17.4	-1354.9	14.6	-392.1
2557	ok	0.09	0.2	4.83e-02	5.7	5.7	7.1	7.1	-131.4	-67.0	-91.9	-1067.1	-482.9	-34.2
2558	ok	0.09	0.2	4.45e-02	5.7	5.7	7.1	7.1	-125.8	-43.0	-73.4	-1156.5	-531.6	-68.1
2559	ok	0.09	0.2	4.28e-02	5.7	5.7	7.1	7.1	-121.5	-15.7	-56.1	-1262.0	-501.8	-74.4
2560	ok	0.09	0.3	4.08e-02	5.7	5.7	7.1	7.1	-167.6	-9.2	-13.2	-1446.6	-408.1	-278.2
2561	ok	0.09	0.3	4.12e-02	5.7	5.7	7.1	7.1	-107.9	53.1	-58.0	-1451.4	-602.3	-194.5
2562	ok	0.09	0.3	4.75e-02	5.7	5.7	7.1	7.1	-92.2	-98.8	85.1	-1304.1	-557.1	-57.2
2563	ok	0.09	0.2	5.10e-02	5.7	5.7	7.1	7.1	-143.5	-95.7	-90.9	-798.2	-493.4	-42.2
2564	ok	0.09	0.2	4.59e-02	5.7	5.7	7.1	7.1	-136.3	-51.1	-73.5	-911.7	-533.1	-86.5
2565	ok	0.09	0.2	4.39e-02	5.7	5.7	7.1	7.1	-131.7	-16.7	-61.6	-1069.1	-523.6	-108.3

2566	ok	0.09	0.2	4.15e-02	5.7	5.7	7.1	7.1	-124.3	15.3	-48.9	-1151.2	-623.6	-101.1
2567	ok	0.09	0.3	4.15e-02	5.7	5.7	7.1	7.1	-111.4	45.0	-82.8	-1276.6	-678.5	-402.8
2568	ok	0.09	0.3	4.85e-02	5.7	5.7	7.1	7.1	-109.6	87.5	-95.6	-1651.3	-15.3	-293.1
2569	ok	0.09	0.3	5.38e-02	5.7	5.7	7.1	7.1	-156.7	-97.1	-93.7	-852.6	-499.5	-95.7
2570	ok	0.09	0.2	4.74e-02	5.7	5.7	7.1	7.1	-153.2	-57.7	-73.1	-979.6	-536.6	-106.3
2571	ok	0.09	0.2	4.48e-02	5.7	5.7	7.1	7.1	-147.6	-18.1	-63.7	-1115.6	-535.3	-106.1
2572	ok	0.09	0.3	4.20e-02	5.7	5.7	7.1	7.1	-136.5	25.5	-59.7	-1022.3	-258.8	13.6
2573	ok	0.09	0.3	4.25e-02	5.7	5.7	7.1	7.1	-116.8	44.9	-30.7	-1342.1	-684.6	-120.5
2574	ok	0.09	0.3	4.83e-02	5.7	5.7	7.1	7.1	-105.0	99.2	-110.8	-1621.5	-488.3	-487.1
2575	ok	0.09	0.3	5.91e-02	5.7	5.7	7.1	7.1	-198.2	-113.7	-74.8	-302.5	-296.0	136.6
2576	ok	0.09	0.3	5.20e-02	5.7	5.7	7.1	7.1	-177.7	-53.4	-65.9	-987.5	-538.4	-255.2
2577	ok	0.09	0.3	4.76e-02	5.7	5.7	7.1	7.1	-167.0	-7.6	-70.1	-1110.3	-643.7	-229.8
2578	ok	0.09	0.3	4.31e-02	5.7	5.7	7.1	7.1	-144.1	23.0	-57.4	-1005.4	-264.7	27.1
2579	ok	0.09	0.3	4.24e-02	5.7	5.7	7.1	7.1	-132.9	53.5	-60.2	-1287.1	-277.6	87.6
2580	ok	0.09	0.3	4.95e-02	5.7	5.7	7.1	7.1	-113.0	89.2	-109.3	-1671.0	-109.5	-264.8
2581	ok	0.09	0.3	6.80e-02	5.7	5.7	7.1	7.1	-241.4	-120.9	-82.8	-362.3	-226.6	-158.7
2582	ok	0.09	0.3	6.14e-02	5.7	5.7	7.1	7.1	-210.8	-57.4	-77.4	-840.5	-540.4	-197.8
2583	ok	0.09	0.3	5.67e-02	5.7	5.7	7.1	7.1	-191.5	-13.2	-79.5	-1055.3	-524.3	-215.1
2584	ok	0.09	0.3	5.00e-02	5.7	5.7	7.1	7.1	-147.7	25.4	-74.0	-1011.1	-277.2	50.7
2585	ok	0.09	0.3	4.27e-02	5.7	5.7	7.1	7.1	-121.2	57.9	-111.5	-1360.7	-166.6	-146.9
2586	ok	0.09	0.3	5.07e-02	5.7	5.7	7.1	7.1	-112.1	96.1	-119.2	-1616.8	17.7	-236.6
2587	ok	0.09	0.3	8.74e-02	5.7	5.7	7.1	7.1	-309.3	-120.4	-81.7	-351.4	-284.3	-133.7
2588	ok	0.09	0.2	7.58e-02	5.7	5.7	7.1	7.1	-268.7	-45.2	-88.3	-484.2	-304.8	-88.4
2589	ok	0.09	0.2	6.61e-02	5.7	5.7	7.1	7.1	-182.9	3.3	-108.2	-715.0	-208.5	-45.5
2590	ok	0.09	0.2	5.59e-02	5.7	5.7	7.1	7.1	-145.1	24.9	-98.8	-964.2	-207.2	54.5
2591	ok	0.09	0.3	4.62e-02	5.7	5.7	7.1	7.1	-141.3	39.3	-103.9	-1234.4	-210.8	161.0
2592	ok	0.09	0.3	5.68e-02	5.7	5.7	7.1	7.1	-115.4	73.9	-133.8	-1678.5	-507.8	-166.3
2593	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-395.2	-81.8	-234.0	-417.5	-283.6	-199.8
2594	ok	0.09	0.2	8.94e-02	5.7	5.7	7.1	7.1	-271.1	-28.8	-131.1	-555.6	-154.4	-96.6
2595	ok	0.09	0.2	7.20e-02	5.7	5.7	7.1	7.1	-205.6	-8.6	-166.6	-703.9	-259.0	16.8
2596	ok	0.09	0.2	6.10e-02	5.7	5.7	7.1	7.1	-133.6	12.7	-143.4	-969.3	-193.7	127.4
2597	ok	0.09	0.3	4.92e-02	5.7	5.7	7.1	7.1	-135.1	18.5	-125.3	-1217.4	-273.4	202.9
2598	ok	0.09	0.3	5.73e-02	5.7	5.7	7.1	7.1	-86.3	-142.0	16.1	-1175.5	-226.5	-223.1
2599	ok	0.09	0.2	8.15e-02	5.7	5.7	7.1	7.1	-23.6	-95.8	-243.8	-312.4	-276.6	-220.6
2600	ok	0.10	0.3	9.62e-02	8.4	7.3	9.9	8.7	146.0	583.3	210.5	264.3	-202.5	-99.0
2601	ok	0.09	0.2	7.10e-02	5.7	5.7	7.1	7.1	-156.3	-37.8	-182.6	-497.2	-172.7	-44.8
2602	ok	0.09	0.2	6.88e-02	5.7	5.7	7.1	7.1	-153.6	-28.1	-186.8	-662.5	-182.3	75.7
2603	ok	0.09	0.3	6.09e-02	5.7	5.7	7.1	7.1	-111.1	-10.8	-153.9	-855.0	-192.4	-226.3
2604	ok	0.09	0.3	5.09e-02	5.7	5.7	7.1	7.1	-114.1	13.8	-137.3	-1119.8	-248.3	-165.0
2605	ok	0.09	0.3	6.04e-02	5.7	5.7	7.1	7.1	-87.6	-115.1	24.6	-1224.7	-168.7	-290.6
2606	ok	0.09	0.2	5.44e-02	5.7	5.7	7.1	7.1	-25.5	-102.9	-75.0	-213.2	-376.0	-10.2
2607	ok	0.09	0.3	2.87e-02	5.7	5.7	7.1	7.1	5.0	136.0	49.2	65.5	-362.5	-164.0
2608	ok	0.09	0.2	5.48e-02	5.7	5.7	7.1	7.1	-45.2	-34.7	-150.3	-386.4	-114.0	88.2
2609	ok	0.09	0.2	5.81e-02	5.7	5.7	7.1	7.1	-31.6	-9.8	165.4	-757.1	-457.3	9.9
2610	ok	0.09	0.3	5.53e-02	5.7	5.7	7.1	7.1	-56.1	-31.3	144.5	-862.8	-604.7	392.3
2611	ok	0.09	0.3	5.02e-02	5.7	5.7	7.1	7.1	-126.0	-49.6	-33.4	-1640.5	-381.3	-4.4
2612	ok	0.09	0.3	5.87e-02	5.7	5.7	7.1	7.1	-138.4	-74.0	105.4	-1942.4	-263.1	555.0
2613	ok	0.09	0.2	5.42e-02	5.7	5.7	7.1	7.1	-26.7	-64.8	89.5	-258.4	-727.6	352.0
2614	ok	0.09	0.2	2.03e-02	5.7	5.7	7.1	7.1	36.7	189.3	-72.1	148.9	-276.3	-94.2
2615	ok	0.09	0.3	5.61e-02	5.7	5.7	7.1	7.1	-46.8	-14.4	191.8	-558.4	-589.0	435.6
2616	ok	0.09	0.2	6.01e-02	5.7	5.7	7.1	7.1	-83.5	-9.4	191.8	-798.4	-558.5	81.4
2617	ok	0.09	0.3	5.87e-02	5.7	5.7	7.1	7.1	-78.2	-1.9	153.6	-916.3	-444.7	423.4
2618	ok	0.09	0.3	5.27e-02	5.7	5.7	7.1	7.1	-125.4	-51.2	63.8	-1549.3	-386.5	357.2
2619	ok	0.09	0.3	5.75e-02	5.7	5.7	7.1	7.1	-140.6	-65.5	117.2	-2007.2	-430.9	635.5
2620	ok	0.09	0.4	8.28e-02	5.7	5.7	7.1	7.1	-144.8	-46.2	207.3	-589.0	-487.7	634.4
2621	ok	0.10	0.4	8.37e-02	7.4	7.9	8.9	9.3	19.5	-314.9	144.0	162.0	-650.9	673.3
2622	ok	0.09	0.3	7.56e-02	5.7	5.7	7.1	7.1	-169.5	-18.6	204.4	-821.8	-543.9	492.3
2623	ok	0.09	0.3	7.13e-02	5.7	5.7	7.1	7.1	-160.0	8.1	173.6	-854.7	-440.2	146.7
2624	ok	0.09	0.3	6.38e-02	5.7	5.7	7.1	7.1	-131.6	12.1	164.3	-983.2	-450.8	507.8
2625	ok	0.09	0.3	5.35e-02	5.7	5.7	7.1	7.1	-133.0	-38.8	78.1	-1624.6	-365.9	400.5
2626	ok	0.09	0.3	5.38e-02	5.7	5.7	7.1	7.1	-138.5	-55.9	121.3	-1977.1	-269.5	747.6
2627	ok	0.09	0.5	0.1	5.7	5.7	7.1	7.1	-436.3	-32.0	247.2	-1297.9	-446.0	228.5
2628	ok	0.09	0.2	9.40e-02	5.7	5.7	7.1	7.1	-291.2	-15.0	134.0	-724.8	-492.9	272.2
2629	ok	0.09	0.2	7.47e-02	5.7	5.7	7.1	7.1	-227.8	11.5	162.3	-647.7	-264.5	189.1
2630	ok	0.09	0.3	6.28e-02	5.7	5.7	7.1	7.1	-162.5	15.0	165.0	-928.4	-442.4	491.5
2631	ok	0.09	0.3	5.09e-02	5.7	5.7	7.1	7.1	-139.8	-28.6	87.3	-1531.1	-396.9	475.5
2632	ok	0.09	0.3	5.48e-02	5.7	5.7	7.1	7.1	-102.7	56.8	162.6	-1486.4	-645.5	829.6
2633	ok	0.09	0.1	8.60e-02	5.7	5.7	7.1	7.1	-299.2	-75.2	88.0	-554.3	-290.9	135.5
2634	ok	0.09	0.1	7.80e-02	5.7	5.7	7.1	7.1	-292.2	-14.3	78.3	-466.2	-494.2	174.8
2635	ok	0.09	0.2	6.79e-02	5.7	5.7	7.1	7.1	-241.0	15.8	83.4	-647.0	-383.2	224.7
2636	ok	0.09	0.2	5.73e-02	5.7	5.7	7.1	7.1	-155.5	38.5	84.1	-1015.4	-266.1	275.3
2637	ok	0.09	0.3	4.57e-02	5.7	5.7	7.1	7.1	-134.6	43.7	107.7	-1142.0	-431.1	439.2
2638	ok	0.09	0.3	5.44e-02	5.7	5.7	7.1	7.1	-106.3	83.0	144.7	-1504.9	-454.7	698.3
2639	ok	0.09	9.59e-02	6.36e-02	5.7	5.7	7.1	7.1	-224.7	-68.3	88.7	-340.8	-295.2	59.1
2640	ok	0.09	0.2	5.84e-02	5.7	5.7	7.1	7.1	-221.7	-19.3	54.0	-604.3	-478.2	164.8
2641	ok	0.09	0.2	5.43e-02	5.7	5.7	7.1	7.1	-188.2	16.6	56.4	-683.4	-438.9	236.7
2642	ok	0.09	0.2	4.78e-02	5.7	5.7	7.1	7.1	-177.5	32.0	56.4	-991.7	-442.1	304.1

2643	ok	0.09	0.3	4.40e-02	5.7	5.7	7.1	7.1	-114.7	37.6	43.2	-1047.0	-655.0	323.3
2644	ok	0.09	0.3	5.49e-02	5.7	5.7	7.1	7.1	-108.0	78.7	133.7	-1558.3	-618.2	745.4
2645	ok	0.09	0.1	5.54e-02	5.7	5.7	7.1	7.1	-186.2	-35.9	61.3	-204.0	-459.7	47.3
2646	ok	0.09	0.1	4.94e-02	5.7	5.7	7.1	7.1	-181.5	-16.3	44.8	-349.4	-293.2	77.2
2647	ok	0.09	0.2	4.71e-02	5.7	5.7	7.1	7.1	-172.1	18.9	46.3	-542.4	-317.9	147.3
2648	ok	0.09	0.2	4.42e-02	5.7	5.7	7.1	7.1	-155.5	31.8	37.1	-828.0	-568.4	378.0
2649	ok	0.09	0.3	4.37e-02	5.7	5.7	7.1	7.1	-132.6	46.9	40.4	-1250.6	-508.0	489.8
2650	ok	0.09	0.3	5.31e-02	5.7	5.7	7.1	7.1	-105.2	78.4	104.2	-1574.9	-397.7	764.0
2651	ok	0.09	0.2	5.07e-02	5.7	5.7	7.1	7.1	-194.9	-33.3	32.4	86.1	593.1	-121.3
2652	ok	0.09	0.2	4.81e-02	5.7	5.7	7.1	7.1	-188.9	-19.9	31.1	42.0	536.1	-70.6
2653	ok	0.09	0.3	4.60e-02	5.7	5.7	7.1	7.1	-136.6	20.6	29.3	-237.9	-274.0	169.9
2654	ok	0.09	0.3	4.37e-02	5.7	5.7	7.1	7.1	-120.7	40.6	33.4	-503.2	-391.4	354.2
2655	ok	0.09	0.4	4.39e-02	5.7	5.7	7.1	7.1	-123.1	-47.6	9.0	-413.2	1970.1	147.6
2656	ok	0.09	0.4	5.40e-02	5.7	5.7	7.1	7.1	-128.2	-124.1	94.9	-1121.2	1485.6	335.2
2657	ok	0.09	0.3	4.86e-02	5.7	5.7	7.1	7.1	-192.5	-31.1	27.2	213.6	1036.1	127.4
2658	ok	0.09	0.3	4.77e-02	5.7	5.7	7.1	7.1	-187.2	-17.7	-32.5	268.0	1361.1	-202.4
2659	ok	0.09	0.4	4.63e-02	5.7	5.7	7.1	7.1	-179.8	-6.1	-39.1	252.5	1513.4	-194.3
2660	ok	0.09	0.4	4.37e-02	5.7	5.7	7.1	7.1	-169.2	-1.4	-44.9	111.7	1554.1	-160.9
2661	ok	0.09	0.4	4.62e-02	5.7	5.7	7.1	7.1	-107.0	-63.6	-86.1	57.7	3032.9	-323.6
2662	ok	0.09	0.9	5.24e-02	5.9	5.7	8.3	7.1	-59.5	287.3	43.6	-3014.0	-4350.7	194.6
2663	ok	0.09	0.3	5.17e-02	5.7	5.7	7.1	7.1	-132.5	-65.6	-101.5	46.8	385.7	29.9
2664	ok	0.09	0.3	5.06e-02	5.7	5.7	7.1	7.1	-196.7	-9.5	-39.6	138.4	805.7	91.5
2665	ok	0.09	0.3	4.87e-02	5.7	5.7	7.1	7.1	-184.7	0.5	-48.4	65.2	708.6	52.7
2666	ok	0.09	0.3	4.61e-02	5.7	5.7	7.1	7.1	-176.1	5.7	-48.4	-355.3	411.9	-143.2
2667	ok	0.09	0.4	5.00e-02	5.7	5.7	7.1	7.1	-112.0	-3.3	-55.0	-498.8	2509.5	-143.8
2668	ok	0.09	0.6	6.24e-02	5.7	5.7	7.1	7.1	-152.8	-166.6	-102.7	-1031.3	2708.7	-550.8
2669	ok	0.09	0.2	5.73e-02	5.7	5.7	7.1	7.1	-172.4	-122.5	-89.0	-89.3	55.2	36.8
2670	ok	0.09	0.2	5.37e-02	5.7	5.7	7.1	7.1	-177.6	-51.8	-41.0	-184.6	-216.4	-51.2
2671	ok	0.09	0.2	5.11e-02	5.7	5.7	7.1	7.1	-196.9	6.5	-58.0	-256.5	199.5	-142.7
2672	ok	0.09	0.2	4.80e-02	5.7	5.7	7.1	7.1	-179.9	6.2	-63.7	-665.3	-22.8	-332.1
2673	ok	0.09	0.3	4.92e-02	5.7	5.7	7.1	7.1	-169.0	7.2	-68.0	-1474.9	-224.6	-546.4
2674	ok	0.09	0.4	5.66e-02	5.7	5.7	7.1	7.1	-156.0	-4.4	-135.9	-2400.3	-534.5	-929.7
2675	ok	0.09	0.2	6.56e-02	5.7	5.7	7.1	7.1	-242.3	-129.6	-48.7	-151.9	-350.9	-44.2
2676	ok	0.09	0.2	5.83e-02	5.7	5.7	7.1	7.1	-219.1	-56.1	-66.4	-292.2	-528.8	-127.2
2677	ok	0.09	0.2	5.34e-02	5.7	5.7	7.1	7.1	-179.9	-12.3	-77.2	-455.4	-358.6	-136.8
2678	ok	0.09	0.2	4.91e-02	5.7	5.7	7.1	7.1	-177.9	4.9	-74.1	-881.6	-189.1	-373.2
2679	ok	0.09	0.2	5.05e-02	5.7	5.7	7.1	7.1	-161.3	-8.8	-74.3	-1512.7	-277.7	-508.8
2680	ok	0.09	0.3	5.65e-02	5.7	5.7	7.1	7.1	-147.4	-20.4	-138.5	-2189.7	-268.6	-1004.8
2681	ok	0.09	0.1	8.75e-02	5.7	5.7	7.1	7.1	-318.8	-122.6	-88.5	-245.8	-439.5	-192.8
2682	ok	0.09	0.2	7.67e-02	5.7	5.7	7.1	7.1	-273.1	-49.8	-86.1	-318.1	-477.9	-137.2
2683	ok	0.09	0.2	6.65e-02	5.7	5.7	7.1	7.1	-223.0	-20.0	-89.5	-507.7	-461.0	-180.2
2684	ok	0.09	0.2	5.54e-02	5.7	5.7	7.1	7.1	-161.8	-1.9	-76.1	-929.7	-260.4	-337.5
2685	ok	0.09	0.2	5.24e-02	5.7	5.7	7.1	7.1	-155.4	-21.5	-81.4	-1549.6	-336.4	-458.8
2686	ok	0.09	0.3	5.95e-02	5.7	5.7	7.1	7.1	-147.9	-33.2	-146.6	-2193.8	-517.8	-961.4
2687	ok	0.09	0.4	0.1	5.7	5.7	7.1	7.1	-391.8	-89.9	-150.2	-198.3	-475.9	-229.9
2688	ok	0.09	0.3	9.39e-02	5.7	5.7	7.1	7.1	-283.0	-44.2	-130.2	-323.7	-353.3	-138.2
2689	ok	0.09	0.2	7.52e-02	5.7	5.7	7.1	7.1	-220.3	-20.7	-127.7	-509.4	-353.1	-156.8
2690	ok	0.09	0.2	6.27e-02	5.7	5.7	7.1	7.1	-171.8	-5.0	-118.7	-806.7	-292.0	-170.9
2691	ok	0.09	0.2	5.04e-02	5.7	5.7	7.1	7.1	-133.0	-39.9	-96.5	-1543.6	-272.1	-339.7
2692	ok	0.09	0.3	6.55e-02	5.7	5.7	7.1	7.1	-159.2	-69.4	-153.5	-2100.3	-105.3	-927.9
2693	ok	0.09	0.4	6.63e-02	5.7	5.7	7.1	7.1	-85.4	-121.7	-158.3	-95.4	-729.3	-507.4
2694	ok	0.10	0.4	7.09e-02	8.5	7.7	9.9	9.1	123.5	645.9	192.8	171.4	-101.0	-183.6
2695	ok	0.09	0.1	6.50e-02	5.7	5.7	7.1	7.1	-111.5	-48.8	-183.1	-321.9	-375.7	-93.5
2696	ok	0.09	0.2	6.59e-02	5.7	5.7	7.1	7.1	-136.7	-27.9	-159.4	-518.3	-289.8	-104.8
2697	ok	0.09	0.2	6.30e-02	5.7	5.7	7.1	7.1	-102.4	-12.2	-143.1	-759.2	-430.3	-302.4
2698	ok	0.09	0.3	5.45e-02	5.7	5.7	7.1	7.1	-121.3	-63.8	-86.6	-1354.0	-395.9	-302.4
2699	ok	0.09	0.3	6.66e-02	5.7	5.7	7.1	7.1	-145.7	-93.8	-157.5	-2004.2	-447.9	-814.2
2700	ok	0.09	0.3	4.12e-02	5.7	5.7	7.1	7.1	-5.2	117.8	24.1	-145.2	-414.2	-105.8
2701	ok	0.09	0.4	1.07e-02	5.7	5.7	7.1	7.1	3.5	213.7	33.6	46.1	-384.6	-70.2
2702	ok	0.09	0.2	4.60e-02	5.7	5.7	7.1	7.1	-21.5	49.9	80.5	-320.0	-441.2	-90.9
2703	ok	0.09	0.3	5.02e-02	5.7	5.7	7.1	7.1	-58.0	-36.2	-160.7	-494.7	-275.6	15.8
2704	ok	0.09	0.3	5.50e-02	5.7	5.7	7.1	7.1	-79.0	-54.0	-163.7	-716.3	-245.0	23.2
2705	ok	0.09	0.3	5.30e-02	5.7	5.7	7.1	7.1	-114.3	-73.0	0.5	-1463.4	-316.1	92.5
2706	ok	0.09	0.3	6.35e-02	5.7	5.7	7.1	7.1	-131.8	-130.7	-135.3	-1757.4	-124.6	-607.0
2707	ok	0.09	0.2	3.03e-02	5.7	5.7	7.1	7.1	4.3	122.8	103.0	-116.0	-407.2	229.0
2708	ok	0.09	0.2	4.61e-03	5.7	5.7	7.1	7.1	4.7	218.5	29.3	33.7	-396.9	-46.3
2709	ok	0.09	0.2	3.87e-02	5.7	5.7	7.1	7.1	-15.8	53.1	106.2	-344.8	-455.4	226.1
2710	ok	0.09	0.1	4.28e-02	5.7	5.7	7.1	7.1	-59.9	21.8	154.8	-576.5	-473.5	21.5
2711	ok	0.09	0.2	4.82e-02	5.7	5.7	7.1	7.1	-80.5	9.8	147.8	-804.2	-426.2	14.0
2712	ok	0.09	0.3	4.74e-02	5.7	5.7	7.1	7.1	-112.2	-77.6	-21.8	-1293.8	-464.9	-130.9
2713	ok	0.09	0.3	6.57e-02	5.7	5.7	7.1	7.1	-137.4	-116.9	124.8	-1944.0	-543.2	418.1
2714	ok	0.09	0.2	5.68e-02	5.7	5.7	7.1	7.1	21.5	-41.7	220.9	-183.8	-1159.4	241.3
2715	ok	0.10	0.3	4.88e-02	7.4	6.9	8.8	9.4	-41.9	199.3	-32.7	1.1	1015.4	129.6
2716	ok	0.09	0.2	6.03e-02	5.7	5.7	7.1	7.1	-120.5	26.3	188.6	-407.8	-557.4	141.7
2717	ok	0.09	0.2	6.29e-02	5.7	5.7	7.1	7.1	-145.9	33.0	160.4	-609.0	-533.5	120.9
2718	ok	0.09	0.2	5.95e-02	5.7	5.7	7.1	7.1	-138.1	27.4	139.9	-848.6	-484.8	123.2
2719	ok	0.09	0.2	5.17e-02	5.7	5.7	7.1	7.1	-126.6	-59.0	67.0	-1495.4	-340.5	249.6

2720	ok	0.09	0.3	6.19e-02	5.7	5.7	7.1	7.1	-142.9	-111.2	131.7	-1893.7	-132.0	690.1
2721	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-463.3	-0.8	139.3	-357.3	-505.7	291.4
2722	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-329.1	15.6	195.2	-416.2	-534.1	140.3
2723	ok	0.09	0.2	7.67e-02	5.7	5.7	7.1	7.1	-243.1	43.9	111.2	-605.8	-534.1	191.8
2724	ok	0.09	0.2	6.18e-02	5.7	5.7	7.1	7.1	-187.7	40.4	102.2	-837.9	-520.1	221.1
2725	ok	0.09	0.2	4.89e-02	5.7	5.7	7.1	7.1	-129.7	-50.7	74.2	-1362.5	-348.0	461.9
2726	ok	0.09	0.3	6.47e-02	5.7	5.7	7.1	7.1	-164.6	-76.6	143.7	-2196.8	-394.8	805.0
2727	ok	0.09	0.2	9.96e-02	5.7	5.7	7.1	7.1	-390.1	-43.7	48.8	-425.4	-420.7	145.7
2728	ok	0.09	0.2	8.18e-02	5.7	5.7	7.1	7.1	-316.5	43.9	94.1	-415.9	-434.4	133.4
2729	ok	0.09	0.2	6.66e-02	5.7	5.7	7.1	7.1	-248.5	42.0	60.1	-561.3	-519.4	207.4
2730	ok	0.09	0.2	5.37e-02	5.7	5.7	7.1	7.1	-154.5	48.0	69.3	-886.8	-521.6	263.4
2731	ok	0.09	0.2	4.89e-02	5.7	5.7	7.1	7.1	-151.1	-25.2	97.0	-1430.7	-304.1	515.9
2732	ok	0.09	0.3	5.62e-02	5.7	5.7	7.1	7.1	-145.0	-57.4	126.8	-2026.0	-209.8	950.3
2733	ok	0.09	0.3	6.27e-02	5.7	5.7	7.1	7.1	-247.9	-32.7	27.6	-314.9	-391.6	59.7
2734	ok	0.09	0.2	5.75e-02	5.7	5.7	7.1	7.1	-235.1	33.5	28.2	-371.6	-396.1	96.1
2735	ok	0.09	0.2	5.06e-02	5.7	5.7	7.1	7.1	-174.9	50.8	54.0	-617.3	-449.3	164.9
2736	ok	0.09	0.2	4.33e-02	5.7	5.7	7.1	7.1	-167.3	34.4	39.2	-885.9	-508.8	386.0
2737	ok	0.09	0.2	4.57e-02	5.7	5.7	7.1	7.1	-145.1	-18.5	88.0	-1195.8	-248.7	656.7
2738	ok	0.09	0.3	5.61e-02	5.7	5.7	7.1	7.1	-146.8	-37.1	131.2	-2042.9	-361.3	1048.4
2739	ok	0.09	0.1	4.34e-02	5.7	5.7	7.1	7.1	-154.8	-30.7	24.0	-207.9	-664.5	-18.2
2740	ok	0.09	0.1	4.26e-02	5.7	5.7	7.1	7.1	-148.2	16.5	2.2	-387.8	-307.3	31.1
2741	ok	0.09	0.1	4.12e-02	5.7	5.7	7.1	7.1	-138.9	34.5	13.3	-519.1	-377.3	55.6
2742	ok	0.09	0.2	4.02e-02	5.7	5.7	7.1	7.1	-122.5	39.6	30.3	-609.4	-420.0	457.9
2743	ok	0.09	0.2	4.44e-02	5.7	5.7	7.1	7.1	-142.8	-4.4	86.9	-1074.7	-139.4	748.6
2744	ok	0.09	0.3	5.43e-02	5.7	5.7	7.1	7.1	-145.2	-30.2	126.9	-1848.5	-80.4	1195.3
2745	ok	0.09	0.1	3.44e-02	5.7	5.7	7.1	7.1	-127.1	6.1	-7.4	129.8	854.1	-83.3
2746	ok	0.09	0.2	3.50e-02	5.7	5.7	7.1	7.1	-107.4	1.1	30.5	160.1	586.3	-86.9
2747	ok	0.09	0.1	3.58e-02	5.7	5.7	7.1	7.1	-139.0	3.4	32.9	-114.9	253.1	119.0
2748	ok	0.09	0.2	3.58e-02	5.7	5.7	7.1	7.1	-132.1	0.2	42.3	-277.4	131.2	301.2
2749	ok	0.09	0.3	4.26e-02	5.7	5.7	7.1	7.1	-130.8	0.3	91.0	-680.5	-30.1	860.2
2750	ok	0.09	0.4	5.89e-02	5.7	5.7	7.1	7.1	-142.4	-102.5	80.2	-949.8	971.4	716.5
2751	ok	0.09	0.2	4.89e-02	5.7	5.7	7.1	7.1	-173.2	-11.1	-0.1	242.6	1002.0	99.7
2752	ok	0.09	0.2	4.56e-02	5.7	5.7	7.1	7.1	-189.0	-20.2	3.0	194.0	1052.0	98.6
2753	ok	0.09	0.2	3.85e-02	5.7	5.7	7.1	7.1	-144.4	-23.5	36.9	174.5	745.7	263.0
2754	ok	0.09	0.2	3.06e-02	5.7	5.7	7.1	7.1	-112.0	-11.7	41.6	124.3	709.4	411.6
2755	ok	0.09	0.2	3.44e-02	5.7	5.7	7.1	7.1	-73.2	-31.0	47.1	-160.0	1276.4	387.4
2756	ok	0.09	0.3	1.40e-02	5.7	5.7	7.1	7.1	-24.7	-53.6	12.9	-544.8	423.9	424.3

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.10	0.89	0.38	8.49	8.48	9.91	9.43	-1418.13	-625.55	-280.27	-3013.98	-4350.74	-1091.86
								145.97	645.91	415.90	1155.94	3032.91	1195.29

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
316	ok	2.16						
560	ok	2.88						
564	ok	1.69						
568	ok	1.53						
572	ok	1.57						
576	ok	1.53						
580	ok	1.82						
600	ok	1.69						
604	ok	1.89						
608	ok	1.53						
612	ok	1.23						
616	ok	1.09						
620	ok	1.01						
624	ok	1.15						
628	ok	1.32						
632	ok	1.29						
636	ok	1.60						
656	ok	1.72						
660	ok	1.75						
664	ok	1.36						
668	ok	1.16						
672	ok	1.05						
676	ok	0.96						
680	ok	1.04						
684	ok	1.12						
688	ok	1.21						
692	ok	1.35						
696	ok	1.54						
700	ok	1.81						
704	ok	2.18						
708	ok	2.66						

712	ok	3.86						
716	ok Av	4.81	0.15	0.11	4.5	3.1	105.2	72.7
981	ok Av	4.89	0.19	0.01	5.5	0.3	129.9	7.9
982	ok Av	6.16	0.24	4.52e-03	7.0	0.1	163.9	3.1
983	ok Av	6.16	0.24	1.93e-03	7.0	5.59e-02	163.8	1.3
984	ok Av	6.03	0.24	2.49e-03	6.8	7.21e-02	160.4	1.7
985	ok Av	5.13	0.20	0.01	5.8	0.4	136.0	9.0
986	ok	4.06						
987	ok	1.93						
988	ok	1.81						
989	ok	1.69						
990	ok	1.59						
991	ok	1.44						
992	ok	0.94						
993	ok	0.66						
994	ok	0.58						
995	ok	0.49						
996	ok	0.39						
997	ok	0.34						
998	ok	0.36						
999	ok	0.62						
1000	ok	0.62						
1001	ok	0.55						
1002	ok	0.46						
1003	ok	0.33						
1004	ok	0.19						
1005	ok	0.58						
1006	ok	0.55						
1007	ok	0.49						
1008	ok	0.41						
1009	ok	0.31						
1010	ok	0.22						
1011	ok	0.59						
1012	ok	0.52						
1013	ok	0.47						
1014	ok	0.40						
1015	ok	0.32						
1016	ok	0.25						
1017	ok	0.60						
1018	ok	0.52						
1019	ok	0.46						
1020	ok	0.40						
1021	ok	0.33						
1022	ok	0.27						
1023	ok	0.61						
1024	ok	0.52						
1025	ok	0.46						
1026	ok	0.40						
1027	ok	0.34						
1028	ok	0.28						
1029	ok	0.61						
1030	ok	0.52						
1031	ok	0.47						
1032	ok	0.41						
1033	ok	0.35						
1034	ok	0.29						
1035	ok	0.61						
1036	ok	0.53						
1037	ok	0.47						
1038	ok	0.42						
1039	ok	0.36						
1040	ok	0.30						
1041	ok	0.61						
1042	ok	0.54						
1043	ok	0.48						
1044	ok	0.42						
1045	ok	0.37						
1046	ok	0.31						
1047	ok	0.60						
1048	ok	0.54						
1049	ok	0.49						
1050	ok	0.43						
1051	ok	0.38						
1052	ok	0.32						
1053	ok	0.59						
1054	ok	0.55						
1055	ok	0.49						

1056	ok	0.44
1057	ok	0.39
1058	ok	0.34
1059	ok	0.62
1060	ok	0.59
1061	ok	0.52
1062	ok	0.44
1063	ok	0.40
1064	ok	0.36
1065	ok	0.69
1066	ok	0.61
1067	ok	0.44
1068	ok	0.41
1069	ok	0.41
1070	ok	0.61
1071	ok	1.63
1072	ok	1.21
1073	ok	1.24
1074	ok	1.03
1075	ok	0.80
1076	ok	0.67
1539	ok	1.50
1540	ok	1.04
1541	ok	0.84
1542	ok	0.99
1543	ok	1.13
1544	ok	1.24
1845	ok	3.81
1846	ok	4.39
1847	ok	4.61
1848	ok	4.66
1849	ok	4.47
1850	ok	3.98
1911	ok	0.44
1912	ok	0.30
1913	ok	0.26
1914	ok	0.30
1915	ok	0.39
1916	ok	0.47
1917	ok	0.29
1918	ok	0.29
1919	ok	0.24
1920	ok	0.25
1921	ok	0.31
1922	ok	0.37
1923	ok	0.24
1924	ok	0.17
1925	ok	0.15
1926	ok	0.19
1927	ok	0.25
1928	ok	0.30
1929	ok	0.56
1930	ok	0.19
1931	ok	0.20
1932	ok	0.20
1933	ok	0.21
1934	ok	0.29
1935	ok	1.06
1936	ok	0.83
1937	ok	0.80
1938	ok	0.85
1939	ok	0.94
1940	ok	1.25
1941	ok	1.69
1942	ok	0.41
1943	ok	1.29
1944	ok	0.21
1945	ok	1.22
1946	ok	0.17
1947	ok	1.15
1948	ok	0.18
1949	ok	1.06
1950	ok	0.18
1951	ok	0.98
1952	ok	0.27
1953	ok	0.42
1954	ok	0.24

1955	ok	0.19
1956	ok	0.17
1957	ok	0.20
1958	ok	0.24
1959	ok	0.43
1960	ok	0.22
1961	ok	0.17
1962	ok	0.21
1963	ok	0.26
1964	ok	0.30
1965	ok	1.28
1966	ok	1.10
1967	ok	1.04
1968	ok	1.04
1969	ok	1.00
1970	ok	0.91
1971	ok	1.71
1972	ok	0.34
1973	ok	1.48
1974	ok	0.23
1975	ok	1.45
1976	ok	0.26
1977	ok	1.46
1978	ok	0.28
1979	ok	1.48
1980	ok	0.30
1981	ok	1.70
1982	ok	0.41
1983	ok	0.31
1984	ok	0.18
1985	ok	0.17
1986	ok	0.19
1987	ok	0.24
1988	ok	0.28
1989	ok	0.30
1990	ok	0.22
1991	ok	0.20
1992	ok	0.23
1993	ok	0.29
1994	ok	0.34
1995	ok	0.41
1996	ok	0.24
1997	ok	0.24
1998	ok	0.31
1999	ok	0.40
2000	ok	0.48
2018	ok	3.44
2088	ok	1.37
2139	ok	3.20
2140	ok	1.91
2141	ok	0.52
2142	ok	0.28
2143	ok	0.26
2144	ok	0.25
2145	ok	0.25
2146	ok	0.24
2147	ok	0.24
2148	ok	0.23
2149	ok	0.23
2150	ok	0.24
2151	ok	0.24
2152	ok	0.26
2153	ok	0.35
2154	ok	0.63
2155	ok	0.60
2156	ok	0.42
2157	ok	0.37
2158	ok	0.57
2159	ok	2.77
2160	ok	2.21
2161	ok	0.63
2162	ok	0.39
2163	ok	0.46
2164	ok	0.59
2165	ok	0.76
2166	ok	0.37
2167	ok	0.31

2168	ok	0.38						
2169	ok	1.85						
2503	ok	1.93						
2504	ok	1.22						
2505	ok	1.09						
2506	ok	1.38						
2507	ok	2.42						
2508	ok Av	6.46	0.04	0.25	1.1	7.3	24.8	169.9
2509	ok	0.88						
2510	ok	0.79						
2511	ok	0.75						
2512	ok	1.10						
2513	ok	2.09						
2514	ok Av	6.11	0.02	0.24	0.5	6.9	11.5	162.3
2515	ok	0.60						
2516	ok	0.66						
2517	ok	0.69						
2518	ok	1.12						
2519	ok	1.26						
2520	ok	4.42						
2521	ok	0.43						
2522	ok	0.52						
2523	ok	0.61						
2524	ok	0.83						
2525	ok	1.17						
2526	ok	3.42						
2527	ok	0.33						
2528	ok	0.42						
2529	ok	0.46						
2530	ok	0.61						
2531	ok	1.04						
2532	ok	2.73						
2533	ok	0.28						
2534	ok	0.32						
2535	ok	0.37						
2536	ok	0.53						
2537	ok	1.00						
2538	ok	2.80						
2539	ok	0.23						
2540	ok	0.26						
2541	ok	0.35						
2542	ok	0.38						
2543	ok	1.73						
2544	ok Av	4.80	0.07	0.17	2.1	5.0	48.4	118.1
2545	ok	0.23						
2546	ok	0.26						
2547	ok	0.30						
2548	ok	0.65						
2549	ok	0.85						
2550	ok	3.84						
2551	ok	0.22						
2552	ok	0.26						
2553	ok	0.37						
2554	ok	0.39						
2555	ok	0.99						
2556	ok	2.73						
2557	ok	0.23						
2558	ok	0.26						
2559	ok	0.29						
2560	ok	0.58						
2561	ok	0.72						
2562	ok	2.51						
2563	ok	0.23						
2564	ok	0.25						
2565	ok	0.38						
2566	ok	0.39						
2567	ok	1.20						
2568	ok	2.79						
2569	ok	0.22						
2570	ok	0.27						
2571	ok	0.29						
2572	ok	0.61						
2573	ok	0.71						
2574	ok	2.31						
2575	ok	0.22						
2576	ok	0.25						
2577	ok	0.40						

2578	ok	0.43							
2579	ok	0.98							
2580	ok	2.88							
2581	ok	0.20							
2582	ok	0.28							
2583	ok	0.30							
2584	ok	0.72							
2585	ok	0.82							
2586	ok	3.67							
2587	ok	0.21							
2588	ok	0.24							
2589	ok	0.43							
2590	ok	0.44							
2591	ok	1.82							
2592	ok Av	5.01	0.08	0.18	2.2	5.2	52.6	122.3	
2593	ok	1.30							
2594	ok	0.27							
2595	ok	0.27							
2596	ok	0.73							
2597	ok	1.01							
2598	ok	4.69							
2599	ok	0.78							
2600	ok	1.21							
2601	ok	0.23							
2602	ok	0.36							
2603	ok	0.36							
2604	ok	1.07							
2605	ok	3.99							
2606	ok	0.34							
2607	ok	0.35							
2608	ok	0.23							
2609	ok	0.25							
2610	ok	0.55							
2611	ok	0.89							
2612	ok	3.66							
2613	ok	0.30							
2614	ok	0.98							
2615	ok	0.25							
2616	ok	0.30							
2617	ok	0.30							
2618	ok	1.10							
2619	ok	3.80							
2620	ok	0.57							
2621	ok	2.04							
2622	ok	0.31							
2623	ok	0.26							
2624	ok	0.52							
2625	ok	0.82							
2626	ok	3.23							
2627	ok	1.33							
2628	ok	0.29							
2629	ok	0.28							
2630	ok	0.41							
2631	ok	0.97							
2632	ok	3.16							
2633	ok	0.34							
2634	ok	0.35							
2635	ok	0.40							
2636	ok	0.41							
2637	ok	0.95							
2638	ok	2.61							
2639	ok	0.39							
2640	ok	0.46							
2641	ok	0.51							
2642	ok	0.72							
2643	ok	0.56							
2644	ok	2.66							
2645	ok	0.47							
2646	ok	0.54							
2647	ok	0.67							
2648	ok	1.01							
2649	ok	0.99							
2650	ok	3.63							
2651	ok	0.67							
2652	ok	0.80							
2653	ok	0.99							
2654	ok	1.48							

2655	ok	2.22						
2656	ok Av	4.99	0.06	0.19	1.7	5.4	39.2	126.8
2657	ok	1.50						
2658	ok	1.72						
2659	ok	2.04						
2660	ok	2.49						
2661	ok	2.73						
2662	ok Av	8.90	0.08	0.34	2.4	9.9	55.9	230.9
2663	ok	0.66						
2664	ok	0.74						
2665	ok	0.95						
2666	ok	1.31						
2667	ok	2.54						
2668	ok Av	6.06	0.04	0.23	1.3	6.8	30.2	158.8
2669	ok	0.51						
2670	ok	0.58						
2671	ok	0.66						
2672	ok	1.13						
2673	ok	0.99						
2674	ok Av	5.44	0.05	0.21	1.5	6.0	34.9	141.0
2675	ok	0.43						
2676	ok	0.49						
2677	ok	0.59						
2678	ok	0.78						
2679	ok	1.08						
2680	ok	3.84						
2681	ok	0.37						
2682	ok	0.41						
2683	ok	0.43						
2684	ok	0.63						
2685	ok	0.93						
2686	ok	2.83						
2687	ok	0.91						
2688	ok	0.33						
2689	ok	0.37						
2690	ok	0.45						
2691	ok	1.14						
2692	ok	3.55						
2693	ok	0.37						
2694	ok	1.35						
2695	ok	0.28						
2696	ok	0.26						
2697	ok	0.40						
2698	ok	0.92						
2699	ok	3.46						
2700	ok	0.22						
2701	ok	0.65						
2702	ok	0.20						
2703	ok	0.24						
2704	ok	0.58						
2705	ok	0.92						
2706	ok	3.69						
2707	ok	0.20						
2708	ok	0.36						
2709	ok	0.20						
2710	ok	0.27						
2711	ok	0.33						
2712	ok	1.27						
2713	ok	4.21						
2714	ok	0.36						
2715	ok	0.99						
2716	ok	0.22						
2717	ok	0.26						
2718	ok	0.59						
2719	ok	0.89						
2720	ok	3.28						
2721	ok	0.84						
2722	ok	0.24						
2723	ok	0.29						
2724	ok	0.42						
2725	ok	1.06						
2726	ok	3.13						
2727	ok	0.29						
2728	ok	0.28						
2729	ok	0.33						
2730	ok	0.43						
2731	ok	0.75						

2732	ok	2.15
2733	ok	0.33
2734	ok	0.36
2735	ok	0.40
2736	ok	0.54
2737	ok	0.54
2738	ok	1.71
2739	ok	0.40
2740	ok	0.44
2741	ok	0.49
2742	ok	0.78
2743	ok	0.87
2744	ok	2.34
2745	ok	0.62
2746	ok	0.62
2747	ok	0.69
2748	ok	0.83
2749	ok	1.58
2750	ok	3.60
2751	ok	2.35
2752	ok	1.75
2753	ok	1.65
2754	ok	2.09
2755	ok	1.98
2756	ok	4.08

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	8.90	0.24	0.34	7.00	9.86	163.86	230.90

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
19	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
795	ok	0.13	0.3	0.3	13.0	16.5	7.5	11.1	-1479.9	-382.5	-239.0	-72.2	-325.6	-505.5
796	ok	0.09	0.3	6.95e-02	5.7	5.7	7.1	7.1	-150.9	-39.3	184.6	-895.8	-337.2	548.7
800	ok	0.16	0.4	0.3	13.5	23.7	8.3	12.7	-1425.5	-299.7	215.4	-1693.3	-491.3	658.1
1077	ok	0.15	0.4	0.3	14.0	22.2	9.5	10.6	-1372.2	-102.8	182.7	-1773.4	-168.8	359.6
1078	ok	0.09	0.3	8.65e-02	5.7	5.7	7.1	7.1	-81.9	123.8	-222.1	1145.5	142.3	-70.7
1079	ok	0.11	0.3	0.2	9.6	11.8	9.1	8.6	-928.6	-111.9	191.5	-293.0	-49.5	-50.6
1080	ok	0.09	0.1	7.25e-02	5.7	5.7	7.1	7.1	-99.3	47.3	-204.0	613.9	22.9	116.5
1081	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-297.0	-45.6	-193.9	-63.4	-45.5	121.4
1082	ok	0.09	0.1	6.86e-02	5.7	5.7	7.1	7.1	-98.1	2.9	-203.8	361.6	38.6	135.0
1083	ok	0.10	0.3	0.2	7.4	9.6	8.0	8.5	-802.0	-105.0	-193.7	-315.5	-41.2	86.6
1084	ok	0.09	0.2	7.34e-02	5.7	5.7	7.1	7.1	-74.2	40.0	-200.3	-318.1	-32.4	72.9
1085	ok	0.12	0.3	0.3	12.3	15.9	8.2	9.2	-1223.7	-70.7	-160.5	-686.5	-94.7	-18.2
1086	ok	0.09	0.2	8.52e-02	5.7	5.7	7.1	7.1	-146.9	124.1	170.1	567.5	9.4	101.0
1087	ok	0.12	0.3	0.3	11.0	15.2	7.3	8.5	-1335.1	-294.2	-234.6	-699.4	-151.6	-52.5
1088	ok	0.09	0.2	8.72e-02	5.7	5.7	7.1	7.1	-131.7	-208.9	189.4	674.5	128.7	-13.1
1089	ok	0.12	0.3	0.3	13.7	15.6	7.9	9.7	-892.8	-17.2	-193.7	654.9	72.3	63.6
1090	ok	0.10	0.3	0.2	9.5	8.0	8.1	8.0	-893.2	-106.9	-189.9	705.1	20.1	50.4
1091	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-385.7	-53.2	-190.9	393.0	39.9	16.0
1092	ok	0.11	0.4	0.2	11.5	10.3	11.3	8.0	-844.1	-96.2	182.2	1226.8	22.8	38.4
1093	ok	0.13	0.4	0.3	19.9	17.1	14.3	9.9	-810.3	-6.7	186.5	1260.8	-7.9	35.3
1094	ok	0.13	0.4	0.3	20.1	18.2	12.2	9.8	-1368.1	-459.2	241.1	805.7	157.9	-160.3

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
								-1479.92	-459.22	-239.04	-1773.43	-491.28	-505.50
	0.16	0.39	0.32	20.12	23.73	14.25	12.69	-74.22	124.08	241.08	1260.77	157.94	658.09

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
795	ok	2.26						
796	ok	1.97						
800	ok	2.75						
1077	ok	1.51						
1078	ok	0.60						
1079	ok	0.59						

1080	ok	0.58
1081	ok	0.55
1082	ok	0.44
1083	ok	0.49
1084	ok	0.44
1085	ok	0.44
1086	ok	0.45
1087	ok	0.44
1088	ok	0.36
1089	ok	1.82
1090	ok	1.39
1091	ok	1.37
1092	ok	1.27
1093	ok	1.33
1094	ok	1.50

Nodo	Max tau 2.75	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
20	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
7	ok	0.14	0.3	0.3	11.2	18.9	8.6	15.8	-1200.7	-554.3	-303.3	214.0	-421.8	-548.8
8	ok	0.10	0.3	0.1	5.7	8.4	7.1	9.8	-300.2	-367.8	-254.4	-106.7	-506.0	-446.3
12	ok	0.09	0.1	8.63e-02	5.7	5.7	7.1	7.1	-240.7	167.7	215.8	-342.5	28.8	622.8
16	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-646.2	59.8	136.3	-1108.9	-446.7	423.1
1095	ok	0.09	0.3	0.2	5.7	6.5	7.1	7.6	-624.9	-8.1	135.6	-546.2	-28.0	269.9
1096	ok	0.09	0.1	8.91e-02	5.7	5.7	7.1	7.1	-43.8	-55.2	-204.4	58.7	-327.4	-553.6
1097	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-222.0	8.5	222.6	-113.4	-58.2	-55.7
1098	ok	0.09	0.1	9.39e-02	5.7	5.7	7.1	7.1	-62.0	25.4	-274.1	-53.6	-228.2	-387.5
1099	ok	0.09	0.1	9.36e-02	5.7	5.7	7.1	7.1	-221.0	-22.9	-250.5	-153.6	-263.3	277.0
1100	ok	0.09	0.1	7.91e-02	5.7	5.7	7.1	7.1	-101.8	-0.4	-261.1	-82.8	-201.4	-377.4
1101	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-380.6	-36.1	-222.0	-211.7	-170.0	235.7
1102	ok	0.09	0.1	8.60e-02	5.7	5.7	7.1	7.1	-157.2	-27.8	-259.9	-88.8	-193.9	-325.8
1103	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-364.5	7.4	-221.7	-150.1	-335.7	171.3
1104	ok	0.09	0.1	7.54e-02	5.7	5.7	7.1	7.1	-170.8	52.3	-184.4	-71.7	-266.2	-278.0
1105	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-479.5	6.2	-151.9	-232.4	-350.2	50.1
1106	ok	0.09	0.1	6.47e-02	5.7	5.7	7.1	7.1	-39.7	-157.6	164.3	-53.0	-153.9	241.7
1107	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-291.1	-112.5	-199.1	-68.0	-201.5	-677.0
1108	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-185.1	-0.2	-251.9	-130.1	-146.0	-456.3
1109	ok	0.09	0.1	9.37e-02	5.7	5.7	7.1	7.1	-184.6	-15.1	-252.8	-95.5	-113.4	-426.0
1110	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-370.8	-31.0	255.3	-78.4	-47.8	263.9
1111	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-273.7	57.3	263.6	-93.5	-100.1	218.7
1112	ok	0.09	0.3	0.1	6.5	5.8	7.9	7.2	-308.5	-214.3	177.4	63.4	-65.4	207.2
1113	ok	0.12	0.3	0.2	11.9	14.5	9.4	11.7	-1076.3	-84.3	-250.1	-565.3	-156.9	-726.6
1114	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-228.7	11.4	-115.7	-182.3	-46.3	-317.2
1115	ok	0.09	9.52e-02	8.69e-02	5.7	5.7	7.1	7.1	-239.8	-28.5	-116.0	-159.1	-20.2	-280.9
1116	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-617.3	-53.7	125.3	-75.2	35.0	171.1
1117	ok	0.11	0.2	0.3	13.4	12.6	10.6	10.5	-1129.0	-96.0	250.3	14.8	107.7	113.5
1118	ok	0.11	0.2	0.3	14.1	13.7	13.0	10.7	-1254.6	-540.2	286.6	246.2	10.8	178.4
Nodo		x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
		0.14	0.35	0.28	14.06	18.95	13.01	15.79	-1254.57	-554.30	-303.28	-1108.89	-505.96	-726.56
									-39.72	167.75	286.56	246.24	107.68	622.81

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
7	ok	2.84						
8	ok	2.76						
12	ok	2.94						
16	ok Av	5.59	0.21	0.05	6.2	1.4	145.0	32.9
1095	ok Av	6.17	0.24	9.28e-03	7.0	0.3	164.1	6.3
1096	ok	1.19						
1097	ok Av	6.96	0.27	4.51e-03	7.9	0.1	185.2	3.1
1098	ok	1.20						
1099	ok Av	6.96	0.27	5.17e-03	7.9	0.2	185.2	3.5

1100	ok	1.23						
1101	ok Av	6.88	0.27	9.86e-03	7.8	0.3	183.1	6.7
1102	ok	1.22						
1103	ok Av	6.12	0.24	0.01	6.9	0.3	162.7	7.7
1104	ok	1.15						
1105	ok	4.82						
1106	ok	0.98						
1107	ok	0.81						
1108	ok	0.47						
1109	ok	0.41						
1110	ok	0.38						
1111	ok	0.56						
1112	ok	0.75						
1113	ok	1.52						
1114	ok	1.33						
1115	ok	1.14						
1116	ok	1.12						
1117	ok	1.86						
1118	ok	2.31						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	6.96	0.27	0.05	7.91	1.41	185.18	32.92

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
13	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
16	ok	0.09	0.3	9.78e-02	5.7	5.7	7.1	7.1	-350.7	-46.6	77.6	503.5	136.4	276.3
20	ok	0.09	0.2	8.28e-02	5.7	5.7	7.1	7.1	-286.7	3.1	-119.3	-622.8	-352.7	5.4
24	ok	0.09	0.2	7.57e-02	5.7	5.7	7.1	7.1	-241.6	-32.5	-144.7	-539.4	-412.3	-157.7
28	ok	0.09	0.2	6.95e-02	5.7	5.7	7.1	7.1	-203.9	-61.7	-136.5	-474.6	-87.9	-172.3
32	ok	0.09	0.2	6.56e-02	5.7	5.7	7.1	7.1	-186.5	-55.1	-123.4	-330.5	-66.5	-151.7
36	ok	0.09	0.2	6.30e-02	5.7	5.7	7.1	7.1	-171.3	-32.6	-135.6	-841.8	-202.3	-241.1
40	ok	0.09	0.2	6.16e-02	5.7	5.7	7.1	7.1	-176.2	-30.1	-135.8	-863.0	-196.3	-213.7
44	ok	0.09	0.2	6.07e-02	5.7	5.7	7.1	7.1	-188.1	-8.9	-113.2	-321.3	-87.3	-102.8
48	ok	0.09	0.2	5.91e-02	5.7	5.7	7.1	7.1	-172.2	-1.3	-129.1	-909.7	-116.5	-161.9
52	ok	0.09	0.3	5.70e-02	5.7	5.7	7.1	7.1	-170.2	-1.3	-126.4	-926.5	-120.5	-128.7
56	ok	0.09	0.3	5.56e-02	5.7	5.7	7.1	7.1	-186.1	18.1	-102.4	-339.2	-107.8	-58.6
60	ok	0.09	0.3	6.42e-02	5.7	5.7	7.1	7.1	-126.7	-125.5	143.6	-47.9	-54.1	91.1
64	ok	0.09	0.3	7.57e-02	5.7	5.7	7.1	7.1	-186.6	-151.6	147.1	-216.8	-104.0	-226.6
68	ok	0.09	0.3	9.60e-02	5.7	5.7	7.1	7.1	-261.4	-200.4	167.7	-513.8	-175.3	137.8
72	ok	0.09	0.4	0.1	5.7	5.7	7.1	7.1	-352.4	-276.7	180.6	-559.9	-337.5	224.2
76	ok	0.09	0.8	0.3	6.1	5.7	7.2	7.1	-1039.2	-369.7	238.8	181.0	-295.5	290.5
83	ok	0.09	0.2	0.3	5.7	5.7	7.1	7.1	-1027.4	-395.4	-273.7	-525.1	-199.7	-207.7
84	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-278.4	-265.4	-212.1	-491.4	-259.2	-160.5
88	ok	0.09	0.1	9.29e-02	5.7	5.7	7.1	7.1	-218.5	-174.5	-191.9	-256.8	-100.6	-178.5
92	ok	0.09	0.1	7.46e-02	5.7	5.7	7.1	7.1	-150.6	-125.2	-174.6	-260.9	-82.2	-189.5
96	ok	0.09	0.1	6.35e-02	5.7	5.7	7.1	7.1	-130.3	-93.7	-153.3	-354.9	-173.6	-196.9
100	ok	0.09	0.1	6.51e-02	5.7	5.7	7.1	7.1	-123.2	-122.2	150.8	-400.6	-314.8	119.3
320	ok	0.09	0.1	7.58e-02	5.7	5.7	7.1	7.1	-144.9	-126.5	151.2	-471.8	-305.8	285.7
324	ok	0.09	0.2	9.54e-02	5.7	5.7	7.1	7.1	-205.2	-223.3	186.8	-357.8	-153.3	219.7
328	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-281.4	-308.1	222.5	-422.2	-199.5	207.9
332	ok	0.09	0.1	0.2	5.7	5.7	7.1	7.1	-336.5	-448.7	278.7	-681.6	-413.0	249.6
336	ok	0.09	0.2	0.4	5.7	5.7	7.1	7.1	-1402.5	-618.9	412.8	-692.0	-325.4	327.8
343	ok	0.09	0.4	0.3	5.7	5.9	7.1	7.3	-951.0	-371.4	-240.3	-228.1	-208.8	-300.8
344	ok	0.09	0.5	9.69e-02	6.8	5.7	8.3	7.1	-220.4	-233.9	-168.4	2496.0	-298.7	-224.0
348	ok	0.09	0.3	6.40e-02	5.7	5.7	7.1	7.1	-191.5	114.3	158.4	-465.6	257.3	353.2
352	ok	0.09	0.3	7.15e-02	5.7	5.7	7.1	7.1	-243.8	49.5	134.5	-534.1	-40.0	389.8
356	ok	0.09	0.2	7.76e-02	5.7	5.7	7.1	7.1	-275.0	52.9	127.7	-539.1	-68.0	346.2
360	ok	0.09	0.1	8.54e-02	5.7	5.7	7.1	7.1	-336.2	39.7	84.6	-675.8	-168.5	105.0
1095	ok	0.09	0.2	8.14e-02	5.7	5.7	7.1	7.1	-332.2	5.0	43.5	884.7	34.1	141.3
1097	ok	0.09	0.2	7.04e-02	5.7	5.7	7.1	7.1	-237.1	-10.7	110.5	750.4	-42.5	-155.3
1099	ok	0.09	0.1	5.84e-02	5.7	5.7	7.1	7.1	-148.1	-5.3	-151.0	526.6	-206.1	356.3
1101	ok	0.09	0.2	6.62e-02	5.7	5.7	7.1	7.1	-138.2	9.0	-149.6	520.2	-330.9	319.9
1103	ok	0.09	0.2	6.96e-02	5.7	5.7	7.1	7.1	-247.9	-5.2	-108.5	881.5	-285.4	194.6
1105	ok	0.09	0.2	6.87e-02	5.7	5.7	7.1	7.1	-245.3	-1.9	-106.9	932.2	-374.4	34.6
1119	ok	0.09	0.2	7.46e-02	5.7	5.7	7.1	7.1	-193.0	7.2	-134.8	-453.1	-250.1	-201.0
1120	ok	0.09	0.1	6.17e-02	5.7	5.7	7.1	7.1	-195.3	-4.4	96.3	517.2	-127.3	-323.4
1121	ok	0.09	0.1	5.68e-02	5.7	5.7	7.1	7.1	-166.4	4.8	-120.1	-50.8	-3.7	-317.7

1122	ok	0.09	0.1	5.93e-02	5.7	5.7	7.1	7.1	-168.9	-10.5	-110.9	438.2	-117.1	-391.9
1123	ok	0.09	0.2	5.70e-02	5.7	5.7	7.1	7.1	-187.1	-16.0	-97.6	619.1	-144.1	-423.0
1124	ok	0.09	0.1	5.55e-02	5.7	5.7	7.1	7.1	-184.7	-15.2	-94.1	674.0	-198.0	-440.0
1125	ok	0.09	0.2	7.20e-02	5.7	5.7	7.1	7.1	-192.5	-8.1	-147.2	-496.6	-181.2	-151.8
1126	ok	0.09	0.1	6.36e-02	5.7	5.7	7.1	7.1	-188.6	-4.7	-134.1	-347.0	-100.0	-198.7
1127	ok	0.09	0.1	5.84e-02	5.7	5.7	7.1	7.1	-175.5	-1.5	-128.1	-81.1	33.2	-267.2
1128	ok	0.09	0.1	5.49e-02	5.7	5.7	7.1	7.1	-146.7	-8.4	-117.1	507.1	-98.5	-387.7
1129	ok	0.09	0.2	5.23e-02	5.7	5.7	7.1	7.1	-154.4	-10.6	-101.5	685.8	-104.3	-426.3
1130	ok	0.09	0.2	4.89e-02	5.7	5.7	7.1	7.1	-152.5	-9.1	-100.3	752.4	-137.2	-427.7
1131	ok	0.09	0.2	6.73e-02	5.7	5.7	7.1	7.1	-212.7	-29.7	-130.6	-400.0	-82.6	-34.6
1132	ok	0.09	0.1	6.34e-02	5.7	5.7	7.1	7.1	-187.8	-9.4	-139.4	-352.0	-61.4	-117.7
1133	ok	0.09	8.84e-02	5.98e-02	5.7	5.7	7.1	7.1	-178.0	-7.1	-130.7	-112.1	46.3	-171.1
1134	ok	0.09	8.70e-02	5.64e-02	5.7	5.7	7.1	7.1	-152.5	-6.0	-118.4	115.7	134.3	-205.4
1135	ok	0.09	0.1	5.23e-02	5.7	5.7	7.1	7.1	-138.2	-19.8	-93.4	607.7	22.1	-372.8
1136	ok	0.09	0.2	4.98e-02	5.7	5.7	7.1	7.1	-138.1	-20.7	-91.6	691.6	34.6	-383.4
1137	ok	0.09	0.2	6.48e-02	5.7	5.7	7.1	7.1	-190.7	-31.0	-128.7	-318.1	-55.9	-26.0
1138	ok	0.09	0.1	6.33e-02	5.7	5.7	7.1	7.1	-172.6	-10.3	-143.2	-248.0	-7.3	-152.4
1139	ok	0.09	8.68e-02	6.11e-02	5.7	5.7	7.1	7.1	-177.5	-12.0	-137.1	-143.4	24.6	-175.6
1140	ok	0.09	0.1	5.80e-02	5.7	5.7	7.1	7.1	-153.2	-11.6	-122.7	138.0	148.0	-186.8
1141	ok	0.09	0.1	5.46e-02	5.7	5.7	7.1	7.1	-155.3	-18.5	-118.4	233.0	213.2	-196.8
1142	ok	0.09	0.2	5.13e-02	5.7	5.7	7.1	7.1	-147.8	-20.5	-109.2	418.5	286.8	-198.1
1143	ok	0.09	0.2	6.29e-02	5.7	5.7	7.1	7.1	-173.1	-18.2	-145.1	-380.9	-51.8	-131.8
1144	ok	0.09	0.2	6.30e-02	5.7	5.7	7.1	7.1	-180.9	-13.9	-142.7	-500.4	-28.5	-137.8
1145	ok	0.09	8.58e-02	6.20e-02	5.7	5.7	7.1	7.1	-176.6	-15.6	-141.2	-156.5	41.3	-161.5
1146	ok	0.09	0.1	5.95e-02	5.7	5.7	7.1	7.1	-152.3	-16.5	-127.6	134.6	148.2	-160.3
1147	ok	0.09	0.1	5.67e-02	5.7	5.7	7.1	7.1	-141.6	-22.6	-116.2	266.5	231.0	-175.6
1148	ok	0.09	0.1	5.26e-02	5.7	5.7	7.1	7.1	-144.6	-28.9	-114.5	380.2	306.4	-161.2
1149	ok	0.09	0.2	6.18e-02	5.7	5.7	7.1	7.1	-180.4	-13.3	-135.8	-799.5	-94.7	-176.2
1150	ok	0.09	0.2	6.27e-02	5.7	5.7	7.1	7.1	-180.5	-12.1	-142.5	-502.9	-23.2	-131.0
1151	ok	0.09	8.50e-02	6.28e-02	5.7	5.7	7.1	7.1	-176.5	-17.4	-144.6	-163.5	52.5	-147.3
1152	ok	0.09	0.1	6.14e-02	5.7	5.7	7.1	7.1	-151.7	-20.3	-132.6	128.1	148.9	-135.6
1153	ok	0.09	0.1	5.88e-02	5.7	5.7	7.1	7.1	-142.5	-34.8	-127.1	269.5	209.4	-159.8
1154	ok	0.09	0.1	5.49e-02	5.7	5.7	7.1	7.1	-147.4	-46.6	-122.6	397.5	287.1	-155.4
1155	ok	0.09	0.2	6.11e-02	5.7	5.7	7.1	7.1	-184.0	-7.3	-126.2	-348.1	-72.7	-34.4
1156	ok	0.09	0.2	6.26e-02	5.7	5.7	7.1	7.1	-181.3	-7.7	-142.4	-504.0	-24.7	-119.2
1157	ok	0.09	0.1	6.35e-02	5.7	5.7	7.1	7.1	-177.9	-18.9	-143.0	-164.2	70.7	-107.3
1158	ok	0.09	0.1	6.31e-02	5.7	5.7	7.1	7.1	-152.5	-27.5	-143.4	121.5	125.3	-132.9
1159	ok	0.09	0.2	6.11e-02	5.7	5.7	7.1	7.1	-143.3	-42.2	-132.6	273.4	220.6	-130.4
1160	ok	0.09	0.2	5.74e-02	5.7	5.7	7.1	7.1	-149.1	-57.4	-128.8	414.5	300.3	-122.2
1161	ok	0.09	0.2	6.02e-02	5.7	5.7	7.1	7.1	-181.6	-1.5	-130.5	-821.7	-74.1	-156.8
1162	ok	0.09	0.1	6.23e-02	5.7	5.7	7.1	7.1	-180.4	-4.49e-02	-142.1	-245.1	-97.2	90.6
1163	ok	0.09	0.1	6.49e-02	5.7	5.7	7.1	7.1	-174.1	-13.4	-144.0	-187.4	-51.4	87.0
1164	ok	0.09	0.1	6.48e-02	5.7	5.7	7.1	7.1	-172.1	-31.3	-146.8	63.3	141.5	-83.1
1165	ok	0.09	0.2	6.34e-02	5.7	5.7	7.1	7.1	-145.9	-49.4	-137.7	278.8	227.3	-102.8
1166	ok	0.09	0.2	6.01e-02	5.7	5.7	7.1	7.1	-152.4	-69.1	-134.7	432.1	309.6	-91.6
1167	ok	0.09	0.2	5.95e-02	5.7	5.7	7.1	7.1	-181.7	6.7	-123.9	-823.8	-186.1	-108.2
1168	ok	0.09	0.1	6.29e-02	5.7	5.7	7.1	7.1	-184.5	-0.8	-138.3	-245.8	-69.4	131.5
1169	ok	0.09	0.1	6.56e-02	5.7	5.7	7.1	7.1	-179.3	-12.3	-141.9	-192.9	-49.3	132.9
1170	ok	0.09	0.1	6.63e-02	5.7	5.7	7.1	7.1	-171.9	-28.4	-139.5	-137.2	-39.4	135.2
1171	ok	0.09	0.2	6.57e-02	5.7	5.7	7.1	7.1	-150.1	-49.3	-137.7	287.4	235.7	-58.0
1172	ok	0.09	0.2	6.33e-02	5.7	5.7	7.1	7.1	-158.1	-81.4	-140.0	451.9	315.7	-63.9
1173	ok	0.09	0.2	5.89e-02	5.7	5.7	7.1	7.1	-187.5	20.6	-123.8	-305.8	-93.8	135.8
1174	ok	0.09	0.1	6.27e-02	5.7	5.7	7.1	7.1	-113.1	-74.9	142.8	-199.1	-133.7	-153.2
1175	ok	0.09	0.2	6.57e-02	5.7	5.7	7.1	7.1	-185.6	-7.3	-142.6	-201.1	-58.4	133.3
1176	ok	0.09	0.2	6.73e-02	5.7	5.7	7.1	7.1	-182.3	-28.6	-142.6	-148.0	-45.8	135.1
1177	ok	0.09	0.2	6.78e-02	5.7	5.7	7.1	7.1	-174.9	-53.0	-135.0	-84.4	10.6	137.5
1178	ok	0.09	0.2	6.67e-02	5.7	5.7	7.1	7.1	-152.6	-90.5	-124.2	438.9	310.8	-38.5
1179	ok	0.09	0.2	6.50e-02	5.7	5.7	7.1	7.1	-135.9	-115.0	146.7	-242.9	-33.4	-137.0
1180	ok	0.09	0.2	6.21e-02	5.7	5.7	7.1	7.1	-143.3	-73.9	146.5	-230.9	-159.1	-123.8
1181	ok	0.09	0.2	6.61e-02	5.7	5.7	7.1	7.1	-195.9	-2.9	-137.7	-214.8	-104.3	315.1
1182	ok	0.09	0.2	6.83e-02	5.7	5.7	7.1	7.1	-204.1	-27.9	-143.5	-42.3	-18.8	283.6
1183	ok	0.09	0.3	7.10e-02	5.7	5.7	7.1	7.1	-206.0	-60.2	-135.9	-6.7	53.9	296.5
1184	ok	0.09	0.2	7.12e-02	5.7	5.7	7.1	7.1	-168.7	-79.6	-127.4	477.3	111.8	5.7
1185	ok	0.09	0.3	7.56e-02	5.7	5.7	7.1	7.1	-190.4	-122.0	155.9	-303.6	-82.6	-142.8
1186	ok	0.09	0.3	6.97e-02	5.7	5.7	7.1	7.1	-177.0	-75.3	146.1	-270.7	-86.6	-167.0
1187	ok	0.09	0.2	6.57e-02	5.7	5.7	7.1	7.1	-204.9	1.5	-137.6	-232.8	-71.2	372.0
1188	ok	0.09	0.2	7.02e-02	5.7	5.7	7.1	7.1	-223.6	-20.0	-123.5	-189.1	-33.7	250.8
1189	ok	0.09	0.1	7.42e-02	5.7	5.7	7.1	7.1	-227.4	-45.6	-138.6	-120.9	24.3	-34.8
1190	ok	0.09	0.2	7.85e-02	5.7	5.7	7.1	7.1	-216.6	-103.0	-127.4	-30.9	109.9	-281.2
1191	ok	0.09	0.3	8.97e-02	5.7	5.7	7.1	7.1	-264.1	-108.9	153.7	-397.6	-135.8	-149.9
1192	ok	0.09	0.2	8.24e-02	5.7	5.7	7.1	7.1	-246.2	-61.6	136.1	-306.7	-111.1	-168.9
1193	ok	0.09	0.2	7.16e-02	5.7	5.7	7.1	7.1	-215.3	1.0	-113.7	-256.7	-55.1	316.3
1194	ok	0.09	0.2	7.47e-02	5.7	5.7	7.1	7.1	-257.1	-17.7	-125.7	-203.0	-46.9	299.3
1195	ok	0.09	0.2	8.34e-02	5.7	5.7	7.1	7.1	-281.2	-47.8	-140.9	-123.9	9.1	14.0
1196	ok	0.09	0.3	8.98e-02	5.7	5.7	7.1	7.1	-271.2	-110.4	-135.1	-11.2	88.0	-289.7
1197	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-416.7	-120.3	155.1	-459.3	-122.0	-104.8
1198	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-302.5	-24.1	100.0	-313.8	-78.8	-121.6

1199	ok	0.09	0.1	7.72e-02	5.7	5.7	7.1	7.1	-226.3	-5.0	77.9	-294.3	-72.6	-147.4
1200	ok	0.09	0.2	7.25e-02	5.7	5.7	7.1	7.1	-277.4	-12.0	-82.9	-219.3	-33.2	195.8
1201	ok	0.09	0.2	9.64e-02	5.7	5.7	7.1	7.1	-366.6	-29.8	-37.2	-102.4	41.4	-27.2
1202	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-388.8	-86.0	-136.5	119.1	68.2	71.7
1203	ok	0.10	0.7	0.2	8.3	7.2	8.1	8.6	-792.0	-25.8	126.3	379.7	108.0	78.6
1204	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-316.2	-1.3	29.9	-339.7	-38.8	-48.9
1205	ok	0.09	0.1	7.64e-02	5.7	5.7	7.1	7.1	-295.1	1.0	-1.8	-263.2	-7.0	-51.6
1206	ok	0.09	0.1	7.05e-02	5.7	5.7	7.1	7.1	-277.3	-5.0	-25.8	-240.6	-24.7	40.9
1207	ok	0.09	0.2	8.30e-02	5.7	5.7	7.1	7.1	-341.9	-11.6	-28.5	-138.5	-34.9	8.6
1208	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-614.8	15.0	-116.7	-90.0	-125.3	-234.2
1209	ok	0.09	0.3	0.2	5.9	5.7	7.3	7.1	-815.0	-51.9	-168.8	-414.8	-34.6	-182.6
1210	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-383.2	-145.9	-206.6	-324.5	-129.3	-20.2
1211	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-312.4	-4.8	-56.1	-336.8	-32.6	-73.2
1212	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-284.9	-9.9	-81.3	-300.4	-82.5	38.1
1213	ok	0.09	9.47e-02	7.40e-02	5.7	5.7	7.1	7.1	-262.9	1.9	2.2	-284.3	-3.1	103.0
1214	ok	0.09	0.1	8.37e-02	5.7	5.7	7.1	7.1	-271.4	-7.7	-14.3	-260.4	-79.1	276.3
1215	ok	0.09	9.14e-02	6.96e-02	5.7	5.7	7.1	7.1	-259.4	0.8	2.9	-97.2	12.3	121.3
1216	ok	0.09	9.63e-02	7.66e-02	5.7	5.7	7.1	7.1	-270.8	-7.6	3.9	-82.8	-56.5	311.9
1217	ok	0.09	9.18e-02	9.60e-02	5.7	5.7	7.1	7.1	-288.2	-1.8	46.4	129.9	27.0	32.5
1218	ok	0.09	0.1	9.76e-02	5.7	5.7	7.1	7.1	-275.4	-23.9	132.0	137.5	109.8	142.4
1219	ok	0.10	0.6	0.2	8.7	6.3	8.8	7.5	-661.2	-2.1	121.9	1385.0	21.9	135.8
1220	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-327.5	0.3	201.7	311.9	-2.17e-02	300.3
1221	ok	0.09	0.1	9.10e-02	5.7	5.7	7.1	7.1	-219.2	-129.9	-201.7	-296.0	-153.7	7.7
1222	ok	0.09	0.1	8.58e-02	5.7	5.7	7.1	7.1	-211.4	-51.3	-168.2	-270.9	-156.9	30.3
1223	ok	0.09	0.1	8.01e-02	5.7	5.7	7.1	7.1	-177.3	-26.1	-143.2	-362.3	-169.5	75.3
1224	ok	0.09	9.85e-02	7.66e-02	5.7	5.7	7.1	7.1	-194.1	-20.4	169.4	171.6	72.5	86.0
1225	ok	0.09	9.06e-02	8.11e-02	5.7	5.7	7.1	7.1	-228.2	-29.2	130.1	108.9	56.5	190.0
1226	ok	0.09	8.90e-02	8.56e-02	5.7	5.7	7.1	7.1	-238.9	-83.0	179.8	187.6	160.2	71.7
1227	ok	0.09	0.1	8.02e-02	5.7	5.7	7.1	7.1	-159.3	-86.8	-190.4	-245.8	-172.6	-93.8
1228	ok	0.09	9.74e-02	7.82e-02	5.7	5.7	7.1	7.1	-168.0	-69.8	-202.7	-172.0	-234.2	-53.3
1229	ok	0.09	0.1	7.55e-02	5.7	5.7	7.1	7.1	-156.5	-49.5	-185.1	-376.0	-248.9	59.2
1230	ok	0.09	0.1	7.47e-02	5.7	5.7	7.1	7.1	-182.8	-32.7	188.9	284.3	135.5	114.9
1231	ok	0.09	0.1	7.78e-02	5.7	5.7	7.1	7.1	-190.1	-45.5	192.2	131.0	234.6	113.7
1232	ok	0.09	0.1	7.65e-02	5.7	5.7	7.1	7.1	-191.3	-56.1	180.7	165.9	419.4	88.5
1233	ok	0.09	0.1	7.17e-02	5.7	5.7	7.1	7.1	-126.7	-53.6	-174.7	-485.7	-383.9	-149.2
1234	ok	0.09	0.1	7.54e-02	5.7	5.7	7.1	7.1	-137.7	-51.1	-193.9	-364.8	-312.1	-97.6
1235	ok	0.09	0.1	7.40e-02	5.7	5.7	7.1	7.1	-167.9	-47.2	182.8	258.0	213.1	140.8
1236	ok	0.09	0.1	7.57e-02	5.7	5.7	7.1	7.1	-171.1	-39.6	197.3	295.8	293.8	145.0
1237	ok	0.09	0.2	7.51e-02	5.7	5.7	7.1	7.1	-171.0	-32.2	196.5	343.6	314.3	139.4
1238	ok	0.09	0.2	7.20e-02	5.7	5.7	7.1	7.1	-165.3	-24.9	142.2	79.9	296.8	117.7
1239	ok	0.09	0.2	7.72e-02	5.7	5.7	7.1	7.1	-153.5	-121.1	186.2	292.9	276.5	64.7
1240	ok	0.09	0.2	8.09e-02	5.7	5.7	7.1	7.1	-142.8	-69.1	161.0	20.5	315.3	177.8
1241	ok	0.09	0.2	7.96e-02	5.7	5.7	7.1	7.1	-159.9	-51.0	195.2	209.1	236.9	133.2
1242	ok	0.09	0.2	7.65e-02	5.7	5.7	7.1	7.1	-166.0	-52.9	195.6	-116.2	-450.6	99.3
1243	ok	0.09	0.2	7.35e-02	5.7	5.7	7.1	7.1	-164.5	-31.5	190.3	-85.0	-643.6	113.9
1244	ok	0.09	0.3	6.83e-02	5.7	5.7	7.1	7.1	-116.6	-69.1	-136.6	-92.6	-534.4	84.8
1545	ok	0.09	0.1	8.05e-02	5.7	5.7	7.1	7.1	-314.0	12.7	83.7	-314.6	192.7	68.9
1547	ok	0.09	8.23e-02	6.74e-02	5.7	5.7	7.1	7.1	-165.1	13.0	122.1	-24.8	196.2	-61.2
1549	ok	0.09	9.06e-02	5.54e-02	5.7	5.7	7.1	7.1	-164.7	6.83e-02	123.0	34.9	171.1	-88.3
1551	ok	0.09	0.1	4.36e-02	5.7	5.7	7.1	7.1	-93.0	2.8	128.8	71.2	124.1	-112.9
1553	ok	0.09	0.1	4.10e-02	5.7	5.7	7.1	7.1	-23.9	4.8	124.2	89.8	74.5	-128.3
1555	ok	0.09	0.1	4.26e-02	5.7	5.7	7.1	7.1	-154.9	-12.6	-60.3	-227.2	-867.5	-31.8
1851	ok	0.09	0.1	8.76e-02	5.7	5.7	7.1	7.1	-153.4	-119.0	158.0	-123.4	-199.8	237.5
1852	ok	0.09	0.1	8.71e-02	5.7	5.7	7.1	7.1	-180.6	-113.4	198.5	371.1	-218.5	11.6
1853	ok	0.09	0.1	8.22e-02	5.7	5.7	7.1	7.1	-183.1	-69.4	210.6	-105.0	-316.3	27.7
1854	ok	0.09	0.2	7.79e-02	5.7	5.7	7.1	7.1	-183.8	-39.2	201.6	-61.4	-552.8	-5.5
1855	ok	0.09	0.2	7.24e-02	5.7	5.7	7.1	7.1	-150.9	-58.8	-167.9	79.8	-187.3	-80.8
1856	ok	0.09	0.2	7.06e-02	5.7	5.7	7.1	7.1	-149.2	-67.7	-180.8	126.6	-356.3	-78.5
1857	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-203.9	-156.5	174.9	299.4	-211.8	178.7
1858	ok	0.09	0.1	9.40e-02	5.7	5.7	7.1	7.1	-225.8	-109.7	218.4	-182.8	-266.2	23.4
1859	ok	0.09	9.37e-02	8.77e-02	5.7	5.7	7.1	7.1	-209.4	-53.8	186.1	-147.4	-212.6	-87.9
1860	ok	0.09	0.2	7.96e-02	5.7	5.7	7.1	7.1	-207.3	-30.4	194.8	-84.7	-400.5	-74.7
1861	ok	0.09	0.2	7.51e-02	5.7	5.7	7.1	7.1	-197.5	-56.0	-169.1	94.7	256.1	-73.5
1862	ok	0.09	0.2	7.75e-02	5.7	5.7	7.1	7.1	-201.5	-101.8	-158.9	102.7	168.1	44.0
1863	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-303.1	-186.6	230.9	-348.2	-210.1	-6.6
1864	ok	0.09	9.53e-02	0.1	5.7	5.7	7.1	7.1	-301.6	-103.9	212.2	-249.4	-228.3	-12.7
1865	ok	0.09	8.72e-02	9.60e-02	5.7	5.7	7.1	7.1	-241.0	-25.2	135.6	-192.1	-165.8	-115.7
1866	ok	0.09	0.2	7.88e-02	5.7	5.7	7.1	7.1	-237.1	-21.9	167.9	-115.4	-254.4	-116.5
1867	ok	0.09	0.2	8.27e-02	5.7	5.7	7.1	7.1	-242.5	-48.9	-161.8	100.5	196.0	92.4
1868	ok	0.09	0.2	8.91e-02	5.7	5.7	7.1	7.1	-261.8	-104.3	-172.0	144.0	275.0	101.4
1869	ok	0.09	0.1	0.2	5.7	5.7	7.1	7.1	-430.9	-193.7	243.0	-409.4	-191.5	113.3
1870	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-376.3	-48.6	161.2	-298.5	-145.2	-24.9
1871	ok	0.09	9.82e-02	9.89e-02	5.7	5.7	7.1	7.1	-334.0	-6.6	22.9	-241.9	-84.9	-198.4
1872	ok	0.09	0.1	7.76e-02	5.7	5.7	7.1	7.1	-317.0	-5.9	4.6	-184.6	-83.5	-260.7
1873	ok	0.09	0.1	9.91e-02	5.7	5.7	7.1	7.1	-319.5	-7.1	-10.7	-42.5	-77.7	-315.8
1874	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-387.0	-98.0	-159.3	166.3	208.4	100.9
1875	ok	0.10	0.3	0.2	7.1	7.9	8.5	9.3	-989.8	-12.5	189.8	-603.0	-57.8	215.5

1876	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-381.8	-3.8	47.5	-347.1	-40.9	12.0
1877	ok	0.09	9.26e-02	8.75e-02	5.7	5.7	7.1	7.1	-335.8	1.6	-1.9	-268.5	-2.0	-52.5
1878	ok	0.09	8.47e-02	7.76e-02	5.7	5.7	7.1	7.1	-316.9	1.9	-2.2	-205.4	-1.4	-79.5
1879	ok	0.09	8.23e-02	9.01e-02	5.7	5.7	7.1	7.1	-325.0	0.2	-3.5	-52.7	14.9	-103.2
1880	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-635.7	9.6	-119.3	-167.3	47.0	159.0
1881	ok	0.09	0.6	0.2	5.7	5.8	7.1	7.2	-812.0	-55.9	-164.7	-398.2	-42.6	-568.9
1882	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-303.1	86.3	138.1	-165.1	30.1	549.3
1883	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-330.5	2.1	52.1	-315.5	50.9	217.5
1884	ok	0.09	0.2	9.65e-02	5.7	5.7	7.1	7.1	-264.9	1.9	52.5	-259.1	-55.9	303.1
1885	ok	0.09	0.2	9.42e-02	5.7	5.7	7.1	7.1	-338.0	13.0	52.5	-188.5	41.4	218.4
1886	ok	0.09	0.2	8.19e-02	5.7	5.7	7.1	7.1	-273.6	18.4	132.2	-135.0	67.3	510.0
1887	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-363.2	9.3	45.1	71.8	48.0	254.4
1888	ok	0.09	0.2	9.90e-02	5.7	5.7	7.1	7.1	-304.1	-6.2	121.8	63.8	262.6	336.2
1889	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-470.6	-1.6	41.0	204.5	-6.2	234.7
1890	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-380.7	-8.9	120.7	162.8	155.4	303.6
1891	ok	0.09	0.3	0.2	6.3	5.7	7.7	7.1	-589.7	16.6	50.7	369.9	125.0	172.5
1892	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-485.1	-88.8	148.7	275.0	297.2	242.1
1893	ok	0.09	0.2	7.00e-02	5.7	5.7	7.1	7.1	-225.1	57.0	151.9	-316.0	148.0	558.0
1894	ok	0.09	0.2	7.40e-02	5.7	5.7	7.1	7.1	-213.0	37.4	162.5	-134.0	40.7	344.4
1895	ok	0.09	0.2	7.74e-02	5.7	5.7	7.1	7.1	-227.4	6.5	134.0	-15.3	24.1	550.4
1896	ok	0.09	0.2	8.46e-02	5.7	5.7	7.1	7.1	-253.8	-6.2	158.6	81.4	259.0	364.4
1897	ok	0.09	0.2	8.70e-02	5.7	5.7	7.1	7.1	-289.7	-25.7	156.3	150.6	284.7	338.0
1898	ok	0.09	0.1	8.89e-02	5.7	5.7	7.1	7.1	-292.2	-66.7	134.0	183.7	197.5	302.0
1899	ok	0.09	0.2	7.25e-02	5.7	5.7	7.1	7.1	-246.6	60.4	141.5	-384.6	-67.1	349.6
1900	ok	0.09	0.2	7.39e-02	5.7	5.7	7.1	7.1	-206.1	31.1	165.7	-87.1	15.9	379.4
1901	ok	0.09	0.1	7.23e-02	5.7	5.7	7.1	7.1	-215.0	7.2	163.7	23.2	63.0	405.2
1902	ok	0.09	0.1	7.04e-02	5.7	5.7	7.1	7.1	-204.7	1.2	157.7	75.4	106.7	408.5
1903	ok	0.09	9.44e-02	6.84e-02	5.7	5.7	7.1	7.1	-198.6	-16.5	153.0	138.4	195.9	239.1
1904	ok	0.09	0.1	6.53e-02	5.7	5.7	7.1	7.1	-185.0	-37.9	132.1	177.1	352.3	186.2
1905	ok	0.09	0.1	7.59e-02	5.7	5.7	7.1	7.1	-269.8	39.1	121.7	-326.9	-56.8	237.4
1906	ok	0.09	8.83e-02	7.14e-02	5.7	5.7	7.1	7.1	-186.8	27.4	158.9	-27.0	68.9	270.8
1907	ok	0.09	9.85e-02	6.65e-02	5.7	5.7	7.1	7.1	-190.7	7.6	157.2	67.5	93.9	304.5
1908	ok	0.09	0.1	6.04e-02	5.7	5.7	7.1	7.1	-152.5	1.5	159.2	80.0	113.7	293.0
1909	ok	0.09	0.1	5.36e-02	5.7	5.7	7.1	7.1	-118.7	-7.7	150.5	80.6	127.5	264.2
1910	ok	0.09	0.1	4.78e-02	5.7	5.7	7.1	7.1	-123.3	-2.5	-64.3	-154.6	-748.8	214.5
2019	ok	0.09	0.2	6.19e-02	5.7	5.7	7.1	7.1	-235.7	-5.0	-73.5	741.8	-612.2	-110.0
2023	ok	0.09	0.2	5.22e-02	5.7	5.7	7.1	7.1	-183.2	7.2	-76.1	574.9	-547.6	-278.6
2024	ok	0.09	0.1	4.61e-02	5.7	5.7	7.1	7.1	-154.6	-8.9	-79.0	666.4	-150.2	-439.4
2025	ok	0.09	0.2	4.50e-02	5.7	5.7	7.1	7.1	-135.5	-29.9	-64.7	631.4	239.5	-402.2
2026	ok	0.09	0.2	4.62e-02	5.7	5.7	7.1	7.1	-123.3	-27.6	-68.8	665.1	307.4	-326.3
2027	ok	0.09	0.2	4.73e-02	5.7	5.7	7.1	7.1	-123.3	-36.4	-84.1	558.6	358.7	-157.9
2028	ok	0.09	0.2	4.95e-02	5.7	5.7	7.1	7.1	-123.0	-47.7	-86.7	609.4	380.0	-120.2
2029	ok	0.09	0.2	5.18e-02	5.7	5.7	7.1	7.1	-125.3	-60.5	-88.6	683.5	393.9	-85.8
2030	ok	0.09	0.2	5.45e-02	5.7	5.7	7.1	7.1	-126.8	-61.0	-92.2	733.1	415.8	-23.2
2031	ok	0.09	0.2	5.77e-02	5.7	5.7	7.1	7.1	-146.9	-94.4	-118.4	645.2	423.5	-19.6
2032	ok	0.09	0.2	6.20e-02	5.7	5.7	7.1	7.1	-153.9	-95.9	-120.7	684.0	429.7	31.9
2033	ok	0.09	0.3	6.80e-02	5.7	5.7	7.1	7.1	-175.3	-139.6	-126.3	729.0	459.7	320.3
2034	ok	0.09	0.3	7.72e-02	5.7	5.7	7.1	7.1	-212.9	-171.4	-67.0	153.1	244.4	-177.2
2035	ok	0.09	0.2	9.50e-02	5.7	5.7	7.1	7.1	-273.3	-188.7	-129.5	266.8	238.8	129.1
2036	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-388.5	-261.3	-158.2	393.6	238.1	192.9
2037	ok	0.10	0.4	0.2	5.7	7.4	7.1	8.9	-485.7	-601.1	-276.7	355.7	686.5	495.1
2038	ok	0.09	0.3	5.85e-02	5.7	5.7	7.1	7.1	-196.5	-44.4	28.7	-197.6	-920.4	-102.5
2089	ok	0.09	0.2	4.62e-02	5.7	5.7	7.1	7.1	-171.5	-9.9	-61.2	-180.9	-967.7	-50.3
2170	ok	0.09	0.2	6.33e-02	5.7	5.7	7.1	7.1	-199.4	-45.6	35.9	-99.2	-592.2	156.0
2171	ok	0.09	0.2	6.98e-02	5.7	5.7	7.1	7.1	-188.5	-55.5	97.2	159.2	578.9	30.0
2172	ok	0.09	8.97e-02	8.27e-02	5.7	5.7	7.1	7.1	-221.6	-163.2	148.8	326.5	51.2	132.0
2173	ok	0.09	0.1	0.1	5.7	5.7	7.1	7.1	-322.1	-190.6	163.1	548.1	120.3	57.2
2174	ok	0.09	0.6	0.2	5.7	5.7	7.1	7.1	-901.1	-364.3	241.1	2265.7	180.1	-106.2
2175	ok	0.09	0.2	0.2	5.7	5.7	7.1	7.1	-518.5	-327.6	-121.9	341.6	297.5	208.1
2176	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-366.0	-301.3	-65.6	240.3	314.5	-101.3
2177	ok	0.09	0.2	9.15e-02	5.7	5.7	7.1	7.1	-234.9	-166.8	-150.6	191.2	47.7	-45.3
2178	ok	0.09	0.2	7.47e-02	5.7	5.7	7.1	7.1	-181.6	-156.7	-143.8	88.3	-81.8	-79.2
2179	ok	0.09	0.2	6.51e-02	5.7	5.7	7.1	7.1	-141.9	-77.6	-145.7	101.5	-294.8	-59.8
2180	ok	0.09	0.1	3.97e-02	5.7	5.7	7.1	7.1	-130.7	3.0	-69.6	-68.9	-808.3	163.7
2181	ok	0.09	0.1	5.40e-02	5.7	5.7	7.1	7.1	-164.0	-44.1	82.9	231.4	546.1	96.6
2182	ok	0.09	9.87e-02	8.07e-02	5.7	5.7	7.1	7.1	-277.3	-148.6	105.7	281.9	373.3	78.7
2183	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-442.8	-186.3	121.3	452.2	443.8	1.0
2184	ok	0.09	0.8	0.3	6.5	5.7	7.2	7.1	-1075.1	-365.9	231.5	833.2	623.7	-417.6
2233	ok	0.09	0.2	5.19e-02	5.7	5.7	7.1	7.1	-205.9	-6.0	-44.7	475.8	-817.1	-144.9
2235	ok	0.09	0.2	3.96e-02	5.7	5.7	7.1	7.1	-159.9	-5.2	-26.1	99.9	-993.3	-270.6
2237	ok	0.09	0.2	2.97e-02	5.7	5.7	7.1	7.1	-117.5	-3.5	-17.9	-182.7	-1133.8	-148.3
2239	ok	0.09	0.2	2.40e-02	5.7	5.7	7.1	7.1	-95.6	-4.2	-15.0	-258.0	-1296.9	-61.0
2241	ok	0.09	0.2	2.59e-02	5.7	5.7	7.1	7.1	-75.5	-24.9	-12.8	164.8	-1596.2	401.8
2243	ok	0.09	0.6	2.73e-02	5.7	5.7	7.1	7.1	-57.0	-108.2	21.1	-224.4	-1750.6	-389.3
2757	ok	0.09	0.3	4.86e-02	5.7	5.7	7.1	7.1	-192.2	-31.2	27.8	-214.9	-1062.3	-134.1
2759	ok	0.09	0.3	4.76e-02	5.7	5.7	7.1	7.1	-186.6	-17.7	-33.3	-272.5	-1417.3	203.9
2761	ok	0.09	0.4	4.61e-02	5.7	5.7	7.1	7.1	-178.7	-6.2	-39.9	-248.4	-1554.4	194.0

2763	ok	0.09	0.5	4.34e-02	5.7	5.7	7.1	7.1	-167.9	-1.1	-46.8	-84.4	-1538.3	178.7
2765	ok	0.09	0.5	4.66e-02	5.7	5.7	7.1	7.1	-147.1	40.5	71.4	944.4	-78.4	-1160.9
2767	ok	0.09	1.0	4.79e-02	5.7	5.7	7.1	7.3	-149.5	133.3	8.0	2682.4	2309.3	-985.4
3057	ok	0.09	0.2	4.90e-02	5.7	5.7	7.1	7.1	-176.0	-13.3	8.3	-241.3	-807.2	-86.0
3059	ok	0.09	0.2	4.63e-02	5.7	5.7	7.1	7.1	-152.0	-15.9	35.7	-219.4	-833.4	-68.1
3061	ok	0.09	0.2	4.09e-02	5.7	5.7	7.1	7.1	-115.8	-5.3	37.5	-168.7	-738.6	-331.7
3063	ok	0.09	0.2	3.15e-02	5.7	5.7	7.1	7.1	-109.3	-10.8	43.9	-119.4	-736.1	-440.6
3065	ok	0.09	0.2	3.45e-02	5.7	5.7	7.1	7.1	-104.1	-28.2	67.9	588.1	-151.3	-883.8
3067	ok	0.09	0.3	1.22e-02	5.7	5.7	7.1	7.1	-7.2	31.0	12.0	-28.8	468.3	-191.2
3357	ok	0.09	0.3	5.16e-02	5.7	5.7	7.1	7.1	-138.9	-65.2	-65.5	-60.9	-419.9	-25.0
3358	ok	0.09	0.3	5.05e-02	5.7	5.7	7.1	7.1	-195.9	-9.6	-40.5	-136.9	-841.6	-94.3
3359	ok	0.09	0.3	4.86e-02	5.7	5.7	7.1	7.1	-183.7	0.4	-49.1	-56.0	-743.6	-48.1
3360	ok	0.09	0.4	4.61e-02	5.7	5.7	7.1	7.1	-175.0	5.5	-48.6	356.5	-454.2	149.9
3361	ok	0.09	0.4	4.95e-02	5.7	5.7	7.1	7.1	-163.7	17.9	-97.5	1283.5	64.6	1123.2
3362	ok	0.09	0.7	5.41e-02	5.7	5.7	7.1	7.1	-176.3	20.0	-108.7	2502.9	3.0	1844.4
3363	ok	0.09	0.2	5.71e-02	5.7	5.7	7.1	7.1	-172.6	-119.1	-89.2	89.3	-84.9	-40.1
3364	ok	0.09	0.2	5.36e-02	5.7	5.7	7.1	7.1	-178.7	-58.5	-53.8	206.8	329.1	55.1
3365	ok	0.09	0.2	5.11e-02	5.7	5.7	7.1	7.1	-196.2	6.4	-58.9	269.8	-234.1	142.9
3366	ok	0.09	0.3	4.81e-02	5.7	5.7	7.1	7.1	-179.1	5.9	-65.2	668.1	-24.0	336.4
3367	ok	0.09	0.3	4.94e-02	5.7	5.7	7.1	7.1	-159.5	1.0	-97.6	1311.5	133.9	1148.6
3368	ok	0.09	0.4	5.51e-02	5.7	5.7	7.1	7.1	-155.4	4.8	-132.1	2320.8	556.5	1881.9
3369	ok	0.09	0.2	6.56e-02	5.7	5.7	7.1	7.1	-230.3	-125.4	-77.2	208.0	319.4	109.8
3370	ok	0.09	0.2	5.89e-02	5.7	5.7	7.1	7.1	-221.9	-55.2	-65.9	308.0	523.7	134.0
3371	ok	0.09	0.2	5.41e-02	5.7	5.7	7.1	7.1	-200.7	-24.6	-63.2	507.9	544.7	213.6
3372	ok	0.09	0.2	4.93e-02	5.7	5.7	7.1	7.1	-177.8	4.9	-75.7	896.2	164.0	373.6
3373	ok	0.09	0.3	5.09e-02	5.7	5.7	7.1	7.1	-157.5	-6.7	-104.9	1510.2	262.9	1112.0
3374	ok	0.09	0.4	5.58e-02	5.7	5.7	7.1	7.1	-149.9	-18.6	-133.4	2195.2	156.7	1934.2
3375	ok	0.09	0.1	8.74e-02	5.7	5.7	7.1	7.1	-319.0	-119.5	-87.5	260.7	417.1	204.3
3376	ok	0.09	0.2	7.58e-02	5.7	5.7	7.1	7.1	-274.1	-48.5	-85.9	333.1	457.9	191.7
3377	ok	0.09	0.2	6.61e-02	5.7	5.7	7.1	7.1	-228.3	-21.6	-85.4	721.7	474.2	205.8
3378	ok	0.09	0.2	5.59e-02	5.7	5.7	7.1	7.1	-162.3	-1.6	-75.4	960.6	262.3	318.9
3379	ok	0.09	0.3	5.22e-02	5.7	5.7	7.1	7.1	-150.4	-23.6	-113.4	1528.8	348.9	1070.5
3380	ok	0.09	0.4	5.85e-02	5.7	5.7	7.1	7.1	-148.6	-36.1	-140.5	2262.1	654.4	1877.1
3381	ok	0.09	0.3	0.1	5.7	5.7	7.1	7.1	-323.2	-103.8	-134.3	209.3	450.5	150.0
3382	ok	0.09	0.2	9.30e-02	5.7	5.7	7.1	7.1	-282.0	-42.9	-129.1	339.9	339.6	141.6
3383	ok	0.09	0.2	7.47e-02	5.7	5.7	7.1	7.1	-216.5	-20.9	-125.9	549.0	340.0	160.2
3384	ok	0.09	0.2	6.30e-02	5.7	5.7	7.1	7.1	-146.1	-12.6	-79.9	1059.5	338.7	292.7
3385	ok	0.09	0.3	5.14e-02	5.7	5.7	7.1	7.1	-132.7	-37.7	-97.4	1616.0	335.4	861.9
3386	ok	0.09	0.4	6.27e-02	5.7	5.7	7.1	7.1	-157.8	-60.3	-145.4	2467.3	189.7	2001.2
3387	ok	0.09	0.4	6.50e-02	5.7	5.7	7.1	7.1	-85.6	-117.9	-158.1	103.7	679.1	448.5
3388	ok	0.10	0.3	6.75e-02	6.9	7.5	9.0	10.1	122.1	630.0	189.3	-175.8	159.4	190.8
3389	ok	0.09	0.3	6.40e-02	5.7	5.7	7.1	7.1	-110.9	-47.9	-180.1	340.7	370.0	95.4
3390	ok	0.09	0.3	6.48e-02	5.7	5.7	7.1	7.1	-133.4	-28.6	-160.3	532.3	278.6	84.7
3391	ok	0.09	0.3	6.22e-02	5.7	5.7	7.1	7.1	-105.7	-31.9	-165.5	752.7	323.6	324.9
3392	ok	0.09	0.3	5.44e-02	5.7	5.7	7.1	7.1	-121.1	-63.0	-85.4	1507.9	473.0	809.0
3393	ok	0.09	0.4	6.51e-02	5.7	5.7	7.1	7.1	-142.7	-94.2	-152.5	2258.9	699.9	1742.5
3394	ok	0.09	0.3	4.09e-02	5.7	5.7	7.1	7.1	1.5	118.1	82.7	108.4	441.1	112.1
3395	ok	0.09	0.4	9.52e-03	5.7	5.7	7.1	7.1	3.1	212.3	32.8	-37.2	476.2	-14.7
3396	ok	0.09	0.2	4.47e-02	5.7	5.7	7.1	7.1	-20.7	49.5	75.4	337.8	482.1	100.2
3397	ok	0.09	0.3	4.89e-02	5.7	5.7	7.1	7.1	-55.2	-34.1	-160.3	467.0	304.6	329.5
3398	ok	0.09	0.3	5.36e-02	5.7	5.7	7.1	7.1	-70.4	-51.7	-149.6	691.4	293.2	277.0
3399	ok	0.09	0.3	5.19e-02	5.7	5.7	7.1	7.1	-113.2	-73.1	-59.0	1617.5	432.7	615.7
3400	ok	0.09	0.4	6.13e-02	5.7	5.7	7.1	7.1	-132.1	-124.1	-128.3	2028.9	238.6	1628.7
3401	ok	0.09	0.2	2.88e-02	5.7	5.7	7.1	7.1	4.6	122.4	97.9	114.6	454.8	-187.2
3402	ok	0.09	0.3	4.10e-03	5.7	5.7	7.1	7.1	4.3	217.5	28.5	-41.7	490.7	50.1
3403	ok	0.09	0.3	3.74e-02	5.7	5.7	7.1	7.1	-16.2	52.7	100.9	367.4	496.1	-179.9
3404	ok	0.09	0.3	4.16e-02	5.7	5.7	7.1	7.1	-60.1	19.8	149.0	611.2	510.5	-13.9
3405	ok	0.09	0.3	4.69e-02	5.7	5.7	7.1	7.1	-80.9	5.7	142.6	855.3	469.9	-9.9
3406	ok	0.09	0.3	4.64e-02	5.7	5.7	7.1	7.1	-111.3	-76.0	35.4	1479.3	503.7	-674.7
3407	ok	0.09	0.4	6.35e-02	5.7	5.7	7.1	7.1	-134.3	-120.7	118.2	2116.7	690.0	-1509.8
3408	ok	0.09	0.2	5.54e-02	5.7	5.7	7.1	7.1	21.3	-37.1	216.7	194.1	1096.5	-249.0
3409	ok	0.10	0.3	4.57e-02	7.1	6.7	8.8	8.6	61.6	-129.4	101.5	-127.4	1222.2	-74.2
3410	ok	0.09	0.2	5.91e-02	5.7	5.7	7.1	7.1	-120.3	26.8	184.9	430.6	573.1	-140.9
3411	ok	0.09	0.2	6.19e-02	5.7	5.7	7.1	7.1	-147.0	30.7	156.6	640.5	554.1	-120.6
3412	ok	0.09	0.2	5.90e-02	5.7	5.7	7.1	7.1	-140.8	21.1	136.2	882.0	505.2	-124.3
3413	ok	0.09	0.3	5.19e-02	5.7	5.7	7.1	7.1	-125.6	-62.6	66.8	1608.0	415.4	-748.3
3414	ok	0.09	0.4	6.10e-02	5.7	5.7	7.1	7.1	-142.7	-109.0	129.0	2172.8	237.5	-1697.6
3415	ok	0.09	0.5	0.1	5.7	5.7	7.1	7.1	-458.3	17.5	127.9	1267.4	560.3	-278.5
3416	ok	0.09	0.4	9.51e-02	5.7	5.7	7.1	7.1	-315.7	20.0	182.8	393.9	776.8	-255.4
3417	ok	0.09	0.2	7.65e-02	5.7	5.7	7.1	7.1	-244.9	42.2	110.4	628.2	542.9	-196.9
3418	ok	0.09	0.2	6.23e-02	5.7	5.7	7.1	7.1	-192.1	34.0	101.0	857.9	540.1	-236.0
3419	ok	0.09	0.3	5.02e-02	5.7	5.7	7.1	7.1	-131.7	-49.8	74.2	1478.2	391.8	-915.6
3420	ok	0.09	0.4	6.24e-02	5.7	5.7	7.1	7.1	-161.0	-79.3	135.2	2512.5	638.7	-1953.8
3421	ok	0.09	0.1	9.82e-02	5.7	5.7	7.1	7.1	-396.7	-2.8	65.5	439.8	473.3	-112.1
3422	ok	0.09	0.1	8.07e-02	5.7	5.7	7.1	7.1	-274.3	41.9	55.2	388.5	503.6	-197.9
3423	ok	0.09	0.2	6.58e-02	5.7	5.7	7.1	7.1	-206.2	47.9	68.3	777.0	530.8	-204.3
3424	ok	0.09	0.2	5.48e-02	5.7	5.7	7.1	7.1	-196.0	36.1	66.8	1055.1	539.2	-290.3

3425	ok	0.09	0.3	4.90e-02	5.7	5.7	7.1	7.1	-152.5	-26.8	95.9	1549.4	387.6	-1134.4
3426	ok	0.09	0.4	5.59e-02	5.7	5.7	7.1	7.1	-148.5	-64.3	120.0	2129.8	218.2	-1930.4
3427	ok	0.09	9.73e-02	6.25e-02	5.7	5.7	7.1	7.1	-247.6	-31.1	28.9	327.7	387.8	-59.6
3428	ok	0.09	0.1	5.75e-02	5.7	5.7	7.1	7.1	-235.6	37.3	25.8	381.6	463.8	-81.9
3429	ok	0.09	0.2	5.10e-02	5.7	5.7	7.1	7.1	-180.8	35.7	37.7	600.2	488.7	-180.8
3430	ok	0.09	0.2	4.40e-02	5.7	5.7	7.1	7.1	-168.5	43.9	56.8	856.8	470.4	-274.9
3431	ok	0.09	0.3	4.67e-02	5.7	5.7	7.1	7.1	-148.6	-19.3	88.8	1271.5	262.9	-1224.3
3432	ok	0.09	0.4	5.54e-02	5.7	5.7	7.1	7.1	-150.3	-43.8	123.3	2111.2	492.9	-1985.5
3433	ok	0.09	0.1	4.33e-02	5.7	5.7	7.1	7.1	-154.2	-28.8	25.6	215.6	592.8	15.9
3434	ok	0.09	7.94e-02	4.26e-02	5.7	5.7	7.1	7.1	-148.2	19.4	4.1	222.1	331.0	-87.0
3435	ok	0.09	0.1	4.15e-02	5.7	5.7	7.1	7.1	-139.4	39.5	15.3	362.6	401.9	-446.4
3436	ok	0.09	0.2	4.07e-02	5.7	5.7	7.1	7.1	-124.4	43.9	29.6	540.5	450.9	-301.8
3437	ok	0.09	0.3	4.51e-02	5.7	5.7	7.1	7.1	-144.8	-4.5	89.3	1134.8	170.0	-1333.8
3438	ok	0.09	0.4	5.36e-02	5.7	5.7	7.1	7.1	-150.7	-30.2	119.2	1997.9	39.2	-2100.1
3439	ok	0.09	0.1	3.46e-02	5.7	5.7	7.1	7.1	-142.0	1.5	-14.5	-67.6	-860.3	114.4
3440	ok	0.09	0.1	3.50e-02	5.7	5.7	7.1	7.1	-117.5	0.6	33.1	-20.9	-656.1	112.7
3441	ok	0.09	0.1	3.58e-02	5.7	5.7	7.1	7.1	-138.0	3.3	35.0	119.0	-284.6	-119.1
3442	ok	0.09	0.2	3.59e-02	5.7	5.7	7.1	7.1	-130.6	3.65e-02	44.0	291.5	-164.4	-310.6
3443	ok	0.09	0.3	4.28e-02	5.7	5.7	7.1	7.1	-129.3	-4.23e-02	93.8	750.4	47.4	-1394.2
3444	ok	0.09	0.5	5.87e-02	5.7	5.7	7.1	7.1	-190.6	-4.2	113.7	2511.0	192.9	-2065.5
3445	ok	0.09	0.4	0.1	5.7	5.7	7.1	7.1	-435.6	-63.6	147.4	1158.8	329.0	-288.2
3446	ok	0.09	0.2	8.61e-02	5.7	5.7	7.1	7.1	-303.1	-74.4	88.3	549.6	252.8	-105.5
3447	ok	0.09	0.3	9.77e-02	5.7	5.7	7.1	7.1	-302.6	-15.5	138.5	1006.0	507.8	-169.2
3448	ok	0.09	0.2	7.83e-02	5.7	5.7	7.1	7.1	-285.1	-23.0	84.2	688.1	516.7	-164.6
3449	ok	0.09	0.3	7.89e-02	5.7	5.7	7.1	7.1	-229.4	3.7	139.4	1036.9	529.7	-173.3
3450	ok	0.09	0.2	6.88e-02	5.7	5.7	7.1	7.1	-204.2	24.8	89.0	808.8	326.3	-218.2
3451	ok	0.09	0.3	6.44e-02	5.7	5.7	7.1	7.1	-143.8	33.1	111.7	1004.8	213.0	52.2
3452	ok	0.09	0.2	5.77e-02	5.7	5.7	7.1	7.1	-195.0	30.6	86.2	1105.6	241.4	-280.4
3453	ok	0.09	0.3	5.23e-02	5.7	5.7	7.1	7.1	-143.4	-27.1	87.1	1676.4	415.5	-1022.9
3454	ok	0.09	0.3	4.69e-02	5.7	5.7	7.1	7.1	-118.9	41.9	131.0	1064.5	333.4	-991.0
3455	ok	0.09	0.4	5.32e-02	5.7	5.7	7.1	7.1	-145.7	-36.4	-68.8	2203.7	267.4	1252.6
3456	ok	0.09	0.4	5.46e-02	5.7	5.7	7.1	7.1	-115.2	57.3	141.2	1519.3	665.3	-1484.3
3457	ok	0.09	9.60e-02	6.43e-02	5.7	5.7	7.1	7.1	-227.1	-66.6	90.6	340.5	283.6	-66.9
3458	ok	0.09	0.2	5.93e-02	5.7	5.7	7.1	7.1	-227.0	-17.4	66.7	422.2	442.6	-154.2
3459	ok	0.09	0.2	5.54e-02	5.7	5.7	7.1	7.1	-211.8	14.2	59.8	795.4	399.5	-226.8
3460	ok	0.09	0.2	4.90e-02	5.7	5.7	7.1	7.1	-182.1	31.6	58.7	969.4	382.2	-301.0
3461	ok	0.09	0.3	4.49e-02	5.7	5.7	7.1	7.1	-119.9	41.1	105.8	1033.4	494.9	-953.3
3462	ok	0.09	0.4	5.27e-02	5.7	5.7	7.1	7.1	-112.3	72.3	120.4	1466.7	263.2	-1437.6
3463	ok	0.09	0.2	5.61e-02	5.7	5.7	7.1	7.1	-190.4	-62.0	86.4	225.8	146.8	23.9
3464	ok	0.09	0.2	4.94e-02	5.7	5.7	7.1	7.1	-184.9	-14.4	46.9	365.4	247.3	-79.9
3465	ok	0.09	0.2	4.70e-02	5.7	5.7	7.1	7.1	-176.2	15.5	47.0	557.2	495.4	-237.6
3466	ok	0.09	0.2	4.41e-02	5.7	5.7	7.1	7.1	-159.7	30.2	40.1	804.8	541.9	-372.9
3467	ok	0.09	0.3	4.35e-02	5.7	5.7	7.1	7.1	-114.2	39.3	82.6	890.7	504.0	-865.9
3468	ok	0.09	0.4	5.24e-02	5.7	5.7	7.1	7.1	-150.6	15.9	123.4	2282.2	547.6	-1851.0
3469	ok	0.09	0.2	5.13e-02	5.7	5.7	7.1	7.1	-194.3	-33.5	33.2	-84.9	-611.5	127.7
3470	ok	0.09	0.3	4.80e-02	5.7	5.7	7.1	7.1	-188.0	-20.3	31.8	-37.4	-562.0	72.8
3471	ok	0.09	0.3	4.57e-02	5.7	5.7	7.1	7.1	-151.4	19.3	38.5	318.7	236.4	-150.5
3472	ok	0.09	0.3	4.32e-02	5.7	5.7	7.1	7.1	-125.6	38.5	34.9	513.5	347.0	-352.9
3473	ok	0.09	0.4	4.36e-02	5.7	5.7	7.1	7.1	-162.4	16.4	59.1	1351.4	39.8	-1196.4
3474	ok	0.09	0.5	5.19e-02	5.7	5.7	7.1	7.1	-162.2	10.8	110.2	2482.9	-50.2	-1845.6
3475	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-387.9	-68.8	-145.4	369.4	33.0	242.4
3476	ok	0.09	0.2	7.73e-02	5.7	5.7	7.1	7.1	-12.3	-121.9	-90.0	328.3	710.6	88.2
3477	ok	0.10	0.3	9.39e-02	7.2	7.3	8.6	10.2	144.8	581.1	208.2	-259.9	225.9	124.2
3478	ok	0.09	0.2	8.86e-02	5.7	5.7	7.1	7.1	-271.0	-25.0	-129.6	545.6	137.4	84.3
3479	ok	0.09	0.2	6.98e-02	5.7	5.7	7.1	7.1	-155.7	-34.0	-179.7	496.0	169.0	32.7
3480	ok	0.09	0.2	7.16e-02	5.7	5.7	7.1	7.1	-206.6	-6.0	-164.1	689.8	239.5	-27.8
3481	ok	0.09	0.2	6.75e-02	5.7	5.7	7.1	7.1	-153.8	-21.0	-183.5	671.4	149.2	-81.4
3482	ok	0.09	0.2	6.07e-02	5.7	5.7	7.1	7.1	-168.0	6.9	-149.1	915.7	187.5	-65.8
3483	ok	0.09	0.3	6.02e-02	5.7	5.7	7.1	7.1	-42.9	-41.2	123.0	917.6	442.8	-295.6
3484	ok	0.09	0.3	4.97e-02	5.7	5.7	7.1	7.1	-115.9	35.1	-68.1	1152.3	258.8	-367.1
3485	ok	0.09	0.3	5.02e-02	5.7	5.7	7.1	7.1	-68.0	-76.4	120.4	1021.8	284.4	-705.8
3486	ok	0.09	0.4	5.90e-02	5.7	5.7	7.1	7.1	-118.8	47.4	-149.7	1681.4	691.7	1048.6
3487	ok	0.09	0.4	5.93e-02	5.7	5.7	7.1	7.1	-73.2	-82.0	171.4	1266.2	158.5	-1247.7
3488	ok	0.09	0.2	5.35e-02	5.7	5.7	7.1	7.1	10.9	27.6	138.8	297.8	718.4	40.0
3489	ok	0.09	0.3	2.78e-02	5.7	5.7	7.1	7.1	5.1	139.9	48.6	-68.4	348.8	16.1
3490	ok	0.09	0.2	5.35e-02	5.7	5.7	7.1	7.1	1.6	-4.9	169.7	561.9	609.5	12.8
3491	ok	0.09	0.2	5.63e-02	5.7	5.7	7.1	7.1	-31.3	-18.7	163.9	766.4	535.2	1.5
3492	ok	0.09	0.3	5.39e-02	5.7	5.7	7.1	7.1	-55.8	-39.2	143.7	973.9	648.7	-357.3
3493	ok	0.09	0.4	5.13e-02	5.7	5.7	7.1	7.1	-75.6	-66.3	142.4	1060.7	422.4	-854.3
3494	ok	0.09	0.4	6.07e-02	5.7	5.7	7.1	7.1	-83.0	-64.6	180.8	1389.9	572.9	-1392.1
3495	ok	0.09	0.2	5.37e-02	5.7	5.7	7.1	7.1	-30.0	-64.6	88.7	303.2	710.3	-313.1
3496	ok	0.09	0.2	1.96e-02	5.7	5.7	7.1	7.1	36.3	189.5	-70.6	-142.1	282.3	66.9
3497	ok	0.09	0.2	5.68e-02	5.7	5.7	7.1	7.1	-49.4	-16.2	189.8	600.8	590.1	-66.1
3498	ok	0.09	0.3	6.12e-02	5.7	5.7	7.1	7.1	-72.3	-9.3	178.4	757.9	551.1	-482.6
3499	ok	0.09	0.3	5.93e-02	5.7	5.7	7.1	7.1	-93.2	-14.9	175.8	1039.0	523.6	-474.4
3500	ok	0.09	0.4	5.38e-02	5.7	5.7	7.1	7.1	-125.1	-48.3	-16.3	1710.6	415.7	404.9
3501	ok	0.09	0.4	5.75e-02	5.7	5.7	7.1	7.1	-138.7	-67.6	106.8	2093.9	310.0	-1691.0

3502	ok	0.09	0.2	8.21e-02	5.7	5.7	7.1	7.1	-35.7	-84.1	268.9	317.4	664.3	-440.6
3503	ok	0.10	0.3	8.21e-02	7.5	7.5	8.9	8.9	20.3	-307.2	142.0	-164.5	604.4	-603.0
3504	ok	0.09	0.2	7.52e-02	5.7	5.7	7.1	7.1	-169.0	-19.7	203.1	786.5	539.9	-133.8
3505	ok	0.09	0.3	7.39e-02	5.7	5.7	7.1	7.1	-165.4	-2.5	179.8	978.5	551.7	-451.8
3506	ok	0.09	0.4	6.63e-02	5.7	5.7	7.1	7.1	-145.7	-0.8	163.3	1135.0	547.4	-478.1
3507	ok	0.09	0.3	5.65e-02	5.7	5.7	7.1	7.1	-131.1	-43.7	77.2	1637.3	434.9	-935.7
3508	ok	0.09	0.4	5.49e-02	5.7	5.7	7.1	7.1	-140.6	-54.9	118.9	2130.1	609.0	-1749.2
3509	ok	0.09	0.2	4.60e-02	5.7	5.7	7.1	7.1	-169.0	3.4	-47.3	391.3	-703.1	-289.3
3510	ok	0.09	0.2	3.93e-02	5.7	5.7	7.1	7.1	-121.1	4.6	-20.3	-137.9	-857.5	-179.7
3511	ok	0.09	0.2	3.31e-02	5.7	5.7	7.1	7.1	-127.6	-2.6	-21.3	16.2	-869.6	-247.2
3512	ok	0.09	0.2	2.77e-02	5.7	5.7	7.1	7.1	-109.0	-5.8	-24.1	154.9	-308.1	240.3
3513	ok	0.09	0.3	3.35e-02	5.7	5.7	7.1	7.1	-108.2	0.2	-66.2	514.6	-6.4	1315.8
3514	ok	0.09	0.6	4.80e-02	5.7	5.7	7.1	7.1	-137.5	-117.1	-47.8	927.7	-2361.6	926.0
3515	ok	0.09	0.1	4.23e-02	5.7	5.7	7.1	7.1	-148.0	-7.4	-59.8	548.5	-187.5	-368.6
3516	ok	0.09	0.1	3.79e-02	5.7	5.7	7.1	7.1	-136.9	-4.8	-46.8	371.0	-221.7	-248.0
3517	ok	0.09	0.1	3.36e-02	5.7	5.7	7.1	7.1	-124.7	-3.4	-37.0	256.4	-233.1	-117.5
3518	ok	0.09	0.2	3.14e-02	5.7	5.7	7.1	7.1	-126.7	-3.2	-21.4	452.1	-49.4	355.1
3519	ok	0.09	0.3	3.58e-02	5.7	5.7	7.1	7.1	-124.9	1.7	-60.2	926.0	217.2	1425.4
3520	ok	0.09	0.4	4.46e-02	5.7	5.7	7.1	7.1	-135.9	-21.6	-90.9	1762.6	93.1	2073.1
3521	ok	0.09	0.1	3.97e-02	5.7	5.7	7.1	7.1	-135.5	-26.6	-64.6	740.7	297.2	-336.4
3522	ok	0.09	0.1	3.64e-02	5.7	5.7	7.1	7.1	-128.8	-19.8	-54.9	609.5	469.4	-220.1
3523	ok	0.09	0.1	3.39e-02	5.7	5.7	7.1	7.1	-120.7	-14.9	-45.5	557.3	621.6	-67.5
3524	ok	0.09	0.2	3.40e-02	5.7	5.7	7.1	7.1	-110.1	-10.2	-36.0	545.0	822.4	151.0
3525	ok	0.09	0.3	3.69e-02	5.7	5.7	7.1	7.1	-134.0	-8.0	-53.0	1100.2	139.6	1347.2
3526	ok	0.09	0.4	4.52e-02	5.7	5.7	7.1	7.1	-140.2	-17.7	-90.6	1922.3	408.1	2012.4
3527	ok	0.09	0.2	4.05e-02	5.7	5.7	7.1	7.1	-123.7	-23.9	-66.0	807.4	475.3	-266.1
3528	ok	0.09	0.1	3.66e-02	5.7	5.7	7.1	7.1	-120.7	-26.3	-55.9	789.7	723.9	-143.0
3529	ok	0.09	0.1	3.61e-02	5.7	5.7	7.1	7.1	-114.7	-19.2	-47.3	759.2	868.0	35.0
3530	ok	0.09	0.2	3.58e-02	5.7	5.7	7.1	7.1	-106.1	-13.0	-38.5	802.2	1045.4	223.8
3531	ok	0.09	0.3	3.81e-02	5.7	5.7	7.1	7.1	-141.7	-5.0	-50.9	1376.8	295.0	1293.8
3532	ok	0.09	0.4	4.51e-02	5.7	5.7	7.1	7.1	-143.6	-24.5	-85.1	2003.3	134.3	1926.5
3533	ok	0.09	0.2	4.16e-02	5.7	5.7	7.1	7.1	-122.2	-23.3	-81.6	681.8	488.9	-80.7
3534	ok	0.09	0.2	3.85e-02	5.7	5.7	7.1	7.1	-113.8	-24.5	-57.7	939.4	795.9	-61.1
3535	ok	0.09	0.2	3.78e-02	5.7	5.7	7.1	7.1	-108.1	-22.9	-48.0	938.0	1001.7	109.7
3536	ok	0.09	0.2	3.72e-02	5.7	5.7	7.1	7.1	-153.5	-8.2	-10.7	1077.4	265.5	384.9
3537	ok	0.09	0.3	3.85e-02	5.7	5.7	7.1	7.1	-144.8	-13.8	-47.3	1442.3	256.4	1208.0
3538	ok	0.09	0.4	4.60e-02	5.7	5.7	7.1	7.1	-147.4	-19.5	-87.3	2116.9	494.2	1831.3
3539	ok	0.09	0.2	4.28e-02	5.7	5.7	7.1	7.1	-123.9	-43.2	-86.2	768.2	463.9	-62.5
3540	ok	0.09	0.2	4.02e-02	5.7	5.7	7.1	7.1	-115.0	-21.9	-70.3	816.4	598.5	37.8
3541	ok	0.09	0.2	3.93e-02	5.7	5.7	7.1	7.1	-104.8	-25.1	-47.9	1099.3	1037.8	183.4
3542	ok	0.09	0.2	3.84e-02	5.7	5.7	7.1	7.1	-158.4	-10.1	-9.4	1206.6	314.2	359.3
3543	ok	0.09	0.3	3.95e-02	5.7	5.7	7.1	7.1	-148.8	-13.5	41.6	1593.8	325.9	-156.0
3544	ok	0.09	0.4	4.57e-02	5.7	5.7	7.1	7.1	-148.4	-24.6	-83.4	2128.5	236.1	1778.1
3545	ok	0.09	0.2	4.44e-02	5.7	5.7	7.1	7.1	-125.9	-54.7	-88.2	848.6	472.1	-31.0
3546	ok	0.09	0.2	4.18e-02	5.7	5.7	7.1	7.1	-117.4	-30.0	-71.7	908.9	547.1	60.9
3547	ok	0.09	0.2	4.07e-02	5.7	5.7	7.1	7.1	-113.4	-17.6	-55.6	1015.9	628.1	111.4
3548	ok	0.09	0.2	3.94e-02	5.7	5.7	7.1	7.1	-162.4	-11.6	-9.3	1308.7	352.1	330.5
3549	ok	0.09	0.3	3.98e-02	5.7	5.7	7.1	7.1	-94.9	-42.3	11.8	997.9	-135.9	510.9
3550	ok	0.09	0.4	4.63e-02	5.7	5.7	7.1	7.1	-98.0	-62.3	-14.5	1338.9	-175.5	931.1
3551	ok	0.09	0.2	4.62e-02	5.7	5.7	7.1	7.1	-127.1	-54.7	-89.7	907.6	494.6	18.7
3552	ok	0.09	0.2	4.33e-02	5.7	5.7	7.1	7.1	-121.5	-38.4	-72.6	998.5	544.1	79.6
3553	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-117.1	-17.9	-59.5	1109.9	656.7	146.4
3554	ok	0.09	0.3	4.03e-02	5.7	5.7	7.1	7.1	-165.8	-12.7	-10.4	1387.3	380.2	300.9
3555	ok	0.09	0.3	4.08e-02	5.7	5.7	7.1	7.1	-92.4	-57.5	1.1	1070.7	325.3	739.4
3556	ok	0.09	0.4	4.64e-02	5.7	5.7	7.1	7.1	-98.6	-77.7	-13.2	1383.6	-46.1	1030.4
3557	ok	0.09	0.2	4.84e-02	5.7	5.7	7.1	7.1	-133.2	-67.5	-91.3	710.7	489.7	43.7
3558	ok	0.09	0.2	4.48e-02	5.7	5.7	7.1	7.1	-128.4	-46.9	-72.9	1111.9	532.8	92.0
3559	ok	0.09	0.2	4.31e-02	5.7	5.7	7.1	7.1	-124.3	-21.9	-60.0	992.1	536.4	145.0
3560	ok	0.09	0.3	4.11e-02	5.7	5.7	7.1	7.1	-168.8	-13.4	-12.6	1447.5	404.3	270.7
3561	ok	0.09	0.3	4.13e-02	5.7	5.7	7.1	7.1	-159.8	-19.4	-25.7	1816.7	416.8	396.3
3562	ok	0.09	0.4	4.74e-02	5.7	5.7	7.1	7.1	-92.8	-89.1	-25.3	1366.2	349.3	1111.6
3563	ok	0.09	0.2	5.11e-02	5.7	5.7	7.1	7.1	-143.4	-81.7	-92.2	795.5	486.9	66.6
3564	ok	0.09	0.2	4.63e-02	5.7	5.7	7.1	7.1	-139.5	-54.9	-72.6	929.7	521.4	102.7
3565	ok	0.09	0.3	4.43e-02	5.7	5.7	7.1	7.1	-135.3	-25.2	-60.8	1076.2	529.8	132.1
3566	ok	0.09	0.3	4.19e-02	5.7	5.7	7.1	7.1	-170.9	-13.8	-16.0	1489.1	425.5	242.4
3567	ok	0.09	0.3	4.25e-02	5.7	5.7	7.1	7.1	-116.1	48.9	-75.5	1227.7	236.5	511.6
3568	ok	0.09	0.4	4.76e-02	5.7	5.7	7.1	7.1	-91.5	-100.7	-23.1	1390.6	330.7	1102.8
3569	ok	0.09	0.2	5.45e-02	5.7	5.7	7.1	7.1	-159.9	-97.2	-92.1	852.1	491.7	91.3
3570	ok	0.09	0.2	4.79e-02	5.7	5.7	7.1	7.1	-156.7	-61.3	-71.9	974.8	517.4	111.1
3571	ok	0.09	0.3	4.52e-02	5.7	5.7	7.1	7.1	-151.0	-26.3	-62.8	1107.8	515.9	120.3
3572	ok	0.09	0.3	4.24e-02	5.7	5.7	7.1	7.1	-146.2	16.2	-50.8	931.5	215.7	57.0
3573	ok	0.09	0.3	4.26e-02	5.7	5.7	7.1	7.1	-87.4	-57.7	22.4	1041.8	222.0	463.0
3574	ok	0.09	0.4	4.92e-02	5.7	5.7	7.1	7.1	-112.7	72.0	-101.2	1571.0	514.2	996.3
3575	ok	0.09	0.3	5.93e-02	5.7	5.7	7.1	7.1	-188.1	-124.9	-84.0	881.4	527.3	279.3
3576	ok	0.09	0.3	5.21e-02	5.7	5.7	7.1	7.1	-181.0	-56.9	-64.8	980.5	519.2	236.2
3577	ok	0.09	0.3	4.80e-02	5.7	5.7	7.1	7.1	-170.2	-15.6	-69.2	1093.6	506.0	215.3
3578	ok	0.09	0.3	4.34e-02	5.7	5.7	7.1	7.1	-145.3	26.0	-76.8	954.7	217.5	-28.3

3579	ok	0.09	0.3	4.35e-02	5.7	5.7	7.1	7.1	-82.3	-61.9	23.7	1099.1	76.0	627.7
3580	ok	0.09	0.4	5.19e-02	5.7	5.7	7.1	7.1	-87.1	-110.5	-0.5	1469.5	605.2	1114.5
3581	ok	0.09	0.3	6.79e-02	5.7	5.7	7.1	7.1	-228.2	-127.3	-89.2	883.1	550.2	329.2
3582	ok	0.09	0.3	6.17e-02	5.7	5.7	7.1	7.1	-217.6	-60.1	-75.3	935.6	542.4	240.9
3583	ok	0.09	0.3	5.72e-02	5.7	5.7	7.1	7.1	-194.4	-21.0	-78.8	1050.3	522.6	209.9
3584	ok	0.09	0.3	4.97e-02	5.7	5.7	7.1	7.1	-150.4	22.8	-71.7	938.7	218.6	-83.1
3585	ok	0.09	0.3	4.44e-02	5.7	5.7	7.1	7.1	-125.1	44.2	-117.0	1266.5	177.2	652.7
3586	ok	0.09	0.4	5.14e-02	5.7	5.7	7.1	7.1	-78.3	-115.4	118.3	1347.3	556.1	-818.8
3587	ok	0.09	0.3	8.75e-02	5.7	5.7	7.1	7.1	-321.9	-118.6	-85.2	332.5	288.9	169.0
3588	ok	0.09	0.2	7.57e-02	5.7	5.7	7.1	7.1	-254.8	-51.2	-87.5	822.6	567.7	222.0
3589	ok	0.09	0.2	6.60e-02	5.7	5.7	7.1	7.1	-219.9	-2.6	-100.4	697.8	157.9	47.5
3590	ok	0.09	0.3	5.63e-02	5.7	5.7	7.1	7.1	-147.6	23.6	-93.8	925.9	226.3	-42.1
3591	ok	0.09	0.3	4.65e-02	5.7	5.7	7.1	7.1	-121.9	39.7	-129.9	1266.0	277.2	408.6
3592	ok	0.09	0.4	5.26e-02	5.7	5.7	7.1	7.1	-115.0	64.4	-137.0	1481.7	-44.9	955.5

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
								-1402.53	-618.91	-276.71	-926.52	-2361.57	-2100.10
	0.10	0.96	0.38	8.70	7.89	8.99	10.18	144.76	629.98	412.84	2682.42	2309.32	2073.06

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
16	ok Av	5.82	0.21	0.08	6.2	2.3	145.4	53.3
20	ok	2.84						
24	ok	2.06						
28	ok	1.82						
32	ok	1.59						
36	ok	1.41						
40	ok	1.28						
44	ok	1.17						
48	ok	1.11						
52	ok	1.04						
56	ok	0.99						
60	ok	1.08						
64	ok	1.19						
68	ok	1.39						
72	ok	1.80						
76	ok	1.81						
83	ok	1.63						
84	ok	1.40						
88	ok	1.38						
92	ok	1.21						
96	ok	1.00						
100	ok	2.10						
320	ok	1.12						
324	ok	1.25						
328	ok	1.55						
332	ok	1.93						
336	ok	1.59						
343	ok	1.75						
344	ok	1.48						
348	ok	1.53						
352	ok	1.49						
356	ok	1.67						
360	ok	2.84						
1095	ok Av	5.99	0.23	0.02	6.8	0.6	159.2	14.1
1097	ok Av	7.15	0.28	5.43e-03	8.1	0.2	190.3	3.7
1099	ok Av	7.22	0.28	5.31e-03	8.2	0.2	192.1	3.6
1101	ok Av	7.18	0.28	8.02e-03	8.1	0.2	190.9	5.4
1103	ok Av	6.40	0.25	6.59e-03	7.3	0.2	170.3	4.5
1105	ok Av	5.20	0.20	5.08e-03	5.9	0.1	138.3	3.5
1119	ok	1.61						
1120	ok	1.55						
1121	ok	1.51						
1122	ok	1.45						
1123	ok	1.27						
1124	ok	0.92						
1125	ok	0.53						
1126	ok	0.31						
1127	ok	0.23						
1128	ok	0.18						
1129	ok	0.17						
1130	ok	0.23						
1131	ok	0.57						
1132	ok	0.45						
1133	ok	0.38						

1134	ok	0.32
1135	ok	0.26
1136	ok	0.25
1137	ok	0.56
1138	ok	0.43
1139	ok	0.37
1140	ok	0.32
1141	ok	0.26
1142	ok	0.25
1143	ok	0.58
1144	ok	0.45
1145	ok	0.39
1146	ok	0.34
1147	ok	0.29
1148	ok	0.26
1149	ok	0.60
1150	ok	0.46
1151	ok	0.41
1152	ok	0.35
1153	ok	0.30
1154	ok	0.27
1155	ok	0.61
1156	ok	0.49
1157	ok	0.43
1158	ok	0.37
1159	ok	0.32
1160	ok	0.28
1161	ok	0.62
1162	ok	0.50
1163	ok	0.44
1164	ok	0.39
1165	ok	0.33
1166	ok	0.29
1167	ok	0.62
1168	ok	0.52
1169	ok	0.46
1170	ok	0.40
1171	ok	0.35
1172	ok	0.30
1173	ok	0.61
1174	ok	0.53
1175	ok	0.47
1176	ok	0.42
1177	ok	0.36
1178	ok	0.31
1179	ok	0.60
1180	ok	0.54
1181	ok	0.49
1182	ok	0.43
1183	ok	0.37
1184	ok	0.32
1185	ok	0.60
1186	ok	0.55
1187	ok	0.50
1188	ok	0.44
1189	ok	0.39
1190	ok	0.34
1191	ok	0.64
1192	ok	0.60
1193	ok	0.52
1194	ok	0.45
1195	ok	0.40
1196	ok	0.36
1197	ok	0.70
1198	ok	0.62
1199	ok	0.44
1200	ok	0.41
1201	ok	0.41
1202	ok	0.61
1203	ok	1.69
1204	ok	1.27
1205	ok	1.30
1206	ok	1.10
1207	ok	0.85
1208	ok	0.71
1209	ok	1.72
1210	ok	0.38

1211	ok	1.51
1212	ok	0.25
1213	ok	1.48
1214	ok	0.27
1215	ok	1.50
1216	ok	0.29
1217	ok	1.53
1218	ok	0.30
1219	ok	1.75
1220	ok	0.41
1221	ok	0.33
1222	ok	0.18
1223	ok	0.17
1224	ok	0.19
1225	ok	0.24
1226	ok	0.29
1227	ok	0.30
1228	ok	0.23
1229	ok	0.22
1230	ok	0.23
1231	ok	0.29
1232	ok	0.35
1233	ok	0.40
1234	ok	0.26
1235	ok	0.24
1236	ok	0.31
1237	ok	0.40
1238	ok	0.48
1239	ok	1.46
1240	ok	0.99
1241	ok	0.88
1242	ok	1.04
1243	ok	1.18
1244	ok	1.29
1545	ok	3.94
1547	ok	4.51
1549	ok	4.72
1551	ok	4.76
1553	ok	4.56
1555	ok	4.07
1851	ok	0.47
1852	ok	0.32
1853	ok	0.27
1854	ok	0.30
1855	ok	0.39
1856	ok	0.48
1857	ok	0.30
1858	ok	0.30
1859	ok	0.25
1860	ok	0.25
1861	ok	0.31
1862	ok	0.38
1863	ok	0.24
1864	ok	0.18
1865	ok	0.16
1866	ok	0.19
1867	ok	0.25
1868	ok	0.31
1869	ok	0.56
1870	ok	0.21
1871	ok	0.21
1872	ok	0.21
1873	ok	0.22
1874	ok	0.30
1875	ok	1.08
1876	ok	0.89
1877	ok	0.87
1878	ok	0.93
1879	ok	1.03
1880	ok	1.36
1881	ok	1.73
1882	ok	0.41
1883	ok	1.36
1884	ok	0.21
1885	ok	1.30
1886	ok	0.19
1887	ok	1.23

1888	ok	0.19							
1889	ok	1.15							
1890	ok	0.19							
1891	ok	1.08							
1892	ok	0.27							
1893	ok	0.40							
1894	ok	0.25							
1895	ok	0.20							
1896	ok	0.17							
1897	ok	0.20							
1898	ok	0.25							
1899	ok	0.45							
1900	ok	0.22							
1901	ok	0.17							
1902	ok	0.22							
1903	ok	0.26							
1904	ok	0.31							
1905	ok	1.31							
1906	ok	1.14							
1907	ok	1.07							
1908	ok	1.07							
1909	ok	1.03							
1910	ok	0.94							
2019	ok	3.84							
2023	ok	0.65							
2024	ok	0.37							
2025	ok	0.33							
2026	ok	0.30							
2027	ok	0.28							
2028	ok	0.26							
2029	ok	0.25							
2030	ok	0.25							
2031	ok	0.25							
2032	ok	0.25							
2033	ok	0.25							
2034	ok	0.26							
2035	ok	0.28							
2036	ok	0.52							
2037	ok	1.98							
2038	ok	1.41							
2089	ok	3.28							
2170	ok	0.61							
2171	ok	0.43							
2172	ok	0.38							
2173	ok	0.58							
2174	ok	2.82							
2175	ok	2.32							
2176	ok	0.69							
2177	ok	0.41							
2178	ok	0.47							
2179	ok	0.60							
2180	ok	0.79							
2181	ok	0.39							
2182	ok	0.33							
2183	ok	0.43							
2184	ok	1.97							
2233	ok	2.43							
2235	ok	1.79							
2237	ok	1.34							
2239	ok	1.42							
2241	ok	2.63							
2243	ok Av	5.30	0.01	0.21	0.4	6.0	8.5	140.9	
2757	ok	1.52							
2759	ok	1.72							
2761	ok	2.01							
2763	ok	2.40							
2765	ok	2.65							
2767	ok Av	7.39	0.07	0.28	1.9	8.2	44.7	192.1	
3057	ok	2.44							
3059	ok	1.83							
3061	ok	1.72							
3063	ok	2.13							
3065	ok	2.12							
3067	ok	3.92							
3357	ok	0.68							
3358	ok	0.76							
3359	ok	0.96							

3360	ok	1.37
3361	ok	2.31
3362	ok	4.66
3363	ok	0.53
3364	ok	0.60
3365	ok	0.70
3366	ok	1.09
3367	ok	1.59
3368	ok	2.79
3369	ok	0.45
3370	ok	0.51
3371	ok	0.64
3372	ok	0.88
3373	ok	1.28
3374	ok	1.53
3375	ok	0.38
3376	ok	0.43
3377	ok	0.48
3378	ok	0.73
3379	ok	0.65
3380	ok	2.47
3381	ok	0.94
3382	ok	0.36
3383	ok	0.42
3384	ok	0.47
3385	ok	1.00
3386	ok	2.17
3387	ok	0.38
3388	ok	1.41
3389	ok	0.30
3390	ok	0.28
3391	ok	0.48
3392	ok	1.00
3393	ok	2.88
3394	ok	0.23
3395	ok	0.67
3396	ok	0.21
3397	ok	0.26
3398	ok	0.61
3399	ok	1.11
3400	ok	2.95
3401	ok	0.21
3402	ok	0.37
3403	ok	0.21
3404	ok	0.28
3405	ok	0.39
3406	ok	1.31
3407	ok	3.73
3408	ok	0.37
3409	ok	1.04
3410	ok	0.23
3411	ok	0.27
3412	ok	0.60
3413	ok	1.11
3414	ok	2.81
3415	ok	0.88
3416	ok	0.25
3417	ok	0.31
3418	ok	0.50
3419	ok	0.98
3420	ok	2.96
3421	ok	0.32
3422	ok	0.31
3423	ok	0.39
3424	ok	0.45
3425	ok	0.83
3426	ok	2.39
3427	ok	0.35
3428	ok	0.39
3429	ok	0.45
3430	ok	0.68
3431	ok	0.71
3432	ok	2.32
3433	ok	0.43
3434	ok	0.47
3435	ok	0.55
3436	ok	0.85

3437	ok	1.53
3438	ok	1.64
3439	ok	0.65
3440	ok	0.65
3441	ok	0.73
3442	ok	0.95
3443	ok	1.93
3444	ok	3.03
3445	ok	1.34
3446	ok	0.35
3447	ok	0.31
3448	ok	0.38
3449	ok	0.35
3450	ok	0.40
3451	ok	0.48
3452	ok	0.63
3453	ok	0.89
3454	ok	0.78
3455	ok	3.41
3456	ok	2.78
3457	ok	0.41
3458	ok	0.48
3459	ok	0.61
3460	ok	0.67
3461	ok	1.32
3462	ok	2.63
3463	ok	0.49
3464	ok	0.56
3465	ok	0.70
3466	ok	1.12
3467	ok	1.36
3468	ok	2.49
3469	ok	0.69
3470	ok	0.80
3471	ok	0.97
3472	ok	1.39
3473	ok	2.65
3474	ok	2.97
3475	ok	1.32
3476	ok	0.77
3477	ok	1.22
3478	ok	0.24
3479	ok	0.25
3480	ok	0.40
3481	ok	0.26
3482	ok	0.40
3483	ok	0.74
3484	ok	1.73
3485	ok	0.86
3486	ok	4.61
3487	ok	4.12
3488	ok	0.34
3489	ok	0.38
3490	ok	0.24
3491	ok	0.35
3492	ok	0.35
3493	ok	1.01
3494	ok	3.62
3495	ok	0.30
3496	ok	0.99
3497	ok	0.26
3498	ok	0.27
3499	ok	0.55
3500	ok	0.80
3501	ok	3.44
3502	ok	0.57
3503	ok	2.06
3504	ok	0.33
3505	ok	0.27
3506	ok	0.41
3507	ok	0.93
3508	ok	3.65
3509	ok	0.67
3510	ok	0.76
3511	ok	0.81
3512	ok	1.06
3513	ok	2.37

3514	ok Av	5.03	0.03	0.20	0.7	5.7	17.4	132.6
3515	ok	0.52						
3516	ok	0.62						
3517	ok	0.71						
3518	ok	1.11						
3519	ok	1.99						
3520	ok	2.90						
3521	ok	0.43						
3522	ok	0.52						
3523	ok	0.61						
3524	ok	0.95						
3525	ok	1.02						
3526	ok	3.38						
3527	ok	0.36						
3528	ok	0.42						
3529	ok	0.53						
3530	ok	0.62						
3531	ok	1.09						
3532	ok	2.81						
3533	ok	0.30						
3534	ok	0.35						
3535	ok	0.36						
3536	ok	0.53						
3537	ok	0.82						
3538	ok	2.76						
3539	ok	0.27						
3540	ok	0.27						
3541	ok	0.32						
3542	ok	0.47						
3543	ok	0.92						
3544	ok	3.00						
3545	ok	0.23						
3546	ok	0.26						
3547	ok	0.31						
3548	ok	0.38						
3549	ok	1.21						
3550	ok	3.37						
3551	ok	0.23						
3552	ok	0.26						
3553	ok	0.30						
3554	ok	0.58						
3555	ok	0.82						
3556	ok	2.61						
3557	ok	0.23						
3558	ok	0.26						
3559	ok	0.39						
3560	ok	0.41						
3561	ok	0.95						
3562	ok	2.45						
3563	ok	0.23						
3564	ok	0.27						
3565	ok	0.29						
3566	ok	0.75						
3567	ok	0.86						
3568	ok	3.19						
3569	ok	0.23						
3570	ok	0.25						
3571	ok	0.43						
3572	ok	0.44						
3573	ok	2.02						
3574	ok Av	5.62	0.09	0.20	2.5	5.9	59.0	137.5
3575	ok	0.22						
3576	ok	0.29						
3577	ok	0.30						
3578	ok	0.66						
3579	ok	0.89						
3580	ok	4.71						
3581	ok	0.21						
3582	ok	0.26						
3583	ok	0.39						
3584	ok	0.41						
3585	ok	0.66						
3586	ok	1.84						
3587	ok	0.20						
3588	ok	0.27						
3589	ok	0.29						
3590	ok	0.58						

3591 ok 0.70
3592 ok 3.45

Nodo **Max tau** **Ver V pr** **Ver V sec** **Af V pr** **Af V sec** **V pr** **V sec**
7.39 0.28 0.28 8.20 8.20 192.06 192.08

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
14	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
100	ok	0.09	0.1	4.33e-02	5.7	5.7	7.1	7.1	-159.2	52.6	56.2	-660.1	-285.7	-231.9
120	ok	0.09	0.1	4.37e-02	5.7	5.7	7.1	7.1	-155.6	36.3	75.4	-539.9	-397.5	-119.6
124	ok	0.09	0.1	4.19e-02	5.7	5.7	7.1	7.1	-139.1	12.2	75.7	-507.7	-277.8	42.0
128	ok	0.09	0.1	3.85e-02	5.7	5.7	7.1	7.1	-121.3	-4.3	73.6	-399.5	-220.0	89.5
132	ok	0.09	0.1	3.48e-02	5.7	5.7	7.1	7.1	-106.3	-22.6	69.2	-327.4	-168.6	133.4
136	ok	0.09	0.1	3.12e-02	5.7	5.7	7.1	7.1	-91.5	-24.6	62.1	-270.8	-155.0	133.0
140	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-77.5	-30.4	54.5	-296.1	-87.5	130.7
144	ok	0.09	0.1	3.42e-02	5.7	5.7	7.1	7.1	-75.3	-28.3	45.1	-241.9	-49.2	104.4
148	ok	0.09	0.1	3.59e-02	5.7	5.7	7.1	7.1	-18.6	-37.6	-122.3	84.9	-14.1	-132.2
152	ok	0.09	0.1	3.70e-02	5.7	5.7	7.1	7.1	-82.4	-33.4	-76.1	-80.2	-25.4	-50.3
156	ok	0.09	0.1	3.80e-02	5.7	5.7	7.1	7.1	-103.8	-23.2	-74.9	-67.5	-0.3	-44.1
160	ok	0.09	0.1	3.83e-02	5.7	5.7	7.1	7.1	-122.5	-14.2	-65.3	-55.4	20.1	-22.3
164	ok	0.09	0.1	3.74e-02	5.7	5.7	7.1	7.1	-76.6	13.0	-115.3	169.9	52.0	-61.3
168	ok	0.09	0.2	3.79e-02	5.7	5.7	7.1	7.1	-123.1	-19.1	65.9	-195.7	342.5	139.5
172	ok	0.09	0.2	3.95e-02	5.7	5.7	7.1	7.1	-115.1	-22.8	84.0	-166.7	347.4	155.2
176	ok	0.09	0.2	3.97e-02	5.7	5.7	7.1	7.1	-99.4	-28.8	93.6	-126.3	300.6	167.1
180	ok	0.09	0.2	3.87e-02	5.7	5.7	7.1	7.1	-80.7	-35.1	101.8	-80.9	280.1	159.6
184	ok	0.09	0.2	3.69e-02	5.7	5.7	7.1	7.1	-62.7	-41.9	102.1	-41.5	286.4	140.8
188	ok	0.09	0.2	3.46e-02	5.7	5.7	7.1	7.1	-49.4	-48.6	92.2	-16.1	22.5	113.5
192	ok	0.09	0.2	3.30e-02	5.7	5.7	7.1	7.1	-42.2	-49.9	83.5	108.2	20.3	79.5
196	ok	0.09	0.2	3.58e-02	5.7	5.7	7.1	7.1	-42.8	-15.4	-120.2	438.6	85.0	-33.5
200	ok	0.09	0.2	3.78e-02	5.7	5.7	7.1	7.1	-54.1	-11.5	-119.9	411.0	86.9	-56.5
204	ok	0.09	0.2	3.95e-02	5.7	5.7	7.1	7.1	-69.8	-5.3	-119.4	398.6	93.7	-64.9
208	ok	0.09	0.2	4.06e-02	5.7	5.7	7.1	7.1	-84.8	-9.0	-116.9	-146.0	13.7	99.2
212	ok	0.09	0.2	3.96e-02	5.7	5.7	7.1	7.1	-95.4	-6.8	-105.7	-164.7	14.9	113.6
216	ok	0.09	0.2	3.73e-02	5.7	5.7	7.1	7.1	-97.3	-8.4	-91.6	-175.1	13.7	139.0
220	ok	0.09	0.2	3.99e-02	5.7	5.7	7.1	7.1	-96.3	3.4	102.9	391.0	110.3	45.9
224	ok	0.09	0.2	4.08e-02	5.7	5.7	7.1	7.1	-85.9	-0.1	115.2	403.0	104.6	62.1
228	ok	0.09	0.2	4.03e-02	5.7	5.7	7.1	7.1	-70.9	-5.9	121.8	417.1	97.8	66.8
232	ok	0.09	0.2	3.86e-02	5.7	5.7	7.1	7.1	-55.0	-12.2	122.5	425.8	90.8	58.6
236	ok	0.09	0.2	3.64e-02	5.7	5.7	7.1	7.1	-42.2	-17.0	118.0	421.0	84.6	40.5
240	ok	0.09	0.2	3.38e-02	5.7	5.7	7.1	7.1	-32.7	-18.0	116.2	321.3	82.8	12.0
244	ok	0.09	0.2	3.40e-02	5.7	5.7	7.1	7.1	-48.3	-47.5	-90.6	-42.5	17.9	-111.2
248	ok	0.09	0.2	3.63e-02	5.7	5.7	7.1	7.1	-61.4	-40.9	-100.6	-65.8	268.6	-138.0
252	ok	0.09	0.2	3.81e-02	5.7	5.7	7.1	7.1	-79.1	-34.2	-100.3	-103.3	263.9	-156.5
256	ok	0.09	0.2	3.90e-02	5.7	5.7	7.1	7.1	-97.7	-27.5	-92.1	-167.1	287.4	-121.7
260	ok	0.09	0.2	3.88e-02	5.7	5.7	7.1	7.1	-113.0	-21.7	-82.6	-205.7	340.1	-106.7
264	ok	0.09	0.1	3.71e-02	5.7	5.7	7.1	7.1	-120.5	-18.0	-64.4	-233.9	333.9	-90.5
268	ok	0.09	0.1	3.79e-02	5.7	5.7	7.1	7.1	-119.3	-19.9	-47.6	-245.3	16.4	-66.2
272	ok	0.09	0.1	3.91e-02	5.7	5.7	7.1	7.1	-118.9	-14.9	69.2	-55.6	20.1	31.1
276	ok	0.09	0.1	3.88e-02	5.7	5.7	7.1	7.1	-98.9	-24.6	78.8	-65.6	0.3	52.9
280	ok	0.09	0.1	3.74e-02	5.7	5.7	7.1	7.1	-76.0	-35.6	79.8	-75.9	-24.2	58.5
284	ok	0.09	0.1	3.65e-02	5.7	5.7	7.1	7.1	-15.2	-40.3	125.0	90.2	-11.8	141.2
288	ok	0.09	0.1	3.47e-02	5.7	5.7	7.1	7.1	-1.6	-41.7	112.9	69.0	-41.6	126.4
292	ok	0.09	0.1	3.03e-02	5.7	5.7	7.1	7.1	11.1	-48.9	98.5	-291.0	-100.7	-25.4
296	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-73.9	-29.8	-65.7	-341.1	-149.9	-143.7
300	ok	0.09	0.1	3.43e-02	5.7	5.7	7.1	7.1	-95.1	-27.8	-74.7	-323.2	-162.3	-149.7
304	ok	0.09	0.1	3.88e-02	5.7	5.7	7.1	7.1	-113.2	-8.8	-81.2	-399.6	-214.7	-112.7
308	ok	0.09	0.1	4.29e-02	5.7	5.7	7.1	7.1	-136.2	8.7	-84.1	-485.9	-269.9	-53.7
312	ok	0.09	0.1	4.53e-02	5.7	5.7	7.1	7.1	-156.4	34.5	-83.0	-547.6	-395.7	99.4
316	ok	0.09	0.2	4.69e-02	5.7	5.7	7.1	7.1	-126.0	50.9	-62.8	-1353.1	-288.1	239.4
1239	ok	0.09	0.1	3.80e-02	5.7	5.7	7.1	7.1	-136.8	32.7	46.8	-143.9	-251.6	-274.6
1240	ok	0.09	0.1	3.96e-02	5.7	5.7	7.1	7.1	-142.8	21.7	42.9	-116.1	-225.8	-226.3
1241	ok	0.09	0.1	4.24e-02	5.7	5.7	7.1	7.1	-145.5	17.6	39.4	-98.3	-231.0	-180.8
1242	ok	0.09	0.1	4.45e-02	5.7	5.7	7.1	7.1	-182.0	2.4	-22.6	84.2	-29.0	228.7
1243	ok	0.09	0.2	4.62e-02	5.7	5.7	7.1	7.1	-181.2	-7.7	-34.6	90.0	25.4	339.7
1244	ok	0.09	0.2	4.76e-02	5.7	5.7	7.1	7.1	-183.2	-12.3	-44.4	96.0	52.6	423.1
1245	ok	0.09	9.71e-02	4.12e-02	5.7	5.7	7.1	7.1	-158.4	27.1	50.7	-220.3	-380.2	-178.8
1246	ok	0.09	0.1	3.74e-02	5.7	5.7	7.1	7.1	-135.9	16.2	40.5	-145.9	-247.7	-155.6

1247	ok	0.09	0.1	3.86e-02	5.7	5.7	7.1	7.1	-134.5	12.1	36.6	-130.7	-214.8	-195.4
1248	ok	0.09	0.1	4.02e-02	5.7	5.7	7.1	7.1	-139.5	8.0	30.0	-95.7	-180.3	-224.3
1249	ok	0.09	0.1	4.16e-02	5.7	5.7	7.1	7.1	-158.9	-14.2	-39.8	50.2	42.0	76.4
1250	ok	0.09	0.1	4.28e-02	5.7	5.7	7.1	7.1	-159.8	-17.9	-48.5	58.2	61.7	76.1
1251	ok	0.09	0.1	4.14e-02	5.7	5.7	7.1	7.1	-149.4	12.9	57.6	-275.4	-356.1	-23.8
1252	ok	0.09	8.32e-02	3.63e-02	5.7	5.7	7.1	7.1	-127.4	10.8	42.2	-132.1	-316.0	-21.9
1253	ok	0.09	8.22e-02	3.53e-02	5.7	5.7	7.1	7.1	-123.4	7.8	33.6	-91.3	-268.5	-37.5
1254	ok	0.09	8.88e-02	3.65e-02	5.7	5.7	7.1	7.1	-133.6	-15.5	-35.9	-30.8	-17.5	60.1
1255	ok	0.09	9.79e-02	3.76e-02	5.7	5.7	7.1	7.1	-139.0	-19.7	-43.8	52.5	22.0	53.0
1256	ok	0.09	9.57e-02	3.85e-02	5.7	5.7	7.1	7.1	-138.0	-22.9	-51.5	60.6	43.4	49.1
1257	ok	0.09	0.1	3.93e-02	5.7	5.7	7.1	7.1	-120.9	4.3	55.1	-225.9	-284.7	-18.4
1258	ok	0.09	7.95e-02	3.50e-02	5.7	5.7	7.1	7.1	-117.4	4.3	41.6	-123.6	-288.5	-10.0
1259	ok	0.09	6.87e-02	3.21e-02	5.7	5.7	7.1	7.1	-123.0	-9.50e-02	33.1	-43.4	-222.5	-8.5
1260	ok	0.09	7.20e-02	3.33e-02	5.7	5.7	7.1	7.1	-116.9	-21.2	-39.9	-30.2	-37.7	43.7
1261	ok	0.09	6.24e-02	3.41e-02	5.7	5.7	7.1	7.1	-121.0	-24.4	-46.7	56.2	3.6	39.3
1262	ok	0.09	5.86e-02	3.46e-02	5.7	5.7	7.1	7.1	-118.2	-26.8	-52.9	65.2	25.3	36.8
1263	ok	0.09	0.1	3.65e-02	5.7	5.7	7.1	7.1	-120.2	-9.5	59.5	-207.6	-221.6	47.4
1264	ok	0.09	7.43e-02	3.30e-02	5.7	5.7	7.1	7.1	-105.4	-2.6	40.8	-105.3	-247.7	4.5
1265	ok	0.09	6.82e-02	3.00e-02	5.7	5.7	7.1	7.1	-100.8	-26.3	-36.8	-57.3	-77.9	27.7
1266	ok	0.09	6.92e-02	3.07e-02	5.7	5.7	7.1	7.1	-101.9	-26.1	-43.4	-30.3	-49.0	28.4
1267	ok	0.09	6.53e-02	3.12e-02	5.7	5.7	7.1	7.1	-105.1	-27.9	-48.5	58.8	-9.7	26.3
1268	ok	0.09	6.88e-02	3.11e-02	5.7	5.7	7.1	7.1	-100.9	-29.4	-46.6	69.1	10.6	-29.7
1269	ok	0.09	0.1	3.35e-02	5.7	5.7	7.1	7.1	-106.7	-17.9	56.3	-178.7	-167.4	76.2
1270	ok	0.09	8.19e-02	3.08e-02	5.7	5.7	7.1	7.1	-92.0	-10.9	39.8	-74.0	-162.9	23.0
1271	ok	0.09	7.58e-02	2.82e-02	5.7	5.7	7.1	7.1	-88.3	-31.0	-38.9	-58.6	-75.0	-27.3
1272	ok	0.09	6.85e-02	2.88e-02	5.7	5.7	7.1	7.1	-89.1	-29.4	-43.2	-30.0	-52.5	-26.6
1273	ok	0.09	7.32e-02	2.93e-02	5.7	5.7	7.1	7.1	-91.6	-30.1	-45.5	60.8	-17.3	-29.5
1274	ok	0.09	8.15e-02	2.98e-02	5.7	5.7	7.1	7.1	-86.3	-30.5	-45.7	72.0	0.1	-39.0
1275	ok	0.09	0.1	3.00e-02	5.7	5.7	7.1	7.1	-91.5	-24.7	52.0	-224.4	-95.7	96.7
1276	ok	0.09	9.19e-02	2.96e-02	5.7	5.7	7.1	7.1	-93.5	-17.3	43.8	-125.8	-110.3	28.4
1277	ok	0.09	7.02e-02	2.95e-02	5.7	5.7	7.1	7.1	-79.1	-33.5	-44.3	-56.2	-65.7	-34.4
1278	ok	0.09	7.75e-02	2.96e-02	5.7	5.7	7.1	7.1	-84.1	-32.0	-45.6	44.8	-35.5	-36.1
1279	ok	0.09	8.48e-02	2.96e-02	5.7	5.7	7.1	7.1	-80.7	-30.9	-45.9	62.5	-19.8	-38.4
1280	ok	0.09	9.50e-02	2.96e-02	5.7	5.7	7.1	7.1	-41.9	-32.6	-79.7	-53.1	65.2	-35.2
1281	ok	0.09	0.1	3.31e-02	5.7	5.7	7.1	7.1	-18.6	-32.8	-113.4	124.2	-21.2	-80.7
1282	ok	0.09	8.66e-02	3.15e-02	5.7	5.7	7.1	7.1	-71.4	-37.6	-50.4	-79.7	-60.7	-35.0
1283	ok	0.09	7.58e-02	3.08e-02	5.7	5.7	7.1	7.1	-73.6	-33.7	-48.6	-46.2	-52.6	-43.3
1284	ok	0.09	8.60e-02	3.03e-02	5.7	5.7	7.1	7.1	-35.6	-28.8	-92.5	-64.8	-40.3	-44.8
1285	ok	0.09	9.59e-02	2.98e-02	5.7	5.7	7.1	7.1	-36.8	-30.3	-89.6	-73.8	-36.0	-33.2
1286	ok	0.09	0.1	2.95e-02	5.7	5.7	7.1	7.1	-36.4	-32.2	-87.6	-84.5	-35.5	-16.2
1287	ok	0.09	0.1	3.57e-02	5.7	5.7	7.1	7.1	-28.4	-28.9	-118.5	134.4	-1.6	-120.3
1288	ok	0.09	8.56e-02	3.31e-02	5.7	5.7	7.1	7.1	-72.4	-34.7	-55.8	-64.2	-43.6	-33.4
1289	ok	0.09	7.88e-02	3.18e-02	5.7	5.7	7.1	7.1	-32.4	-24.7	-101.2	-61.9	-60.7	-56.3
1290	ok	0.09	9.28e-02	3.08e-02	5.7	5.7	7.1	7.1	-33.9	-28.1	-90.4	-77.0	-35.8	-79.9
1291	ok	0.09	0.1	3.00e-02	5.7	5.7	7.1	7.1	-33.7	-28.9	-92.4	-94.0	-65.6	-37.3
1292	ok	0.09	0.1	2.93e-02	5.7	5.7	7.1	7.1	-32.1	-30.9	-89.1	-106.6	-71.4	-19.1
1293	ok	0.09	0.1	3.73e-02	5.7	5.7	7.1	7.1	-80.3	-31.6	-66.3	-68.9	-26.4	-14.6
1294	ok	0.09	8.63e-02	3.43e-02	5.7	5.7	7.1	7.1	-37.0	-21.3	-114.4	93.1	-13.5	-47.5
1295	ok	0.09	8.02e-02	3.24e-02	5.7	5.7	7.1	7.1	-34.4	-23.0	-98.9	-66.9	-52.1	-88.1
1296	ok	0.09	9.85e-02	3.11e-02	5.7	5.7	7.1	7.1	-33.5	-25.4	-93.4	-92.7	-57.8	-81.2
1297	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-31.8	-27.3	-89.5	-109.2	-63.9	-66.2
1298	ok	0.09	0.1	2.92e-02	5.7	5.7	7.1	7.1	-29.0	-28.8	-85.5	-125.1	-72.3	-48.2
1299	ok	0.09	0.1	3.76e-02	5.7	5.7	7.1	7.1	-45.7	-21.5	-116.6	44.0	4.9	-64.0
1300	ok	0.09	8.87e-02	3.47e-02	5.7	5.7	7.1	7.1	-43.3	-17.4	-110.8	104.4	-3.4	-76.2
1301	ok	0.09	8.00e-02	3.26e-02	5.7	5.7	7.1	7.1	-36.9	-18.9	-100.6	-72.6	-61.4	-85.3
1302	ok	0.09	0.1	3.12e-02	5.7	5.7	7.1	7.1	-33.9	-22.3	-95.1	-106.1	-72.9	-80.0
1303	ok	0.09	0.1	3.00e-02	5.7	5.7	7.1	7.1	-30.8	-24.8	-90.9	-127.9	-83.8	-65.9
1304	ok	0.09	0.1	2.89e-02	5.7	5.7	7.1	7.1	-27.0	-26.4	-86.4	-148.7	-96.7	-48.0
1305	ok	0.09	0.1	3.59e-02	5.7	5.7	7.1	7.1	-107.4	-18.2	-60.6	54.3	10.5	73.2
1306	ok	0.09	9.20e-02	3.46e-02	5.7	5.7	7.1	7.1	-45.6	-13.3	-106.3	-39.1	-43.7	-78.1
1307	ok	0.09	7.90e-02	3.25e-02	5.7	5.7	7.1	7.1	-39.4	-15.4	-100.6	-76.2	-66.0	-81.0
1308	ok	0.09	0.1	3.11e-02	5.7	5.7	7.1	7.1	-34.7	-19.4	-95.6	-117.5	-81.8	-77.2
1309	ok	0.09	0.1	2.98e-02	5.7	5.7	7.1	7.1	-30.5	-22.2	-91.4	-145.2	-96.3	-64.2
1310	ok	0.09	0.2	2.86e-02	5.7	5.7	7.1	7.1	-25.8	-23.9	-86.6	-171.5	-112.5	-47.1
1311	ok	0.09	0.2	3.46e-02	5.7	5.7	7.1	7.1	-106.4	-18.9	53.9	-117.0	227.7	147.6
1312	ok	0.09	9.52e-02	3.39e-02	5.7	5.7	7.1	7.1	-48.7	-11.0	-103.1	-27.8	-32.9	-71.6
1313	ok	0.09	7.84e-02	3.21e-02	5.7	5.7	7.1	7.1	-41.1	-12.8	-99.2	-78.0	-66.2	-76.1
1314	ok	0.09	0.1	3.08e-02	5.7	5.7	7.1	7.1	-35.3	-16.9	-95.2	-127.1	-85.7	-73.5
1315	ok	0.09	0.1	2.95e-02	5.7	5.7	7.1	7.1	-30.4	-19.7	-91.4	-160.8	-102.8	-61.8
1316	ok	0.09	0.2	2.83e-02	5.7	5.7	7.1	7.1	-25.1	-21.4	-86.5	-192.6	-121.0	-45.9
1317	ok	0.09	0.2	3.43e-02	5.7	5.7	7.1	7.1	-106.9	-18.0	66.0	-110.3	215.7	138.0
1318	ok	0.09	9.77e-02	3.30e-02	5.7	5.7	7.1	7.1	-90.0	-8.6	64.4	8.2	28.8	69.2
1319	ok	0.09	8.17e-02	3.16e-02	5.7	5.7	7.1	7.1	-41.6	-11.4	-97.3	-78.5	-63.1	-70.7
1320	ok	0.09	0.1	3.05e-02	5.7	5.7	7.1	7.1	-35.6	-15.0	-94.4	-135.2	-85.4	-69.3
1321	ok	0.09	0.1	2.92e-02	5.7	5.7	7.1	7.1	-30.5	-17.5	-91.0	-174.4	-104.4	-59.0
1322	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-24.9	-18.8	-86.1	-211.4	-124.1	-44.8
1323	ok	0.09	0.2	3.57e-02	5.7	5.7	7.1	7.1	-102.2	-20.0	78.0	-97.8	214.6	129.4

1324	ok	0.09	9.88e-02	3.21e-02	5.7	5.7	7.1	7.1	-80.1	-9.5	71.0	105.4	81.5	30.7
1325	ok	0.09	8.62e-02	3.11e-02	5.7	5.7	7.1	7.1	-73.0	-10.1	70.1	131.1	101.3	59.5
1326	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-35.5	-13.7	-93.5	-141.8	-82.1	-65.0
1327	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-30.6	-15.5	-90.6	-185.7	-102.4	-56.1
1328	ok	0.09	0.2	2.77e-02	5.7	5.7	7.1	7.1	-25.1	-16.3	-85.6	-226.4	-122.9	-43.9
1329	ok	0.09	0.2	3.65e-02	5.7	5.7	7.1	7.1	-92.6	-24.4	87.7	-79.5	225.5	122.5
1330	ok	0.09	9.86e-02	3.18e-02	5.7	5.7	7.1	7.1	-72.9	-11.7	78.5	98.1	55.4	69.7
1331	ok	0.09	9.02e-02	3.08e-02	5.7	5.7	7.1	7.1	-68.3	-11.4	76.0	145.2	106.6	56.3
1332	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-35.2	-12.7	-93.1	-146.8	-76.9	-60.5
1333	ok	0.09	0.2	2.88e-02	5.7	5.7	7.1	7.1	-30.8	-13.7	-90.3	-194.1	-98.1	-53.2
1334	ok	0.09	0.2	2.74e-02	5.7	5.7	7.1	7.1	-25.7	-13.9	-85.2	-236.2	-118.8	-43.2
1335	ok	0.09	0.2	3.62e-02	5.7	5.7	7.1	7.1	-80.2	-29.9	93.4	-57.6	245.5	117.1
1336	ok	0.09	9.73e-02	3.18e-02	5.7	5.7	7.1	7.1	-65.1	-14.1	83.0	116.0	60.5	65.4
1337	ok	0.09	9.35e-02	3.07e-02	5.7	5.7	7.1	7.1	-62.9	-12.9	80.4	158.9	107.1	53.4
1338	ok	0.09	0.1	2.98e-02	5.7	5.7	7.1	7.1	-34.8	-11.9	-93.3	-149.9	-70.6	-56.0
1339	ok	0.09	0.2	2.87e-02	5.7	5.7	7.1	7.1	-31.1	-11.9	-90.4	-198.4	-92.3	-50.4
1340	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-26.5	-11.5	-85.1	-238.2	-112.9	-42.7
1341	ok	0.09	0.2	3.51e-02	5.7	5.7	7.1	7.1	-67.4	-33.2	93.6	-36.1	224.3	68.1
1342	ok	0.09	9.55e-02	3.20e-02	5.7	5.7	7.1	7.1	-63.3	-25.5	87.6	73.6	191.0	50.7
1343	ok	0.09	9.62e-02	3.10e-02	5.7	5.7	7.1	7.1	-57.2	-14.0	84.0	172.7	117.4	19.1
1344	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-34.7	-11.0	-94.0	-150.3	-64.4	-51.7
1345	ok	0.09	0.2	2.87e-02	5.7	5.7	7.1	7.1	-31.6	-10.1	-90.9	-197.4	-86.2	-47.6
1346	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-31.3	-8.9	-85.3	-309.7	-106.5	-42.3
1347	ok	0.09	0.2	3.34e-02	5.7	5.7	7.1	7.1	-52.3	-35.5	90.8	62.2	248.5	25.5
1348	ok	0.09	9.35e-02	3.19e-02	5.7	5.7	7.1	7.1	-51.5	-26.8	84.8	146.4	218.1	56.7
1349	ok	0.09	9.82e-02	3.15e-02	5.7	5.7	7.1	7.1	-52.7	-14.1	84.1	183.0	96.6	48.7
1350	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-35.2	-9.7	-95.2	-146.9	-58.7	-47.6
1351	ok	0.09	0.2	2.87e-02	5.7	5.7	7.1	7.1	-32.4	-8.1	-91.7	-190.6	-80.4	-45.1
1352	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-30.3	-6.3	-85.9	-330.8	-100.0	-42.0
1353	ok	0.09	0.2	3.33e-02	5.7	5.7	7.1	7.1	-41.7	-14.8	-110.7	299.3	92.9	-18.7
1354	ok	0.09	9.31e-02	3.27e-02	5.7	5.7	7.1	7.1	-47.7	-26.3	85.4	157.0	204.5	20.5
1355	ok	0.09	9.95e-02	3.21e-02	5.7	5.7	7.1	7.1	-49.3	-14.3	86.3	191.6	104.6	14.4
1356	ok	0.09	0.1	3.04e-02	5.7	5.7	7.1	7.1	-36.3	-8.0	-96.4	-138.4	-54.0	-43.8
1357	ok	0.09	0.2	2.88e-02	5.7	5.7	7.1	7.1	-35.3	-5.9	-92.6	-257.2	-75.4	-42.7
1358	ok	0.09	0.2	2.76e-02	5.7	5.7	7.1	7.1	-30.0	-3.7	-89.8	323.9	156.8	99.0
1359	ok	0.09	0.2	3.51e-02	5.7	5.7	7.1	7.1	-49.8	-14.0	-114.0	384.9	93.5	-60.1
1360	ok	0.09	9.47e-02	3.36e-02	5.7	5.7	7.1	7.1	-50.6	-11.0	-108.2	259.6	53.1	-19.8
1361	ok	0.09	0.1	3.21e-02	5.7	5.7	7.1	7.1	-40.7	-6.9	-105.1	-98.4	-78.4	-1.8
1362	ok	0.09	0.1	3.06e-02	5.7	5.7	7.1	7.1	-40.2	-6.1	-97.4	-166.4	-50.0	-40.5
1363	ok	0.09	0.2	2.92e-02	5.7	5.7	7.1	7.1	-35.5	-3.6	-93.4	-263.5	-71.3	-40.5
1364	ok	0.09	0.2	2.75e-02	5.7	5.7	7.1	7.1	-31.0	-1.2	-90.6	339.4	157.5	100.8
1365	ok	0.09	0.2	3.64e-02	5.7	5.7	7.1	7.1	-58.5	-10.5	-115.1	411.7	88.2	-32.5
1366	ok	0.09	9.54e-02	3.43e-02	5.7	5.7	7.1	7.1	-54.0	-8.4	-109.9	239.2	48.2	35.4
1367	ok	0.09	0.1	3.25e-02	5.7	5.7	7.1	7.1	-45.8	-5.3	-102.3	-56.5	-72.6	-32.9
1368	ok	0.09	0.1	3.09e-02	5.7	5.7	7.1	7.1	-40.8	-4.1	-97.8	-175.6	-45.3	-37.8
1369	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-36.0	-3.0	-96.1	324.6	146.0	116.8
1370	ok	0.09	0.2	2.75e-02	5.7	5.7	7.1	7.1	-35.0	0.5	-96.3	371.6	161.1	119.1
1371	ok	0.09	0.2	3.70e-02	5.7	5.7	7.1	7.1	-68.5	-5.9	-113.1	418.7	86.6	-32.4
1372	ok	0.09	9.66e-02	3.44e-02	5.7	5.7	7.1	7.1	-59.8	-5.2	-106.5	245.2	46.2	0.3
1373	ok	0.09	0.1	3.24e-02	5.7	5.7	7.1	7.1	-47.9	-7.6	-99.7	214.6	110.2	24.4
1374	ok	0.09	0.2	3.02e-02	5.7	5.7	7.1	7.1	-42.1	-6.0	-99.9	283.8	137.3	133.9
1375	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-37.0	-1.2	-95.7	336.3	146.1	118.9
1376	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-35.6	2.4	-96.0	382.1	160.7	121.3
1377	ok	0.09	0.2	3.70e-02	5.7	5.7	7.1	7.1	-76.8	-10.3	-106.4	-96.7	18.7	172.3
1378	ok	0.09	0.1	3.36e-02	5.7	5.7	7.1	7.1	-64.1	-7.9	-98.0	42.3	57.1	155.0
1379	ok	0.09	0.1	3.16e-02	5.7	5.7	7.1	7.1	-50.7	-6.2	-101.4	219.6	108.0	147.2
1380	ok	0.09	0.2	3.05e-02	5.7	5.7	7.1	7.1	-43.6	-3.3	-98.3	292.2	118.9	135.4
1381	ok	0.09	0.2	2.86e-02	5.7	5.7	7.1	7.1	-37.7	0.3	-94.6	345.6	146.0	120.6
1382	ok	0.09	0.2	2.70e-02	5.7	5.7	7.1	7.1	-35.9	3.2	-89.9	391.0	162.2	81.7
1383	ok	0.09	0.2	3.58e-02	5.7	5.7	7.1	7.1	-81.5	-8.8	-98.2	-95.8	15.4	165.1
1384	ok	0.09	0.1	3.36e-02	5.7	5.7	7.1	7.1	-62.8	-7.5	-100.2	130.1	74.2	173.8
1385	ok	0.09	0.1	3.17e-02	5.7	5.7	7.1	7.1	-52.6	-5.7	-98.4	222.4	105.2	166.7
1386	ok	0.09	0.2	3.00e-02	5.7	5.7	7.1	7.1	-44.5	-2.7	-96.4	293.3	121.9	155.2
1387	ok	0.09	0.2	2.83e-02	5.7	5.7	7.1	7.1	-41.4	0.6	-95.9	335.5	140.9	151.5
1388	ok	0.09	0.2	2.67e-02	5.7	5.7	7.1	7.1	-31.4	6.2	-90.0	370.0	152.5	123.7
1389	ok	0.09	0.2	3.42e-02	5.7	5.7	7.1	7.1	-82.2	-1.3	89.7	469.4	90.6	-111.0
1390	ok	0.09	0.1	3.25e-02	5.7	5.7	7.1	7.1	-68.1	-2.4	91.8	282.5	55.6	-145.5
1391	ok	0.09	0.1	3.10e-02	5.7	5.7	7.1	7.1	-52.8	-6.2	-94.4	236.2	108.0	162.8
1392	ok	0.09	0.2	2.95e-02	5.7	5.7	7.1	7.1	-44.3	-2.3	-93.6	312.4	132.4	152.6
1393	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-40.9	0.9	-90.7	353.7	141.9	114.4
1394	ok	0.09	0.2	2.64e-02	5.7	5.7	7.1	7.1	-31.1	8.7	88.1	-335.0	-87.3	35.1
1395	ok	0.09	0.2	3.61e-02	5.7	5.7	7.1	7.1	-82.7	-0.4	100.2	453.9	88.6	39.8
1396	ok	0.09	9.70e-02	3.38e-02	5.7	5.7	7.1	7.1	-68.7	-3.6	100.2	274.3	42.3	-25.4
1397	ok	0.09	0.1	3.20e-02	5.7	5.7	7.1	7.1	-57.5	-1.4	97.5	109.7	31.6	21.7
1398	ok	0.09	0.1	3.02e-02	5.7	5.7	7.1	7.1	-45.2	0.1	95.2	-176.0	-43.1	28.2
1399	ok	0.09	0.2	2.85e-02	5.7	5.7	7.1	7.1	-38.5	3.7	93.1	-265.0	-70.7	30.6
1400	ok	0.09	0.2	2.69e-02	5.7	5.7	7.1	7.1	-32.1	7.6	89.3	-342.5	-91.5	35.1

1401	ok	0.09	0.2	3.73e-02	5.7	5.7	7.1	7.1	-78.1	-2.5	109.4	446.6	89.1	34.0
1402	ok	0.09	9.69e-02	3.48e-02	5.7	5.7	7.1	7.1	-66.0	-4.4	105.9	267.7	53.5	-29.8
1403	ok	0.09	0.1	3.26e-02	5.7	5.7	7.1	7.1	-56.2	-3.1	103.6	103.0	31.9	-14.0
1404	ok	0.09	0.1	3.08e-02	5.7	5.7	7.1	7.1	-44.4	-1.0	97.5	-185.9	-47.1	25.7
1405	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-38.4	2.5	94.5	-275.3	-76.5	29.2
1406	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-32.8	6.1	90.0	-352.2	-96.9	34.9
1407	ok	0.09	0.2	3.77e-02	5.7	5.7	7.1	7.1	-69.5	-6.5	115.5	438.5	90.6	31.6
1408	ok	0.09	9.61e-02	3.51e-02	5.7	5.7	7.1	7.1	-60.9	-6.4	110.1	260.2	52.2	-33.3
1409	ok	0.09	0.1	3.30e-02	5.7	5.7	7.1	7.1	-48.5	-3.4	103.3	-78.2	-78.8	16.3
1410	ok	0.09	0.1	3.12e-02	5.7	5.7	7.1	7.1	-42.8	-2.5	99.1	-196.7	-54.5	23.6
1411	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-37.8	0.8	95.4	-286.2	-82.8	27.9
1412	ok	0.09	0.2	2.76e-02	5.7	5.7	7.1	7.1	-32.9	4.1	90.2	-362.1	-103.0	34.4
1413	ok	0.09	0.2	3.71e-02	5.7	5.7	7.1	7.1	-59.4	-11.0	117.7	428.7	92.1	31.7
1414	ok	0.09	9.49e-02	3.49e-02	5.7	5.7	7.1	7.1	-54.5	-8.8	112.3	251.3	50.6	-35.7
1415	ok	0.09	0.1	3.30e-02	5.7	5.7	7.1	7.1	-49.4	-6.3	108.3	87.7	-43.1	-18.6
1416	ok	0.09	0.1	3.13e-02	5.7	5.7	7.1	7.1	-40.8	-4.3	99.7	-207.7	-63.6	22.0
1417	ok	0.09	0.2	2.95e-02	5.7	5.7	7.1	7.1	-36.7	-1.3	95.6	-297.2	-89.7	26.8
1418	ok	0.09	0.2	2.78e-02	5.7	5.7	7.1	7.1	-32.6	1.8	89.9	-371.7	-109.9	33.8
1419	ok	0.09	0.2	3.58e-02	5.7	5.7	7.1	7.1	-50.0	-14.9	116.2	409.7	92.2	33.3
1420	ok	0.09	9.31e-02	3.45e-02	5.7	5.7	7.1	7.1	-49.9	-11.1	112.5	257.4	47.8	-37.2
1421	ok	0.09	0.1	3.30e-02	5.7	5.7	7.1	7.1	-41.1	-7.4	107.1	-114.4	-83.0	-19.1
1422	ok	0.09	0.1	3.15e-02	5.7	5.7	7.1	7.1	-39.5	-6.4	99.4	-210.8	-71.7	21.2
1423	ok	0.09	0.2	2.96e-02	5.7	5.7	7.1	7.1	-35.5	-3.7	95.3	-308.1	-97.3	26.1
1424	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-31.9	-0.8	89.3	-380.9	-117.8	32.9
1425	ok	0.09	0.2	3.41e-02	5.7	5.7	7.1	7.1	-42.5	-15.8	112.9	323.6	92.4	-10.8
1426	ok	0.09	9.49e-02	3.36e-02	5.7	5.7	7.1	7.1	-43.4	-12.5	111.0	240.3	43.5	-37.8
1427	ok	0.09	9.92e-02	3.27e-02	5.7	5.7	7.1	7.1	-38.7	-12.3	102.3	-77.4	-33.5	12.8
1428	ok	0.09	0.1	3.09e-02	5.7	5.7	7.1	7.1	-36.4	-8.4	98.6	-252.9	-79.7	21.0
1429	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-34.8	-6.0	94.6	-312.8	-105.9	25.5
1430	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-30.9	-3.6	88.5	-389.6	-126.8	31.9
1431	ok	0.09	0.2	3.28e-02	5.7	5.7	7.1	7.1	-55.7	-35.6	-90.7	-47.5	223.2	-65.0
1432	ok	0.09	9.22e-02	3.25e-02	5.7	5.7	7.1	7.1	-55.1	-26.9	-86.1	68.3	206.9	-14.5
1433	ok	0.09	9.80e-02	3.21e-02	5.7	5.7	7.1	7.1	-37.3	-12.7	100.4	-92.0	-48.9	13.5
1434	ok	0.09	0.1	3.07e-02	5.7	5.7	7.1	7.1	-35.2	-10.1	97.4	-172.2	-88.6	21.4
1435	ok	0.09	0.2	2.92e-02	5.7	5.7	7.1	7.1	-32.3	-8.3	93.8	-215.9	-115.4	25.3
1436	ok	0.09	0.2	2.77e-02	5.7	5.7	7.1	7.1	-30.0	-6.4	87.7	-394.9	-136.4	30.7
1437	ok	0.09	0.2	3.45e-02	5.7	5.7	7.1	7.1	-60.4	-32.6	-90.0	29.5	259.3	-30.3
1438	ok	0.09	9.40e-02	3.26e-02	5.7	5.7	7.1	7.1	-56.2	-17.6	-85.1	144.4	97.9	8.5
1439	ok	0.09	9.59e-02	3.16e-02	5.7	5.7	7.1	7.1	-55.9	-14.0	-83.2	184.0	138.5	18.1
1440	ok	0.09	0.1	3.05e-02	5.7	5.7	7.1	7.1	-34.5	-11.4	96.4	-185.2	-98.4	22.5
1441	ok	0.09	0.2	2.92e-02	5.7	5.7	7.1	7.1	-31.4	-10.4	93.1	-232.8	-125.4	25.4
1442	ok	0.09	0.2	2.77e-02	5.7	5.7	7.1	7.1	-26.8	-7.0	90.4	-272.1	-139.0	2.9
1443	ok	0.09	0.2	3.56e-02	5.7	5.7	7.1	7.1	-78.4	-29.1	-91.8	-78.5	227.5	-118.6
1444	ok	0.09	9.57e-02	3.21e-02	5.7	5.7	7.1	7.1	-63.8	-14.8	-82.0	130.6	88.3	-25.9
1445	ok	0.09	9.33e-02	3.13e-02	5.7	5.7	7.1	7.1	-61.3	-12.4	-80.1	175.1	138.7	18.3
1446	ok	0.09	0.1	3.04e-02	5.7	5.7	7.1	7.1	-34.4	-12.4	95.8	-192.8	-108.7	24.2
1447	ok	0.09	0.2	2.92e-02	5.7	5.7	7.1	7.1	-30.7	-12.4	92.8	-243.6	-135.7	25.8
1448	ok	0.09	0.2	2.78e-02	5.7	5.7	7.1	7.1	-26.0	-11.9	87.2	-282.9	-156.9	28.4
1449	ok	0.09	0.2	3.49e-02	5.7	5.7	7.1	7.1	-90.7	-10.8	-86.3	-119.7	25.3	-79.4
1450	ok	0.09	9.69e-02	3.21e-02	5.7	5.7	7.1	7.1	-71.3	-12.4	-77.6	115.3	87.3	-27.7
1451	ok	0.09	8.99e-02	3.14e-02	5.7	5.7	7.1	7.1	-66.6	-11.7	-75.3	163.6	130.8	-15.3
1452	ok	0.09	0.1	3.05e-02	5.7	5.7	7.1	7.1	-34.7	-13.8	95.3	-142.4	-78.6	65.2
1453	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-30.2	-14.9	92.3	-186.5	-100.9	57.5
1454	ok	0.09	0.2	2.80e-02	5.7	5.7	7.1	7.1	-25.0	-14.5	87.5	-290.4	-166.2	27.6
1455	ok	0.09	0.2	3.43e-02	5.7	5.7	7.1	7.1	-99.9	-6.4	-76.7	-135.8	15.9	-84.8
1456	ok	0.09	9.70e-02	3.27e-02	5.7	5.7	7.1	7.1	-77.5	-10.2	-71.1	99.4	89.7	1.9
1457	ok	0.09	8.60e-02	3.17e-02	5.7	5.7	7.1	7.1	-40.7	-12.1	98.1	-75.6	-57.5	70.3
1458	ok	0.09	0.1	3.08e-02	5.7	5.7	7.1	7.1	-35.0	-14.9	95.9	-138.7	-84.0	70.1
1459	ok	0.09	0.2	2.96e-02	5.7	5.7	7.1	7.1	-29.9	-16.8	92.7	-180.2	-105.3	60.8
1460	ok	0.09	0.2	2.82e-02	5.7	5.7	7.1	7.1	-24.2	-17.1	88.1	-288.0	-173.2	27.0
1461	ok	0.09	0.2	3.49e-02	5.7	5.7	7.1	7.1	-104.4	-18.4	-63.2	-147.0	241.9	-47.9
1462	ok	0.09	9.58e-02	3.36e-02	5.7	5.7	7.1	7.1	-50.0	-11.0	108.4	152.1	-10.1	-20.1
1463	ok	0.09	8.14e-02	3.23e-02	5.7	5.7	7.1	7.1	-41.1	-12.6	99.9	-76.7	-63.5	76.3
1464	ok	0.09	0.1	3.11e-02	5.7	5.7	7.1	7.1	-35.0	-16.3	96.8	-133.1	-87.5	74.9
1465	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-29.8	-18.9	93.3	-170.3	-107.2	64.1
1466	ok	0.09	0.2	2.86e-02	5.7	5.7	7.1	7.1	-23.8	-18.7	91.7	-279.1	-175.2	-0.8
1467	ok	0.09	0.2	3.67e-02	5.7	5.7	7.1	7.1	-103.0	-3.7	-52.8	-153.4	0.3	-101.8
1468	ok	0.09	9.32e-02	3.45e-02	5.7	5.7	7.1	7.1	-49.8	-12.2	112.0	132.9	-18.7	-13.4
1469	ok	0.09	7.83e-02	3.28e-02	5.7	5.7	7.1	7.1	-40.4	-14.2	101.8	-76.8	-67.0	82.1
1470	ok	0.09	0.1	3.15e-02	5.7	5.7	7.1	7.1	-34.7	-18.3	97.7	-125.9	-88.0	79.4
1471	ok	0.09	0.1	3.02e-02	5.7	5.7	7.1	7.1	-29.8	-21.2	93.7	-157.8	-105.5	67.3
1472	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-24.3	-23.0	88.8	-187.6	-123.6	50.7
1473	ok	0.09	0.1	3.77e-02	5.7	5.7	7.1	7.1	-103.7	-19.5	63.8	55.9	10.8	-73.7
1474	ok	0.09	8.97e-02	3.52e-02	5.7	5.7	7.1	7.1	-46.9	-14.9	111.5	114.4	-33.3	30.6
1475	ok	0.09	7.88e-02	3.32e-02	5.7	5.7	7.1	7.1	-38.6	-16.9	103.1	-75.7	-67.1	87.4
1476	ok	0.09	0.1	3.18e-02	5.7	5.7	7.1	7.1	-34.0	-20.9	98.0	-117.1	-84.3	83.4
1477	ok	0.09	0.1	3.05e-02	5.7	5.7	7.1	7.1	-30.0	-23.8	93.8	-143.2	-98.9	70.0

1478	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-25.2	-25.6	89.0	-166.9	-114.5	52.2
1479	ok	0.09	0.1	3.82e-02	5.7	5.7	7.1	7.1	-43.8	-5.2	124.3	35.0	-315.7	-9.2
1480	ok	0.09	8.60e-02	3.53e-02	5.7	5.7	7.1	7.1	-42.1	-18.9	113.2	108.4	-1.9	82.0
1481	ok	0.09	7.96e-02	3.32e-02	5.7	5.7	7.1	7.1	-36.0	-20.6	103.0	-72.7	-63.0	91.9
1482	ok	0.09	0.1	3.19e-02	5.7	5.7	7.1	7.1	-33.3	-24.0	97.4	-106.6	-75.3	86.3
1483	ok	0.09	0.1	3.07e-02	5.7	5.7	7.1	7.1	-30.5	-26.4	93.1	-126.9	-86.0	71.9
1484	ok	0.09	0.1	2.97e-02	5.7	5.7	7.1	7.1	-26.9	-28.1	88.6	-144.5	-98.2	53.2
1485	ok	0.09	0.1	3.79e-02	5.7	5.7	7.1	7.1	-33.0	-27.3	118.9	33.1	-9.5	77.1
1486	ok	0.09	8.32e-02	3.48e-02	5.7	5.7	7.1	7.1	-33.3	-22.8	108.6	-51.8	-60.8	95.7
1487	ok	0.09	7.95e-02	3.29e-02	5.7	5.7	7.1	7.1	-33.4	-24.8	100.9	-67.5	-54.0	94.7
1488	ok	0.09	9.80e-02	3.17e-02	5.7	5.7	7.1	7.1	-33.0	-27.1	95.4	-94.0	-60.0	87.6
1489	ok	0.09	0.1	3.07e-02	5.7	5.7	7.1	7.1	-31.8	-28.9	91.5	-109.2	-65.5	72.2
1490	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-29.3	-29.8	88.3	-194.5	-127.3	25.8
1491	ok	0.09	0.1	3.61e-02	5.7	5.7	7.1	7.1	-25.9	-31.6	120.4	138.0	1.8	125.1
1492	ok	0.09	8.18e-02	3.36e-02	5.7	5.7	7.1	7.1	-29.3	-26.9	112.9	88.7	-22.1	57.6
1493	ok	0.09	7.80e-02	3.22e-02	5.7	5.7	7.1	7.1	-31.7	-28.8	96.7	-59.3	-39.8	95.0
1494	ok	0.09	9.22e-02	3.13e-02	5.7	5.7	7.1	7.1	-33.7	-29.9	91.9	-79.0	-37.4	86.2
1495	ok	0.09	0.1	3.06e-02	5.7	5.7	7.1	7.1	-34.1	-30.7	93.9	-94.9	-66.4	43.1
1496	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-33.0	-32.0	91.6	-172.2	-124.8	-3.9
1497	ok	0.09	0.1	3.35e-02	5.7	5.7	7.1	7.1	-76.9	-30.4	-47.5	-184.4	47.9	-93.1
1498	ok	0.09	8.27e-02	3.18e-02	5.7	5.7	7.1	7.1	-65.3	-41.5	50.2	-75.0	-56.4	34.5
1499	ok	0.09	7.49e-02	3.11e-02	5.7	5.7	7.1	7.1	-31.8	-31.9	90.3	-47.9	-22.3	91.2
1500	ok	0.09	8.52e-02	3.07e-02	5.7	5.7	7.1	7.1	-35.7	-30.7	93.5	-67.1	-41.0	50.8
1501	ok	0.09	9.51e-02	3.04e-02	5.7	5.7	7.1	7.1	-37.7	-32.1	90.7	-75.6	-35.9	38.9
1502	ok	0.09	0.1	3.02e-02	5.7	5.7	7.1	7.1	-37.9	-33.3	89.7	-146.0	-85.0	-7.4
1503	ok	0.09	0.1	3.02e-02	5.7	5.7	7.1	7.1	-81.8	-28.7	-54.3	-211.9	-86.3	-103.2
1504	ok	0.09	8.80e-02	2.98e-02	5.7	5.7	7.1	7.1	-85.6	-20.9	-46.7	-116.0	-101.7	-35.0
1505	ok	0.09	6.93e-02	2.98e-02	5.7	5.7	7.1	7.1	-74.5	-37.1	42.5	-48.3	-58.1	38.3
1506	ok	0.09	7.62e-02	2.99e-02	5.7	5.7	7.1	7.1	-80.7	-35.0	43.8	51.8	-26.5	41.0
1507	ok	0.09	8.37e-02	3.00e-02	5.7	5.7	7.1	7.1	-43.0	-32.8	81.0	-46.3	50.5	54.9
1508	ok	0.09	9.36e-02	3.03e-02	5.7	5.7	7.1	7.1	-44.0	-33.7	87.1	-119.6	-30.5	-13.8
1509	ok	0.09	0.1	3.25e-02	5.7	5.7	7.1	7.1	-96.3	-22.3	-60.5	-179.1	-157.5	-83.2
1510	ok	0.09	7.83e-02	2.99e-02	5.7	5.7	7.1	7.1	-98.9	-16.5	-49.0	-77.5	-150.5	-24.3
1511	ok	0.09	7.34e-02	2.81e-02	5.7	5.7	7.1	7.1	-84.3	-34.5	36.1	-54.7	-68.1	25.8
1512	ok	0.09	6.75e-02	2.90e-02	5.7	5.7	7.1	7.1	-91.2	-32.9	40.5	47.1	-30.6	26.0
1513	ok	0.09	7.18e-02	2.97e-02	5.7	5.7	7.1	7.1	-49.5	-31.1	82.6	-82.6	21.4	-10.0
1514	ok	0.09	7.99e-02	3.04e-02	5.7	5.7	7.1	7.1	-51.5	-33.1	77.9	-79.8	110.0	-0.4
1515	ok	0.09	0.1	3.60e-02	5.7	5.7	7.1	7.1	-111.0	-14.0	-65.4	-208.8	-211.2	-55.1
1516	ok	0.09	7.46e-02	3.24e-02	5.7	5.7	7.1	7.1	-99.1	-8.1	-46.0	-110.9	-206.5	-17.0
1517	ok	0.09	6.74e-02	2.94e-02	5.7	5.7	7.1	7.1	-97.7	-29.5	33.1	-53.5	-70.0	-29.7
1518	ok	0.09	6.82e-02	2.97e-02	5.7	5.7	7.1	7.1	-104.6	-29.3	40.4	46.8	-25.9	-30.4
1519	ok	0.09	7.00e-02	3.03e-02	5.7	5.7	7.1	7.1	-103.3	-29.7	46.0	63.4	4.8	-22.1
1520	ok	0.09	6.70e-02	3.06e-02	5.7	5.7	7.1	7.1	-99.6	-30.8	44.6	73.3	26.9	35.7
1521	ok	0.09	0.1	3.94e-02	5.7	5.7	7.1	7.1	-129.5	-6.6	-74.0	-223.2	-222.0	-76.3
1522	ok	0.09	8.11e-02	3.48e-02	5.7	5.7	7.1	7.1	-111.3	1.5	-47.5	-122.3	-296.6	7.6
1523	ok	0.09	6.61e-02	3.14e-02	5.7	5.7	7.1	7.1	-117.5	-2.7	-38.4	-42.8	-218.3	15.9
1524	ok	0.09	7.06e-02	3.25e-02	5.7	5.7	7.1	7.1	-120.4	-24.0	36.5	46.8	-13.4	-46.4
1525	ok	0.09	6.09e-02	3.34e-02	5.7	5.7	7.1	7.1	-120.0	-25.6	43.7	58.9	13.7	-40.7
1526	ok	0.09	6.43e-02	3.40e-02	5.7	5.7	7.1	7.1	-117.2	-27.8	50.5	68.2	43.7	-32.2
1527	ok	0.09	0.1	4.21e-02	5.7	5.7	7.1	7.1	-146.7	9.8	-65.2	-280.8	-349.4	14.2
1528	ok	0.09	8.59e-02	3.65e-02	5.7	5.7	7.1	7.1	-124.0	8.8	-47.9	-133.2	-307.2	11.8
1529	ok	0.09	8.36e-02	3.47e-02	5.7	5.7	7.1	7.1	-119.5	6.4	-38.3	-90.6	-258.1	27.7
1530	ok	0.09	8.82e-02	3.59e-02	5.7	5.7	7.1	7.1	-137.9	-17.7	32.2	45.7	8.1	-63.1
1531	ok	0.09	8.60e-02	3.70e-02	5.7	5.7	7.1	7.1	-138.5	-20.5	40.6	55.0	33.1	-54.7
1532	ok	0.09	9.45e-02	3.79e-02	5.7	5.7	7.1	7.1	-137.6	-23.3	48.8	63.1	55.1	-50.4
1533	ok	0.09	9.81e-02	4.25e-02	5.7	5.7	7.1	7.1	-160.0	25.1	-57.8	-232.5	-375.1	159.2
1534	ok	0.09	0.1	3.76e-02	5.7	5.7	7.1	7.1	-134.5	15.0	-48.7	-148.4	-237.8	138.8
1535	ok	0.09	0.1	3.85e-02	5.7	5.7	7.1	7.1	-131.7	11.4	-40.4	-131.3	-203.9	180.2
1536	ok	0.09	0.1	3.98e-02	5.7	5.7	7.1	7.1	-156.7	-10.8	27.2	45.7	34.1	-82.3
1537	ok	0.09	0.1	4.11e-02	5.7	5.7	7.1	7.1	-158.8	-14.6	36.6	52.5	53.8	-77.3
1538	ok	0.09	0.1	4.24e-02	5.7	5.7	7.1	7.1	-159.6	-18.0	45.8	60.6	74.2	-76.7
1539	ok	0.09	0.2	3.92e-02	5.7	5.7	7.1	7.1	-137.8	31.8	-52.8	-135.7	-213.9	278.9
1540	ok	0.09	0.1	4.03e-02	5.7	5.7	7.1	7.1	-142.7	20.8	-50.2	-117.3	-214.3	247.1
1541	ok	0.09	0.1	4.25e-02	5.7	5.7	7.1	7.1	-143.5	17.1	-42.6	-96.3	-220.4	200.8
1542	ok	0.09	0.1	4.44e-02	5.7	5.7	7.1	7.1	-182.1	2.0	19.2	88.1	-18.3	-198.8
1543	ok	0.09	0.2	4.59e-02	5.7	5.7	7.1	7.1	-181.3	-7.7	31.6	93.8	36.2	-313.3
1544	ok	0.09	0.2	4.71e-02	5.7	5.7	7.1	7.1	-183.0	-12.0	41.8	100.0	64.2	-400.4
2038	ok	0.09	0.2	4.95e-02	5.7	5.7	7.1	7.1	-187.0	-20.4	-52.8	104.6	87.6	498.9
2039	ok	0.09	0.2	4.40e-02	5.7	5.7	7.1	7.1	-159.0	-24.1	-53.3	64.7	105.2	-113.1
2040	ok	0.09	0.1	3.88e-02	5.7	5.7	7.1	7.1	-134.1	-28.4	-57.6	84.1	85.7	19.9
2041	ok	0.09	6.38e-02	3.40e-02	5.7	5.7	7.1	7.1	-111.3	-31.0	-53.4	90.5	53.3	-24.8
2042	ok	0.09	7.26e-02	3.09e-02	5.7	5.7	7.1	7.1	-55.7	-35.4	-83.3	-44.2	151.0	27.4
2043	ok	0.09	8.69e-02	3.01e-02	5.7	5.7	7.1	7.1	-46.5	-35.5	-76.3	-55.4	145.4	-19.9
2044	ok	0.09	0.1	2.93e-02	5.7	5.7	7.1	7.1	-38.7	-35.2	-77.5	-86.4	57.5	-26.5
2045	ok	0.09	0.1	2.85e-02	5.7	5.7	7.1	7.1	-32.7	-35.2	-85.8	-124.7	-73.0	11.0
2046	ok	0.09	0.1	2.77e-02	5.7	5.7	7.1	7.1	-27.8	-33.3	-85.7	-154.2	-117.1	10.8
2047	ok	0.09	0.1	2.71e-02	5.7	5.7	7.1	7.1	-24.0	-30.2	-79.0	-181.4	-121.4	-29.0

2048	ok	0.09	0.2	2.67e-02	5.7	5.7	7.1	7.1	-21.6	-27.6	-79.0	-134.9	-109.5	-31.5
2049	ok	0.09	0.2	2.62e-02	5.7	5.7	7.1	7.1	-19.9	-24.9	-78.9	-164.1	-127.7	-30.6
2050	ok	0.09	0.2	2.58e-02	5.7	5.7	7.1	7.1	-18.8	-21.6	-83.9	-268.2	-178.3	11.3
2051	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-18.6	-19.2	-78.0	-288.8	-178.2	-29.1
2052	ok	0.09	0.2	2.50e-02	5.7	5.7	7.1	7.1	-18.6	-14.7	-82.2	-305.2	-169.2	7.3
2053	ok	0.09	0.2	2.48e-02	5.7	5.7	7.1	7.1	-31.4	24.5	68.1	319.3	165.3	-5.3
2054	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-20.9	27.5	67.5	352.9	162.3	-43.0
2055	ok	0.09	0.2	2.49e-02	5.7	5.7	7.1	7.1	-25.1	23.1	72.9	410.5	166.0	6.6
2056	ok	0.09	0.2	2.48e-02	5.7	5.7	7.1	7.1	-24.7	24.7	76.0	429.8	171.6	-20.7
2057	ok	0.09	0.2	2.48e-02	5.7	5.7	7.1	7.1	-23.9	23.4	78.3	435.4	170.2	-14.5
2058	ok	0.09	0.2	2.48e-02	5.7	5.7	7.1	7.1	-27.6	4.0	-85.0	363.7	169.8	90.6
2059	ok	0.09	0.2	2.48e-02	5.7	5.7	7.1	7.1	-27.9	6.9	-86.0	375.4	168.2	90.9
2060	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-27.5	9.5	-86.5	385.1	166.5	91.6
2061	ok	0.09	0.2	2.43e-02	5.7	5.7	7.1	7.1	-20.2	20.7	83.0	-351.3	-106.8	-101.9
2062	ok	0.09	0.2	2.39e-02	5.7	5.7	7.1	7.1	-25.0	14.0	-86.4	388.0	159.8	-6.1
2063	ok	0.09	0.2	2.36e-02	5.7	5.7	7.1	7.1	-23.3	15.9	-85.5	410.5	164.8	-4.2
2064	ok	0.09	0.2	2.42e-02	5.7	5.7	7.1	7.1	-25.9	14.2	82.9	-372.7	-105.0	46.0
2065	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-27.4	12.0	82.9	-380.9	-108.9	47.0
2066	ok	0.09	0.2	2.49e-02	5.7	5.7	7.1	7.1	-28.5	9.5	82.5	-389.3	-113.8	47.7
2067	ok	0.09	0.2	2.51e-02	5.7	5.7	7.1	7.1	-28.9	6.7	81.6	-397.0	-119.5	47.6
2068	ok	0.09	0.2	2.51e-02	5.7	5.7	7.1	7.1	-16.2	22.3	-75.2	440.3	180.1	14.6
2069	ok	0.09	0.2	2.51e-02	5.7	5.7	7.1	7.1	-16.7	23.6	-72.7	443.1	184.0	21.5
2070	ok	0.09	0.2	2.51e-02	5.7	5.7	7.1	7.1	-18.1	24.9	-70.4	444.8	188.7	28.9
2071	ok	0.09	0.2	2.53e-02	5.7	5.7	7.1	7.1	-20.0	23.0	-65.3	439.4	184.2	-5.9
2072	ok	0.09	0.2	2.50e-02	5.7	5.7	7.1	7.1	-25.5	24.2	-62.7	270.8	157.2	-0.3
2073	ok	0.09	0.2	2.52e-02	5.7	5.7	7.1	7.1	-27.2	27.1	-65.0	271.5	163.3	49.0
2074	ok	0.09	0.2	2.55e-02	5.7	5.7	7.1	7.1	-29.0	26.5	-63.8	263.1	159.6	54.0
2075	ok	0.09	0.2	2.60e-02	5.7	5.7	7.1	7.1	-17.3	-20.6	80.5	-283.3	-184.8	31.4
2076	ok	0.09	0.2	2.65e-02	5.7	5.7	7.1	7.1	-17.9	-23.6	81.4	-261.5	-182.9	30.9
2077	ok	0.09	0.2	2.70e-02	5.7	5.7	7.1	7.1	-19.3	-26.4	82.0	-233.9	-173.8	30.7
2078	ok	0.09	0.2	2.76e-02	5.7	5.7	7.1	7.1	-21.6	-29.1	82.1	-202.0	-155.8	31.1
2079	ok	0.09	0.1	2.81e-02	5.7	5.7	7.1	7.1	-25.0	-32.5	88.4	-169.7	-152.3	-8.9
2080	ok	0.09	0.1	2.90e-02	5.7	5.7	7.1	7.1	-32.2	-34.9	88.4	-92.6	-121.3	-8.6
2081	ok	0.09	0.1	2.96e-02	5.7	5.7	7.1	7.1	-36.4	-36.6	88.1	-79.9	-76.3	-9.2
2082	ok	0.09	0.1	3.04e-02	5.7	5.7	7.1	7.1	-42.7	-36.2	79.2	-53.2	55.0	27.8
2083	ok	0.09	8.63e-02	3.12e-02	5.7	5.7	7.1	7.1	-51.1	-36.3	77.5	-29.0	144.4	21.0
2084	ok	0.09	7.18e-02	3.20e-02	5.7	5.7	7.1	7.1	-61.9	-35.4	75.6	10.7	242.6	10.2
2085	ok	0.09	6.29e-02	3.35e-02	5.7	5.7	7.1	7.1	-110.8	-31.7	51.9	93.7	75.4	32.2
2086	ok	0.09	0.1	3.84e-02	5.7	5.7	7.1	7.1	-133.9	-28.3	52.8	85.8	99.0	25.3
2087	ok	0.09	0.2	4.35e-02	5.7	5.7	7.1	7.1	-158.7	-23.8	51.3	66.7	119.3	107.2
2088	ok	0.09	0.2	4.90e-02	5.7	5.7	7.1	7.1	-186.6	-19.7	50.9	109.0	99.9	-481.7
2657	ok	0.09	0.2	5.00e-02	5.7	5.7	7.1	7.1	-186.8	-23.4	57.6	108.8	152.0	-535.2
2658	ok	0.09	0.2	5.22e-02	5.7	5.7	7.1	7.1	-191.6	-30.2	63.9	116.5	200.4	-585.8
2659	ok	0.09	0.2	5.63e-02	5.7	5.7	7.1	7.1	-210.2	-37.2	68.3	110.6	238.7	-616.0
2660	ok	0.09	0.2	6.51e-02	5.7	5.7	7.1	7.1	-246.4	-56.2	72.1	116.5	342.1	-610.8
2661	ok	0.09	0.3	9.70e-02	5.7	5.7	7.1	7.1	-315.9	-54.2	82.6	281.2	474.7	-648.1
2662	ok	0.11	0.4	8.76e-02	5.8	5.7	11.7	7.1	-146.4	603.9	-27.0	1038.4	-1452.1	-686.5
2757	ok	0.09	0.2	5.05e-02	5.7	5.7	7.1	7.1	-187.4	-24.3	-59.0	104.2	140.3	547.1
2758	ok	0.09	0.2	4.45e-02	5.7	5.7	7.1	7.1	-156.7	-28.4	-59.6	65.6	123.2	-142.1
2759	ok	0.09	0.2	5.27e-02	5.7	5.7	7.1	7.1	-192.4	-31.1	-64.8	111.5	189.1	592.0
2760	ok	0.09	0.2	4.53e-02	5.7	5.7	7.1	7.1	-153.7	-35.1	-65.9	78.2	170.2	-180.0
2761	ok	0.09	0.2	5.67e-02	5.7	5.7	7.1	7.1	-211.8	-37.4	-68.9	104.9	223.2	618.6
2762	ok	0.09	0.2	4.58e-02	5.7	5.7	7.1	7.1	-152.9	-41.1	-73.5	81.5	172.4	-205.4
2763	ok	0.09	0.2	6.48e-02	5.7	5.7	7.1	7.1	-245.3	-53.1	-72.4	108.8	310.0	611.1
2764	ok	0.09	0.2	4.59e-02	5.7	5.7	7.1	7.1	-77.3	-75.3	-116.6	203.6	307.3	-75.0
2765	ok	0.09	0.2	8.61e-02	5.7	5.7	7.1	7.1	-303.2	-44.1	-82.7	275.8	384.7	656.2
2766	ok	0.09	0.2	5.45e-02	5.7	5.7	7.1	7.1	-60.3	-157.4	-103.2	400.3	838.7	-82.3
2767	ok	0.11	0.4	8.07e-02	6.1	5.7	11.5	7.1	-180.9	515.5	2.8	1152.2	-1835.1	710.6
2768	ok	0.13	0.4	3.24e-02	10.6	5.7	15.2	7.2	145.6	570.3	144.3	-959.4	-2540.0	-421.1
2769	ok	0.09	0.1	3.82e-02	5.7	5.7	7.1	7.1	-126.7	-32.5	-59.4	81.3	90.4	-33.1
2770	ok	0.09	0.1	3.71e-02	5.7	5.7	7.1	7.1	-115.4	-38.7	-63.0	93.6	124.4	-59.6
2771	ok	0.09	0.1	3.81e-02	5.7	5.7	7.1	7.1	-67.2	-54.1	-99.0	-4.8	435.1	126.2
2772	ok	0.09	0.1	4.03e-02	5.7	5.7	7.1	7.1	-41.5	-91.7	-100.3	248.1	461.3	-140.6
2773	ok	0.09	0.2	3.62e-02	5.7	5.7	7.1	7.1	-19.4	-126.7	-60.1	266.5	808.2	-231.7
2774	ok	0.10	0.4	2.98e-02	7.7	5.7	9.9	7.1	30.7	446.7	83.2	-335.4	-1396.6	-289.1
2775	ok	0.09	8.65e-02	3.24e-02	5.7	5.7	7.1	7.1	-99.7	-34.6	-55.8	88.6	77.2	-44.4
2776	ok	0.09	9.51e-02	3.38e-02	5.7	5.7	7.1	7.1	-60.3	-45.2	-89.0	-4.3	311.3	120.3
2777	ok	0.09	0.1	3.47e-02	5.7	5.7	7.1	7.1	-47.4	-50.7	-85.2	91.0	414.0	74.2
2778	ok	0.09	0.1	3.25e-02	5.7	5.7	7.1	7.1	-34.1	-68.0	-69.0	226.0	509.6	62.3
2779	ok	0.09	0.1	3.16e-02	5.7	5.7	7.1	7.1	23.3	162.7	77.5	-167.0	-373.3	-5.4
2780	ok	0.09	0.3	4.28e-02	6.2	5.7	8.1	7.1	26.6	396.3	71.1	-173.4	-1091.5	82.9
2781	ok	0.09	9.57e-02	3.15e-02	5.7	5.7	7.1	7.1	-51.0	-39.5	-81.7	22.3	178.2	97.5
2782	ok	0.09	0.1	3.18e-02	5.7	5.7	7.1	7.1	-46.5	-42.9	-79.0	6.9	296.0	83.0
2783	ok	0.09	0.1	3.09e-02	5.7	5.7	7.1	7.1	-32.6	-53.9	-77.1	153.7	276.0	-142.5
2784	ok	0.09	0.1	2.84e-02	5.7	5.7	7.1	7.1	-25.1	-63.4	-61.6	217.2	232.8	-76.4
2785	ok	0.09	0.2	2.89e-02	5.7	5.7	7.1	7.1	2.6	182.5	64.9	-124.7	-494.2	-94.9
2786	ok	0.09	0.4	2.70e-02	6.2	5.7	7.6	7.1	20.2	330.9	61.7	-198.7	-1036.3	-447.5

2787	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-43.0	-38.4	-77.2	-14.1	161.3	74.1
2788	ok	0.09	0.1	2.96e-02	5.7	5.7	7.1	7.1	-35.3	-42.1	-77.0	-48.4	165.7	95.4
2789	ok	0.09	0.1	2.77e-02	5.7	5.7	7.1	7.1	-22.5	-50.2	-70.6	132.8	191.8	-142.8
2790	ok	0.09	0.2	2.47e-02	5.7	5.7	7.1	7.1	-21.0	-62.1	-57.9	221.1	210.1	-143.1
2791	ok	0.09	0.2	2.26e-02	5.7	5.7	7.1	7.1	11.4	158.0	66.6	-92.4	-386.4	96.8
2792	ok	0.09	0.2	3.41e-02	5.7	5.7	7.1	7.1	18.3	302.3	56.1	-110.1	-785.7	-112.1
2793	ok	0.09	0.1	2.87e-02	5.7	5.7	7.1	7.1	-34.4	-37.5	-77.0	-45.5	66.2	76.5
2794	ok	0.09	0.1	2.74e-02	5.7	5.7	7.1	7.1	-27.2	-43.7	-79.3	-130.5	-11.4	143.6
2795	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-17.2	-46.4	-71.8	-93.1	-35.7	182.2
2796	ok	0.09	0.2	2.30e-02	5.7	5.7	7.1	7.1	-1.6	92.4	57.3	-144.3	-213.1	116.8
2797	ok	0.09	0.2	2.18e-02	5.7	5.7	7.1	7.1	0.6	164.9	52.2	-106.2	-445.5	-91.1
2798	ok	0.09	0.2	1.72e-02	5.7	5.7	7.1	7.1	7.5	230.1	47.1	-115.0	-748.4	-164.6
2799	ok	0.09	0.1	2.73e-02	5.7	5.7	7.1	7.1	-28.3	-37.9	-81.6	-82.4	-70.4	117.0
2800	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-20.3	-40.0	-75.9	-59.5	-75.4	150.4
2801	ok	0.09	0.2	2.37e-02	5.7	5.7	7.1	7.1	-9.1	61.9	51.9	-201.5	-181.6	71.7
2802	ok	0.09	0.2	2.08e-02	5.7	5.7	7.1	7.1	-3.8	98.1	63.9	-177.7	-217.1	57.4
2803	ok	0.09	0.2	1.78e-02	5.7	5.7	7.1	7.1	-2.5	140.6	59.8	-122.5	-269.4	95.7
2804	ok	0.09	0.2	2.13e-02	5.7	5.7	7.1	7.1	6.6	211.0	46.0	-76.6	-610.5	20.7
2805	ok	0.09	0.2	2.62e-02	5.7	5.7	7.1	7.1	-22.5	-35.1	-80.2	-128.7	-116.1	119.2
2806	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-16.0	-36.1	-73.1	-97.4	-114.3	149.9
2807	ok	0.09	0.2	2.21e-02	5.7	5.7	7.1	7.1	-10.8	66.3	53.9	-202.3	-156.9	51.6
2808	ok	0.09	0.2	1.94e-02	5.7	5.7	7.1	7.1	-7.2	101.9	57.2	-173.9	-189.6	49.8
2809	ok	0.09	0.2	1.73e-02	5.7	5.7	7.1	7.1	-1.3	150.4	48.0	-93.7	-371.0	-81.5
2810	ok	0.09	0.2	8.91e-03	5.7	5.7	7.1	7.1	-0.8	171.4	51.6	-102.7	-708.5	-154.4
2811	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-19.2	-31.9	-79.2	-160.9	-145.1	118.7
2812	ok	0.09	0.2	2.37e-02	5.7	5.7	7.1	7.1	-13.2	-31.6	-71.4	-134.6	-144.2	151.6
2813	ok	0.09	0.2	2.11e-02	5.7	5.7	7.1	7.1	-11.0	70.1	51.0	-225.5	-185.1	37.3
2814	ok	0.09	0.2	1.86e-02	5.7	5.7	7.1	7.1	-11.8	104.6	60.1	-175.2	-192.9	-84.7
2815	ok	0.09	0.2	1.77e-02	5.7	5.7	7.1	7.1	-8.6	148.0	53.2	-160.2	-385.4	-48.2
2816	ok	0.09	0.3	1.35e-02	5.7	5.7	7.1	7.1	-21.7	43.8	52.5	171.9	1472.9	61.5
2817	ok	0.09	0.2	2.47e-02	5.7	5.7	7.1	7.1	-16.8	-28.5	-78.5	-194.9	-164.2	118.1
2818	ok	0.09	0.2	2.27e-02	5.7	5.7	7.1	7.1	-14.6	46.5	58.8	159.6	131.0	-195.7
2819	ok	0.09	0.2	2.02e-02	5.7	5.7	7.1	7.1	-11.6	69.4	56.7	-290.7	-154.0	63.3
2820	ok	0.09	0.2	1.74e-02	5.7	5.7	7.1	7.1	-6.2	97.6	56.3	-213.7	-244.2	-1.9
2821	ok	0.09	0.2	1.86e-02	5.7	5.7	7.1	7.1	2.3	162.9	53.0	-161.3	-528.0	-323.3
2822	ok	0.10	0.4	3.21e-02	7.3	5.7	8.8	7.1	28.0	298.6	61.8	-290.7	-1667.5	-756.7
2823	ok	0.09	0.2	2.41e-02	5.7	5.7	7.1	7.1	-15.1	-25.1	-77.9	-229.0	-172.3	114.8
2824	ok	0.09	0.2	2.21e-02	5.7	5.7	7.1	7.1	-20.3	48.6	62.9	224.8	150.4	-159.7
2825	ok	0.09	0.2	2.01e-02	5.7	5.7	7.1	7.1	-10.9	71.9	58.4	-309.4	-180.5	55.0
2826	ok	0.09	0.2	1.69e-02	5.7	5.7	7.1	7.1	6.7	102.9	53.9	-138.3	-252.7	-126.3
2827	ok	0.09	0.1	1.67e-02	5.7	5.7	7.1	7.1	8.8	127.9	56.2	-116.5	-379.4	-14.7
2828	ok	0.09	0.4	3.77e-02	5.8	5.7	7.4	7.1	25.8	280.1	55.4	-149.4	-1403.7	-93.3
2829	ok	0.09	0.2	2.36e-02	5.7	5.7	7.1	7.1	-26.4	35.6	61.0	329.2	182.3	-28.7
2830	ok	0.09	0.2	2.15e-02	5.7	5.7	7.1	7.1	-21.2	51.0	64.7	261.8	164.7	-158.2
2831	ok	0.09	0.2	1.93e-02	5.7	5.7	7.1	7.1	-14.9	68.9	64.3	286.6	153.0	-156.0
2832	ok	0.09	0.2	1.75e-02	5.7	5.7	7.1	7.1	-5.0	93.4	61.3	-120.2	-250.1	37.5
2833	ok	0.09	0.1	1.56e-02	5.7	5.7	7.1	7.1	0.3	131.6	47.4	-158.8	-424.6	-151.1
2834	ok	0.09	0.2	1.66e-02	5.7	5.7	7.1	7.1	8.8	185.5	36.4	-144.6	-570.7	-220.0
2835	ok	0.09	0.2	2.30e-02	5.7	5.7	7.1	7.1	-26.0	38.3	64.0	351.4	190.2	-56.1
2836	ok	0.09	0.2	2.09e-02	5.7	5.7	7.1	7.1	-20.1	54.6	63.9	290.9	158.5	-175.1
2837	ok	0.09	0.2	1.85e-02	5.7	5.7	7.1	7.1	-18.7	70.8	67.1	346.0	158.8	-183.2
2838	ok	0.09	0.2	1.65e-02	5.7	5.7	7.1	7.1	-15.7	89.2	65.7	307.1	142.9	-145.2
2839	ok	0.09	0.2	1.42e-02	5.7	5.7	7.1	7.1	-10.3	104.3	61.4	-57.9	-311.4	49.5
2840	ok	0.09	0.2	1.60e-02	5.7	5.7	7.1	7.1	7.0	171.8	40.3	-10.1	-508.8	-151.7
2841	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-26.4	39.6	65.8	316.7	172.2	-144.5
2842	ok	0.09	0.2	2.03e-02	5.7	5.7	7.1	7.1	-21.9	55.2	66.3	318.3	174.4	-147.9
2843	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-19.7	73.9	66.3	369.0	152.2	-171.0
2844	ok	0.09	0.2	1.52e-02	5.7	5.7	7.1	7.1	-22.4	89.3	68.0	318.2	145.6	-175.4
2845	ok	0.09	0.2	1.37e-02	5.7	5.7	7.1	7.1	-22.1	101.1	64.0	-55.6	-296.7	38.2
2846	ok	0.09	0.2	1.52e-02	5.7	5.7	7.1	7.1	22.3	138.0	-45.0	-133.7	-338.7	-92.3
2847	ok	0.09	0.2	2.26e-02	5.7	5.7	7.1	7.1	-23.0	38.7	60.1	344.5	169.5	-108.5
2848	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	-20.1	57.0	62.1	330.6	156.6	-152.3
2849	ok	0.09	0.2	1.69e-02	5.7	5.7	7.1	7.1	-18.8	74.3	64.4	383.5	158.1	-161.2
2850	ok	0.09	0.2	1.50e-02	5.7	5.7	7.1	7.1	-34.3	93.8	65.5	219.4	84.5	-198.7
2851	ok	0.09	0.2	2.13e-02	5.7	5.7	7.1	7.1	-1.4	141.3	74.6	-224.6	-646.3	68.3
2852	ok	0.10	0.4	4.23e-02	6.4	5.7	8.8	7.1	49.8	256.0	-73.1	-417.3	-2254.6	144.4
2853	ok	0.09	0.2	2.24e-02	5.7	5.7	7.1	7.1	-18.9	40.3	68.3	456.4	189.8	-135.2
2854	ok	0.09	0.2	1.97e-02	5.7	5.7	7.1	7.1	-14.8	55.2	65.9	391.1	175.2	-131.0
2855	ok	0.09	0.2	1.75e-02	5.7	5.7	7.1	7.1	-10.7	75.2	62.0	393.0	124.3	-137.7
2856	ok	0.09	0.2	1.55e-02	5.7	5.7	7.1	7.1	-4.7	98.0	52.1	-321.4	-303.2	-26.4
2857	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	3.2	153.5	70.1	-108.4	-774.0	-577.3
2858	ok	0.11	0.4	4.67e-02	8.3	5.7	12.1	7.1	37.5	338.1	80.7	-519.6	-3083.5	-704.7
2859	ok	0.09	0.2	2.21e-02	5.7	5.7	7.1	7.1	-18.1	39.0	69.7	468.7	187.7	-128.3
2860	ok	0.09	0.2	1.98e-02	5.7	5.7	7.1	7.1	-8.0	58.4	59.5	-298.5	-176.0	-28.1
2861	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-7.0	70.5	59.3	-253.9	-196.8	11.0
2862	ok	0.09	0.2	1.57e-02	5.7	5.7	7.1	7.1	13.0	105.4	45.4	-167.4	-347.7	13.9
2863	ok	0.09	0.2	1.87e-02	5.7	5.7	7.1	7.1	3.0	137.5	62.3	-21.2	-579.1	291.0

2864	ok	0.11	0.4	4.99e-02	6.3	5.7	10.7	7.1	34.7	324.7	76.2	-409.0	-2865.5	211.7
2865	ok	0.09	0.2	2.23e-02	5.7	5.7	7.1	7.1	-12.2	40.8	66.1	-313.3	-150.3	-23.5
2866	ok	0.09	0.2	2.01e-02	5.7	5.7	7.1	7.1	-5.0	55.4	60.7	-289.8	-163.9	-12.6
2867	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	4.5	75.2	53.4	-203.2	-217.1	47.7
2868	ok	0.09	0.2	1.72e-02	5.7	5.7	7.1	7.1	8.5	92.9	49.8	-183.5	-281.0	202.5
2869	ok	0.09	0.2	1.80e-02	5.7	5.7	7.1	7.1	15.0	141.0	53.9	-190.7	-613.2	169.3
2870	ok	0.09	0.2	3.46e-02	5.7	5.7	7.1	7.1	26.2	273.2	55.8	-133.1	-804.6	-286.3
2871	ok	0.09	0.2	2.24e-02	5.7	5.7	7.1	7.1	-10.9	35.3	67.5	-323.7	-138.1	21.8
2872	ok	0.09	0.2	2.04e-02	5.7	5.7	7.1	7.1	-3.0	48.7	63.0	-301.2	-150.0	29.0
2873	ok	0.09	0.2	1.86e-02	5.7	5.7	7.1	7.1	4.2	65.8	58.3	-259.4	-166.7	50.6
2874	ok	0.09	0.2	1.73e-02	5.7	5.7	7.1	7.1	9.5	94.8	52.8	-218.9	-294.2	94.7
2875	ok	0.09	0.2	1.84e-02	5.7	5.7	7.1	7.1	15.6	138.6	50.8	-162.4	-301.7	143.9
2876	ok	0.09	0.2	3.61e-02	5.7	5.7	7.1	7.1	24.5	266.2	55.3	-71.7	-731.5	11.2
2877	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-10.2	33.5	70.1	-334.1	-130.7	28.0
2878	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	-2.9	46.5	65.4	-314.6	-143.4	37.7
2879	ok	0.09	0.2	1.87e-02	5.7	5.7	7.1	7.1	3.2	62.7	58.6	-275.0	-142.8	45.9
2880	ok	0.09	0.2	1.73e-02	5.7	5.7	7.1	7.1	4.0	87.8	46.8	-205.9	-188.5	152.6
2881	ok	0.09	0.1	1.73e-02	5.7	5.7	7.1	7.1	10.9	137.5	53.3	-164.8	-292.0	120.5
2882	ok	0.09	0.1	1.67e-02	5.7	5.7	7.1	7.1	4.9	164.5	43.9	133.9	444.8	-115.1
2883	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-25.2	11.3	-79.1	360.5	170.5	71.7
2884	ok	0.09	0.2	2.05e-02	5.7	5.7	7.1	7.1	-4.3	43.9	67.2	-324.2	-133.9	39.6
2885	ok	0.09	0.2	1.85e-02	5.7	5.7	7.1	7.1	0.2	59.6	59.7	-284.4	-138.3	49.1
2886	ok	0.09	0.2	1.63e-02	5.7	5.7	7.1	7.1	2.6	88.4	49.5	-208.0	-190.1	84.1
2887	ok	0.09	0.1	1.40e-02	5.7	5.7	7.1	7.1	5.3	114.1	44.7	-155.9	-208.9	117.1
2888	ok	0.09	6.05e-02	1.72e-02	5.7	5.7	7.1	7.1	-8.94e-02	130.6	26.6	117.0	231.0	20.9
2889	ok	0.09	0.2	2.23e-02	5.7	5.7	7.1	7.1	-24.1	14.3	-80.2	346.6	164.2	-15.3
2890	ok	0.09	0.2	2.03e-02	5.7	5.7	7.1	7.1	-6.6	41.1	68.3	-330.9	-129.3	-34.9
2891	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	-5.3	54.5	69.0	-278.9	-128.4	-34.0
2892	ok	0.09	0.2	1.53e-02	5.7	5.7	7.1	7.1	-0.5	80.9	47.0	-203.8	-147.7	88.5
2893	ok	0.09	0.1	1.26e-02	5.7	5.7	7.1	7.1	3.5	113.6	47.2	-155.5	-204.9	87.4
2894	ok	0.09	6.81e-02	7.02e-03	5.7	5.7	7.1	7.1	2.0	129.2	29.5	113.6	278.3	-75.6
2895	ok	0.09	0.2	2.20e-02	5.7	5.7	7.1	7.1	-22.4	17.4	-80.4	359.8	163.5	-13.9
2896	ok	0.09	0.2	1.98e-02	5.7	5.7	7.1	7.1	-8.6	41.1	71.4	-333.8	-128.6	-67.5
2897	ok	0.09	0.2	1.72e-02	5.7	5.7	7.1	7.1	-7.3	54.5	71.8	-281.6	-127.5	-66.3
2898	ok	0.09	0.2	1.43e-02	5.7	5.7	7.1	7.1	-2.7	73.5	62.5	-234.0	-136.9	-51.6
2899	ok	0.09	0.1	9.99e-03	5.7	5.7	7.1	7.1	-2.7	83.7	20.5	-90.0	-165.1	82.1
2900	ok	0.09	5.12e-02	6.44e-03	5.7	5.7	7.1	7.1	-3.2	90.8	20.0	105.7	156.6	7.2
2901	ok	0.09	0.2	2.15e-02	5.7	5.7	7.1	7.1	-20.4	20.3	-80.2	369.3	162.6	-12.0
2902	ok	0.09	0.2	1.91e-02	5.7	5.7	7.1	7.1	-12.0	34.4	69.9	-325.8	-125.8	43.6
2903	ok	0.09	0.2	1.62e-02	5.7	5.7	7.1	7.1	-6.9	50.0	61.8	-281.3	-130.4	-52.1
2904	ok	0.09	0.2	1.29e-02	5.7	5.7	7.1	7.1	-7.8	55.6	59.2	-223.0	-152.8	41.6
2905	ok	0.09	0.1	8.98e-03	5.7	5.7	7.1	7.1	-2.0	83.1	46.3	-152.8	-158.0	-34.6
2906	ok	0.09	9.02e-02	2.82e-03	5.7	5.7	7.1	7.1	-0.3	90.6	22.9	113.0	192.4	-40.1
2907	ok	0.09	0.2	2.10e-02	5.7	5.7	7.1	7.1	-18.0	23.1	-79.6	388.5	164.6	-10.3
2908	ok	0.09	0.2	1.83e-02	5.7	5.7	7.1	7.1	-13.2	30.9	-72.1	339.8	163.6	-13.1
2909	ok	0.09	0.2	1.52e-02	5.7	5.7	7.1	7.1	-14.6	37.5	70.1	-286.5	-135.9	45.8
2910	ok	0.09	0.2	1.18e-02	5.7	5.7	7.1	7.1	-8.7	53.6	-56.6	-217.1	-144.9	-78.7
2911	ok	0.09	0.1	7.24e-03	5.7	5.7	7.1	7.1	-4.7	63.7	-41.9	-131.0	-111.8	-58.2
2912	ok	0.09	9.28e-02	3.13e-03	5.7	5.7	7.1	7.1	-2.6	107.2	1.9	43.3	1.9	-25.2
2913	ok	0.09	0.2	2.16e-02	5.7	5.7	7.1	7.1	-15.6	25.4	-78.6	392.0	164.0	-8.5
2914	ok	0.09	0.2	1.92e-02	5.7	5.7	7.1	7.1	-10.5	34.5	-71.6	342.0	161.8	-12.5
2915	ok	0.09	0.2	1.61e-02	5.7	5.7	7.1	7.1	-9.5	44.9	-71.9	392.0	182.3	-13.6
2916	ok	0.09	0.2	1.28e-02	5.7	5.7	7.1	7.1	-5.0	54.1	-39.1	-218.0	-140.0	-104.8
2917	ok	0.09	0.1	8.77e-03	5.7	5.7	7.1	7.1	-1.7	82.1	-42.9	-145.7	-172.8	-71.9
2918	ok	0.09	5.96e-02	3.01e-03	5.7	5.7	7.1	7.1	-0.3	88.7	-23.7	113.5	213.9	50.5
2919	ok	0.09	0.2	2.22e-02	5.7	5.7	7.1	7.1	-23.5	17.2	77.7	-377.3	-115.4	49.0
2920	ok	0.09	0.2	1.99e-02	5.7	5.7	7.1	7.1	-11.9	37.1	-77.6	447.2	178.4	-9.6
2921	ok	0.09	0.2	1.71e-02	5.7	5.7	7.1	7.1	-6.4	50.0	-71.5	394.9	180.9	-13.5
2922	ok	0.09	0.2	1.42e-02	5.7	5.7	7.1	7.1	-4.4	62.4	-54.3	-208.4	-134.6	-114.1
2923	ok	0.09	0.1	1.01e-02	5.7	5.7	7.1	7.1	-1.7	82.0	-40.3	-143.1	-173.4	-98.3
2924	ok	0.09	5.57e-02	6.66e-03	5.7	5.7	7.1	7.1	-3.2	88.4	-21.1	121.3	184.4	-24.0
2925	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-25.3	14.1	76.9	-383.6	-117.4	50.6
2926	ok	0.09	0.2	2.04e-02	5.7	5.7	7.1	7.1	-9.6	39.8	-76.1	452.4	175.1	-7.5
2927	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	-4.3	49.9	-68.6	401.1	180.9	-46.6
2928	ok	0.09	0.2	1.52e-02	5.7	5.7	7.1	7.1	1.4	73.6	-63.0	316.0	182.2	-17.6
2929	ok	0.09	0.1	1.27e-02	5.7	5.7	7.1	7.1	3.7	111.1	-47.3	-146.7	-207.1	-83.3
2930	ok	0.09	9.25e-02	6.73e-03	5.7	5.7	7.1	7.1	1.7	125.0	-29.9	121.6	278.3	74.1
2931	ok	0.09	0.2	2.27e-02	5.7	5.7	7.1	7.1	-15.1	30.2	-77.8	483.9	179.8	1.4
2932	ok	0.09	0.2	2.07e-02	5.7	5.7	7.1	7.1	-7.9	42.2	-74.0	457.3	168.3	-4.1
2933	ok	0.09	0.2	1.86e-02	5.7	5.7	7.1	7.1	-1.5	54.3	-67.8	403.4	168.2	-46.0
2934	ok	0.09	0.2	1.64e-02	5.7	5.7	7.1	7.1	3.6	73.6	-60.3	322.2	181.7	-55.5
2935	ok	0.09	0.1	1.41e-02	5.7	5.7	7.1	7.1	5.5	111.5	-44.8	-148.1	-211.3	-109.7
2936	ok	0.09	8.77e-02	1.69e-02	5.7	5.7	7.1	7.1	-0.3	126.1	-27.0	121.3	230.4	-23.8
2937	ok	0.09	0.2	2.27e-02	5.7	5.7	7.1	7.1	-14.7	32.0	-75.5	487.9	180.1	7.3
2938	ok	0.09	0.2	2.07e-02	5.7	5.7	7.1	7.1	-7.7	41.4	-71.1	463.5	167.2	-32.6
2939	ok	0.09	0.2	1.88e-02	5.7	5.7	7.1	7.1	0.7	60.3	-66.9	404.9	135.8	82.1
2940	ok	0.09	0.2	1.74e-02	5.7	5.7	7.1	7.1	4.3	85.1	-46.8	-197.8	-185.1	-144.9

2941	ok	0.09	0.1	1.73e-02	5.7	5.7	7.1	7.1	11.1	134.2	-53.6	-158.3	-283.8	-113.0
2942	ok	0.09	0.1	1.65e-02	5.7	5.7	7.1	7.1	4.6	159.5	-44.2	139.0	461.6	110.4
2943	ok	0.09	0.2	2.26e-02	5.7	5.7	7.1	7.1	-15.2	33.8	-73.1	490.4	182.7	14.5
2944	ok	0.09	0.2	2.05e-02	5.7	5.7	7.1	7.1	-7.5	46.9	-69.1	463.8	159.9	112.9
2945	ok	0.09	0.2	1.86e-02	5.7	5.7	7.1	7.1	0.6	61.4	-64.0	412.5	138.6	95.5
2946	ok	0.09	0.2	1.72e-02	5.7	5.7	7.1	7.1	9.8	91.7	-53.1	-211.7	-288.2	-86.9
2947	ok	0.09	0.1	1.84e-02	5.7	5.7	7.1	7.1	15.8	135.2	-51.2	-156.6	-293.6	-134.4
2948	ok	0.09	0.2	3.56e-02	5.7	5.7	7.1	7.1	24.3	261.7	-55.5	-70.2	-737.6	-21.6
2949	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-16.4	35.8	-71.0	491.2	185.1	22.8
2950	ok	0.09	0.2	2.01e-02	5.7	5.7	7.1	7.1	-9.2	49.1	-66.9	464.1	165.6	123.5
2951	ok	0.09	0.2	1.78e-02	5.7	5.7	7.1	7.1	-1.6	65.7	-61.7	410.8	114.3	110.7
2952	ok	0.09	0.2	1.71e-02	5.7	5.7	7.1	7.1	8.9	89.6	-50.1	-176.2	-275.0	-194.2
2953	ok	0.09	0.1	1.82e-02	5.7	5.7	7.1	7.1	2.3	140.9	-62.0	-218.3	-670.1	76.6
2954	ok	0.09	0.2	3.40e-02	5.7	5.7	7.1	7.1	26.2	268.9	-56.2	-131.5	-812.8	277.6
2955	ok	0.09	0.2	2.24e-02	5.7	5.7	7.1	7.1	-18.0	37.5	-69.3	489.3	191.5	31.2
2956	ok	0.09	0.2	1.98e-02	5.7	5.7	7.1	7.1	-11.7	52.0	-65.5	461.2	164.0	135.7
2957	ok	0.09	0.2	1.71e-02	5.7	5.7	7.1	7.1	-7.2	66.7	-60.4	428.0	149.4	130.0
2958	ok	0.09	0.2	1.50e-02	5.7	5.7	7.1	7.1	0.9	97.2	-50.0	-158.9	-331.3	-31.2
2959	ok	0.09	0.1	1.89e-02	5.7	5.7	7.1	7.1	3.3	134.0	-63.0	-19.4	-571.0	-282.4
2960	ok	0.11	0.4	5.02e-02	6.1	5.7	10.9	7.1	37.5	318.4	-83.1	-350.3	-2958.2	-91.5
2961	ok	0.09	0.2	2.27e-02	5.7	5.7	7.1	7.1	-15.6	39.6	-63.0	411.9	181.6	144.6
2962	ok	0.09	0.2	1.99e-02	5.7	5.7	7.1	7.1	-14.9	53.6	-65.1	468.0	180.1	149.1
2963	ok	0.09	0.2	1.71e-02	5.7	5.7	7.1	7.1	-10.6	71.3	-60.9	409.4	125.1	143.6
2964	ok	0.09	0.2	1.46e-02	5.7	5.7	7.1	7.1	-5.7	82.4	-56.8	288.9	190.1	179.9
2965	ok	0.09	0.2	2.04e-02	5.7	5.7	7.1	7.1	3.5	148.7	-70.0	-100.2	-769.5	581.6
2966	ok	0.12	0.7	4.71e-02	8.0	5.7	12.8	7.1	40.7	332.7	-88.0	-431.0	-3192.4	912.4
2967	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-22.7	40.0	-63.0	337.8	186.7	152.6
2968	ok	0.09	0.2	2.05e-02	5.7	5.7	7.1	7.1	-21.6	51.2	-62.3	387.5	174.3	122.9
2969	ok	0.09	0.2	1.67e-02	5.7	5.7	7.1	7.1	-19.2	70.7	-63.0	382.9	166.4	168.8
2970	ok	0.09	0.2	1.45e-02	5.7	5.7	7.1	7.1	-20.6	80.4	-54.4	346.4	180.6	128.1
2971	ok	0.09	0.2	2.11e-02	5.7	5.7	7.1	7.1	-0.8	135.4	-75.1	-219.4	-632.8	-98.2
2972	ok	0.10	0.4	4.20e-02	6.5	5.7	8.6	7.1	47.2	249.2	75.5	-414.5	-2153.1	-218.3
2973	ok	0.09	0.2	2.29e-02	5.7	5.7	7.1	7.1	-24.7	39.6	-63.3	334.0	187.7	160.8
2974	ok	0.09	0.2	2.02e-02	5.7	5.7	7.1	7.1	-22.7	54.6	-66.2	382.5	190.6	167.9
2975	ok	0.09	0.2	1.75e-02	5.7	5.7	7.1	7.1	-21.0	71.6	-65.3	370.1	165.9	178.6
2976	ok	0.09	0.2	1.50e-02	5.7	5.7	7.1	7.1	-23.6	82.0	-64.9	333.8	166.7	189.9
2977	ok	0.09	0.2	1.35e-02	5.7	5.7	7.1	7.1	-23.2	83.8	-64.8	293.0	224.2	148.1
2978	ok	0.09	0.4	9.41e-03	5.7	5.7	7.1	7.1	-16.2	133.1	-55.1	-6.6	-2034.3	-43.4
2979	ok	0.09	0.2	2.35e-02	5.7	5.7	7.1	7.1	-25.3	38.1	-63.3	313.1	185.9	166.6
2980	ok	0.09	0.2	2.10e-02	5.7	5.7	7.1	7.1	-23.0	53.5	-66.7	363.1	188.7	175.6
2981	ok	0.09	0.2	1.83e-02	5.7	5.7	7.1	7.1	-21.1	69.5	-67.4	345.6	181.5	188.9
2982	ok	0.09	0.2	1.55e-02	5.7	5.7	7.1	7.1	-9.9	82.8	-62.6	162.9	146.3	182.9
2983	ok	0.09	0.2	1.23e-02	5.7	5.7	7.1	7.1	-12.5	84.5	-64.1	230.3	6.7	189.0
2984	ok	0.09	0.2	1.87e-02	5.7	5.7	7.1	7.1	10.6	176.7	-46.3	-89.9	-1060.0	133.6
2985	ok	0.09	0.2	2.42e-02	5.7	5.7	7.1	7.1	-23.5	35.5	-59.3	264.2	178.3	138.4
2986	ok	0.09	0.2	2.20e-02	5.7	5.7	7.1	7.1	-20.2	51.4	-64.7	256.1	168.1	186.4
2987	ok	0.09	0.2	1.93e-02	5.7	5.7	7.1	7.1	-18.7	68.6	-68.5	306.9	165.8	195.7
2988	ok	0.09	0.2	1.63e-02	5.7	5.7	7.1	7.1	-10.2	90.2	-50.8	-170.8	-209.2	-45.1
2989	ok	0.09	0.1	1.40e-02	5.7	5.7	7.1	7.1	0.3	131.7	-41.3	-146.8	-391.1	307.3
2990	ok	0.09	0.3	1.48e-02	5.7	5.7	7.1	7.1	12.1	191.7	-50.4	-268.6	-1260.8	507.5
2991	ok	0.09	0.2	2.49e-02	5.7	5.7	7.1	7.1	-14.0	-26.6	77.0	-222.7	-173.1	-86.9
2992	ok	0.09	0.2	2.29e-02	5.7	5.7	7.1	7.1	-16.6	48.9	-61.3	201.8	162.5	161.5
2993	ok	0.09	0.2	2.04e-02	5.7	5.7	7.1	7.1	-11.9	72.8	-57.0	-232.4	-177.8	-29.8
2994	ok	0.09	0.2	1.74e-02	5.7	5.7	7.1	7.1	-10.7	96.0	-63.2	-185.8	-180.0	1.7
2995	ok	0.09	0.2	1.42e-02	5.7	5.7	7.1	7.1	-14.0	119.7	-50.9	-123.9	-272.8	-19.1
2996	ok	0.09	0.2	9.84e-03	5.7	5.7	7.1	7.1	-20.9	39.1	-40.0	121.6	859.8	-28.1
2997	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-16.9	-30.4	81.5	-182.8	-170.2	-125.0
2998	ok	0.09	0.2	2.40e-02	5.7	5.7	7.1	7.1	-14.0	45.2	-62.8	153.8	137.1	200.4
2999	ok	0.09	0.2	2.13e-02	5.7	5.7	7.1	7.1	-8.9	70.5	-56.8	-241.9	-167.7	-28.8
3000	ok	0.09	0.2	1.85e-02	5.7	5.7	7.1	7.1	-6.5	94.8	-61.0	-216.0	-185.7	-34.8
3001	ok	0.09	0.2	1.59e-02	5.7	5.7	7.1	7.1	-2.1	125.3	-60.3	-198.7	-249.6	-24.1
3002	ok	0.09	0.1	1.90e-02	5.7	5.7	7.1	7.1	6.6	185.2	-36.0	46.6	-183.1	68.0
3003	ok	0.09	0.2	2.68e-02	5.7	5.7	7.1	7.1	-21.7	-33.8	82.3	-118.5	-150.7	-126.2
3004	ok	0.09	0.2	2.47e-02	5.7	5.7	7.1	7.1	-15.7	-33.7	75.0	-94.4	-147.0	-155.5
3005	ok	0.09	0.2	2.23e-02	5.7	5.7	7.1	7.1	-5.3	68.7	-55.6	-84.1	-169.2	-36.6
3006	ok	0.09	0.2	1.94e-02	5.7	5.7	7.1	7.1	6.4	102.7	-52.9	-109.1	-224.9	15.6
3007	ok	0.09	0.2	1.74e-02	5.7	5.7	7.1	7.1	8.3	127.4	-57.9	-69.4	-271.6	-30.3
3008	ok	0.09	0.3	3.45e-02	5.7	5.7	7.1	7.1	21.8	272.1	-46.4	-53.8	-941.9	214.5
3009	ok	0.09	0.2	2.74e-02	5.7	5.7	7.1	7.1	-25.5	-36.8	83.1	-79.4	-119.9	-126.3
3010	ok	0.09	0.2	2.58e-02	5.7	5.7	7.1	7.1	-19.5	-38.1	75.9	-225.8	-117.5	-155.7
3011	ok	0.09	0.2	2.33e-02	5.7	5.7	7.1	7.1	-19.2	-38.1	68.9	-141.8	-123.7	-175.1
3012	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	0.2	96.0	-49.5	-200.7	-205.3	-76.6
3013	ok	0.09	0.2	2.13e-02	5.7	5.7	7.1	7.1	2.6	172.9	-47.3	-159.2	-493.8	227.2
3014	ok	0.09	0.4	2.91e-02	6.2	5.7	7.6	7.1	23.2	291.1	-52.8	-229.7	-1189.3	653.4
3015	ok	0.09	0.1	2.84e-02	5.7	5.7	7.1	7.1	-31.1	-39.5	84.0	-199.2	-73.2	-123.9
3016	ok	0.09	0.2	2.69e-02	5.7	5.7	7.1	7.1	-24.1	-42.0	77.6	-158.0	-78.6	-157.1
3017	ok	0.09	0.2	2.49e-02	5.7	5.7	7.1	7.1	-3.9	60.8	-51.7	-106.7	-179.6	-52.8

3018	ok	0.09	0.2	2.23e-02	5.7	5.7	7.1	7.1	-3.7	103.2	-59.4	-156.8	-218.9	-5.9
3019	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	1.5	160.5	-54.4	-176.2	-349.4	-40.5
3020	ok	0.09	0.2	2.26e-02	5.7	5.7	7.1	7.1	-12.4	118.5	-45.1	126.0	1104.5	-140.6
3021	ok	0.09	0.1	2.97e-02	5.7	5.7	7.1	7.1	-37.8	-39.0	78.8	-130.8	63.1	-81.2
3022	ok	0.09	0.1	2.83e-02	5.7	5.7	7.1	7.1	-30.6	-45.8	80.5	-90.4	-13.2	-149.5
3023	ok	0.09	0.2	2.65e-02	5.7	5.7	7.1	7.1	-18.2	-49.5	70.6	-71.2	-38.2	-192.4
3024	ok	0.09	0.2	2.40e-02	5.7	5.7	7.1	7.1	-1.9	96.2	-55.9	-142.9	-198.1	-108.0
3025	ok	0.09	0.2	2.37e-02	5.7	5.7	7.1	7.1	1.0	173.4	-53.0	-97.3	-442.7	42.7
3026	ok	0.09	0.2	1.77e-02	5.7	5.7	7.1	7.1	7.8	236.9	-49.5	-157.1	-867.2	105.9
3027	ok	0.09	0.1	3.12e-02	5.7	5.7	7.1	7.1	-46.8	-39.6	79.0	-70.7	159.0	-77.7
3028	ok	0.09	0.1	3.06e-02	5.7	5.7	7.1	7.1	-38.5	-44.5	79.4	-13.5	159.7	-99.3
3029	ok	0.09	0.1	2.89e-02	5.7	5.7	7.1	7.1	-32.7	-51.8	70.2	54.3	122.7	-111.5
3030	ok	0.09	0.2	2.62e-02	5.7	5.7	7.1	7.1	-24.1	-63.5	63.7	96.8	83.8	-144.0
3031	ok	0.09	0.2	2.42e-02	5.7	5.7	7.1	7.1	10.3	163.8	-67.9	-82.0	-363.2	-101.6
3032	ok	0.09	0.2	3.22e-02	5.7	5.7	7.1	7.1	14.9	289.2	-56.9	-85.8	-633.2	95.8
3033	ok	0.09	9.53e-02	3.25e-02	5.7	5.7	7.1	7.1	-57.7	-39.2	78.7	-27.2	274.0	-77.9
3034	ok	0.09	0.1	3.31e-02	5.7	5.7	7.1	7.1	-50.5	-44.7	82.1	42.6	299.0	-85.7
3035	ok	0.09	0.1	3.24e-02	5.7	5.7	7.1	7.1	-41.3	-54.2	73.8	112.6	314.9	-85.0
3036	ok	0.09	0.2	3.03e-02	5.7	5.7	7.1	7.1	-29.1	-72.8	62.1	238.3	241.9	153.8
3037	ok	0.09	0.2	3.09e-02	5.7	5.7	7.1	7.1	2.9	190.3	-64.3	-132.8	-491.3	-18.1
3038	ok	0.09	0.3	2.39e-02	5.9	5.7	7.3	7.1	17.9	322.0	-64.6	-186.9	-953.6	431.6
3039	ok	0.09	8.65e-02	3.37e-02	5.7	5.7	7.1	7.1	-69.8	-38.6	85.8	-49.3	286.2	-118.5
3040	ok	0.09	9.78e-02	3.55e-02	5.7	5.7	7.1	7.1	-65.4	-43.8	83.4	78.6	352.7	-84.3
3041	ok	0.09	0.1	3.67e-02	5.7	5.7	7.1	7.1	-51.6	-53.3	91.4	149.7	431.5	-78.9
3042	ok	0.09	0.1	3.45e-02	5.7	5.7	7.1	7.1	-38.4	-81.8	69.5	262.6	429.7	177.4
3043	ok	0.09	0.1	3.36e-02	5.7	5.7	7.1	7.1	-0.6	163.7	-72.7	-63.0	-271.2	-185.1
3044	ok	0.09	0.3	4.54e-02	6.0	5.7	8.0	7.1	29.3	398.8	-72.0	-223.2	-1039.0	-176.6
3045	ok	0.09	0.1	3.79e-02	5.7	5.7	7.1	7.1	-126.7	-32.6	58.5	84.4	119.4	40.6
3046	ok	0.09	0.1	3.70e-02	5.7	5.7	7.1	7.1	-115.9	-38.9	62.7	96.7	140.7	59.4
3047	ok	0.09	0.1	4.07e-02	5.7	5.7	7.1	7.1	-73.1	-57.1	105.4	101.0	462.2	-135.4
3048	ok	0.09	0.1	4.32e-02	5.7	5.7	7.1	7.1	-41.5	-74.4	111.9	303.8	600.0	0.2
3049	ok	0.09	0.2	4.05e-02	5.7	5.7	7.1	7.1	-25.4	-146.0	61.4	350.5	798.6	387.2
3050	ok	0.10	0.4	3.15e-02	7.6	5.7	9.9	7.1	30.9	453.0	-84.0	-297.2	-1360.1	166.9
3051	ok	0.09	0.2	4.41e-02	5.7	5.7	7.1	7.1	-156.5	-28.0	58.4	66.6	154.5	144.2
3052	ok	0.09	0.2	4.50e-02	5.7	5.7	7.1	7.1	-153.9	-34.7	65.2	80.7	186.6	176.1
3053	ok	0.09	0.2	4.58e-02	5.7	5.7	7.1	7.1	-153.1	-41.6	73.6	86.5	194.0	201.0
3054	ok	0.09	0.2	5.09e-02	5.7	5.7	7.1	7.1	-91.5	-81.7	118.7	340.9	728.1	-176.9
3055	ok	0.09	0.2	5.91e-02	5.7	5.7	7.1	7.1	-10.0	-186.1	123.9	576.2	1558.6	56.2
3056	ok	0.13	0.4	4.24e-02	11.3	6.3	15.6	7.7	155.1	638.1	-163.2	-836.3	-2138.0	497.4

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.13	0.70	0.10	11.33	6.25	15.57	7.66	-315.88	-186.12	-163.20	-1353.12	-3192.37	-756.67
								155.11	638.13	144.27	1152.18	1558.59	912.35

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
100	ok	1.93						
120	ok	1.29						
124	ok	1.06						
128	ok	1.07						
132	ok	1.03						
136	ok	0.98						
140	ok	0.91						
144	ok	0.96						
148	ok	0.99						
152	ok	1.01						
156	ok	0.98						
160	ok	0.91						
164	ok	0.81						
168	ok	0.81						
172	ok	0.88						
176	ok	0.94						
180	ok	0.95						
184	ok	0.91						
188	ok	0.84						
192	ok	0.79						
196	ok	0.85						
200	ok	0.88						
204	ok	0.87						
208	ok	0.82						
212	ok	0.73						
216	ok	0.65						
220	ok	0.74						
224	ok	0.83						
228	ok	0.88						

232	ok	0.89
236	ok	0.86
240	ok	0.80
244	ok	0.83
248	ok	0.90
252	ok	0.93
256	ok	0.92
260	ok	0.86
264	ok	0.79
268	ok	0.83
272	ok	0.93
276	ok	1.00
280	ok	1.03
284	ok	1.01
288	ok	0.97
292	ok	0.92
296	ok	1.00
300	ok	1.08
304	ok	1.13
308	ok	1.14
312	ok	1.37
316	ok	1.85
1239	ok	1.91
1240	ok	1.80
1241	ok	1.47
1242	ok	1.76
1243	ok	2.05
1244	ok	2.34
1245	ok	0.54
1246	ok	0.34
1247	ok	0.35
1248	ok	0.43
1249	ok	0.50
1250	ok	0.56
1251	ok	0.24
1252	ok	0.23
1253	ok	0.27
1254	ok	0.32
1255	ok	0.36
1256	ok	0.39
1257	ok	0.26
1258	ok	0.24
1259	ok	0.23
1260	ok	0.27
1261	ok	0.31
1262	ok	0.34
1263	ok	0.28
1264	ok	0.26
1265	ok	0.23
1266	ok	0.25
1267	ok	0.27
1268	ok	0.29
1269	ok	0.31
1270	ok	0.27
1271	ok	0.24
1272	ok	0.24
1273	ok	0.25
1274	ok	0.26
1275	ok	0.33
1276	ok	0.29
1277	ok	0.25
1278	ok	0.24
1279	ok	0.23
1280	ok	0.23
1281	ok	0.36
1282	ok	0.31
1283	ok	0.27
1284	ok	0.24
1285	ok	0.22
1286	ok	0.21
1287	ok	0.38
1288	ok	0.34
1289	ok	0.29
1290	ok	0.25
1291	ok	0.22
1292	ok	0.20
1293	ok	0.41

1294	ok	0.36
1295	ok	0.30
1296	ok	0.26
1297	ok	0.22
1298	ok	0.19
1299	ok	0.43
1300	ok	0.38
1301	ok	0.32
1302	ok	0.27
1303	ok	0.22
1304	ok	0.18
1305	ok	0.45
1306	ok	0.39
1307	ok	0.33
1308	ok	0.28
1309	ok	0.23
1310	ok	0.18
1311	ok	0.46
1312	ok	0.41
1313	ok	0.34
1314	ok	0.29
1315	ok	0.23
1316	ok	0.18
1317	ok	0.47
1318	ok	0.41
1319	ok	0.35
1320	ok	0.29
1321	ok	0.24
1322	ok	0.18
1323	ok	0.48
1324	ok	0.42
1325	ok	0.36
1326	ok	0.30
1327	ok	0.24
1328	ok	0.18
1329	ok	0.48
1330	ok	0.42
1331	ok	0.36
1332	ok	0.30
1333	ok	0.24
1334	ok	0.19
1335	ok	0.48
1336	ok	0.42
1337	ok	0.36
1338	ok	0.30
1339	ok	0.25
1340	ok	0.19
1341	ok	0.48
1342	ok	0.42
1343	ok	0.36
1344	ok	0.31
1345	ok	0.25
1346	ok	0.19
1347	ok	0.47
1348	ok	0.42
1349	ok	0.36
1350	ok	0.31
1351	ok	0.25
1352	ok	0.19
1353	ok	0.47
1354	ok	0.42
1355	ok	0.36
1356	ok	0.31
1357	ok	0.25
1358	ok	0.19
1359	ok	0.47
1360	ok	0.42
1361	ok	0.36
1362	ok	0.31
1363	ok	0.25
1364	ok	0.19
1365	ok	0.47
1366	ok	0.42
1367	ok	0.36
1368	ok	0.31
1369	ok	0.25
1370	ok	0.19

1371	ok	0.48
1372	ok	0.42
1373	ok	0.36
1374	ok	0.30
1375	ok	0.25
1376	ok	0.19
1377	ok	0.48
1378	ok	0.42
1379	ok	0.36
1380	ok	0.30
1381	ok	0.25
1382	ok	0.19
1383	ok	0.48
1384	ok	0.42
1385	ok	0.36
1386	ok	0.30
1387	ok	0.25
1388	ok	0.19
1389	ok	0.47
1390	ok	0.41
1391	ok	0.36
1392	ok	0.30
1393	ok	0.24
1394	ok	0.19
1395	ok	0.48
1396	ok	0.42
1397	ok	0.36
1398	ok	0.30
1399	ok	0.25
1400	ok	0.19
1401	ok	0.48
1402	ok	0.42
1403	ok	0.36
1404	ok	0.30
1405	ok	0.25
1406	ok	0.19
1407	ok	0.48
1408	ok	0.42
1409	ok	0.36
1410	ok	0.31
1411	ok	0.25
1412	ok	0.19
1413	ok	0.47
1414	ok	0.42
1415	ok	0.36
1416	ok	0.31
1417	ok	0.25
1418	ok	0.19
1419	ok	0.47
1420	ok	0.42
1421	ok	0.36
1422	ok	0.31
1423	ok	0.25
1424	ok	0.19
1425	ok	0.47
1426	ok	0.42
1427	ok	0.36
1428	ok	0.31
1429	ok	0.25
1430	ok	0.19
1431	ok	0.47
1432	ok	0.42
1433	ok	0.36
1434	ok	0.31
1435	ok	0.25
1436	ok	0.19
1437	ok	0.48
1438	ok	0.42
1439	ok	0.36
1440	ok	0.31
1441	ok	0.25
1442	ok	0.19
1443	ok	0.48
1444	ok	0.42
1445	ok	0.36
1446	ok	0.30
1447	ok	0.25

1448	ok	0.19
1449	ok	0.48
1450	ok	0.42
1451	ok	0.36
1452	ok	0.30
1453	ok	0.24
1454	ok	0.19
1455	ok	0.48
1456	ok	0.42
1457	ok	0.36
1458	ok	0.30
1459	ok	0.24
1460	ok	0.18
1461	ok	0.47
1462	ok	0.42
1463	ok	0.35
1464	ok	0.29
1465	ok	0.24
1466	ok	0.18
1467	ok	0.47
1468	ok	0.41
1469	ok	0.34
1470	ok	0.29
1471	ok	0.23
1472	ok	0.18
1473	ok	0.45
1474	ok	0.39
1475	ok	0.33
1476	ok	0.28
1477	ok	0.23
1478	ok	0.18
1479	ok	0.43
1480	ok	0.38
1481	ok	0.32
1482	ok	0.27
1483	ok	0.22
1484	ok	0.18
1485	ok	0.41
1486	ok	0.36
1487	ok	0.30
1488	ok	0.26
1489	ok	0.22
1490	ok	0.19
1491	ok	0.38
1492	ok	0.34
1493	ok	0.29
1494	ok	0.25
1495	ok	0.22
1496	ok	0.20
1497	ok	0.36
1498	ok	0.31
1499	ok	0.27
1500	ok	0.24
1501	ok	0.22
1502	ok	0.21
1503	ok	0.33
1504	ok	0.29
1505	ok	0.25
1506	ok	0.24
1507	ok	0.23
1508	ok	0.23
1509	ok	0.31
1510	ok	0.27
1511	ok	0.24
1512	ok	0.24
1513	ok	0.25
1514	ok	0.26
1515	ok	0.29
1516	ok	0.26
1517	ok	0.23
1518	ok	0.25
1519	ok	0.27
1520	ok	0.29
1521	ok	0.26
1522	ok	0.25
1523	ok	0.23
1524	ok	0.27

1525	ok	0.31						
1526	ok	0.34						
1527	ok	0.25						
1528	ok	0.23						
1529	ok	0.27						
1530	ok	0.32						
1531	ok	0.36						
1532	ok	0.39						
1533	ok	0.59						
1534	ok	0.39						
1535	ok	0.35						
1536	ok	0.41						
1537	ok	0.48						
1538	ok	0.54						
1539	ok	2.08						
1540	ok	1.97						
1541	ok	1.51						
1542	ok	1.66						
1543	ok	1.95						
1544	ok	2.26						
2038	ok	2.72						
2039	ok	0.62						
2040	ok	0.41						
2041	ok	0.36						
2042	ok	0.31						
2043	ok	0.27						
2044	ok	0.23						
2045	ok	0.20						
2046	ok	0.18						
2047	ok	0.16						
2048	ok	0.15						
2049	ok	0.14						
2050	ok	0.13						
2051	ok	0.12						
2052	ok	0.12						
2053	ok	0.12						
2054	ok	0.12						
2055	ok	0.12						
2056	ok	0.12						
2057	ok	0.12						
2058	ok	0.12						
2059	ok	0.12						
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2063	ok	0.12						
2064	ok	0.12						
2065	ok	0.12						
2066	ok	0.12						
2067	ok	0.12						
2068	ok	0.12						
2069	ok	0.12						
2070	ok	0.12						
2071	ok	0.12						
2072	ok	0.12						
2073	ok	0.12						
2074	ok	0.12						
2075	ok	0.12						
2076	ok	0.13						
2077	ok	0.14						
2078	ok	0.15						
2079	ok	0.16						
2080	ok	0.18						
2081	ok	0.20						
2082	ok	0.23						
2083	ok	0.26						
2084	ok	0.31						
2085	ok	0.36						
2086	ok	0.41						
2087	ok	0.60						
2088	ok	2.68						
2657	ok	3.00						
2658	ok	3.39						
2659	ok	3.91						
2660	ok	4.00						
2661	ok Av	5.54	0.22	0.02	6.3	0.4	147.3	10.5
2662	ok Av	9.16	0.33	0.14	9.6	4.1	224.4	95.7

2757	ok	3.01						
2758	ok	0.67						
2759	ok	3.34						
2760	ok	0.71						
2761	ok	3.80						
2762	ok	0.73						
2763	ok	4.03						
2764	ok	0.78						
2765	ok	4.55						
2766	ok	1.75						
2767	ok Av	8.37	0.32	0.16	9.2	4.6	215.6	107.4
2768	ok	4.62						
2769	ok	0.42						
2770	ok	0.43						
2771	ok	0.42						
2772	ok	0.49						
2773	ok	0.72						
2774	ok	3.83						
2775	ok	0.37						
2776	ok	0.37						
2777	ok	0.36						
2778	ok	0.36						
2779	ok	0.46						
2780	ok	1.82						
2781	ok	0.32						
2782	ok	0.32						
2783	ok	0.31						
2784	ok	0.28						
2785	ok	0.55						
2786	ok	2.05						
2787	ok	0.27						
2788	ok	0.27						
2789	ok	0.26						
2790	ok	0.21						
2791	ok	0.36						
2792	ok	1.52						
2793	ok	0.23						
2794	ok	0.23						
2795	ok	0.23						
2796	ok	0.19						
2797	ok	0.55						
2798	ok	1.75						
2799	ok	0.20						
2800	ok	0.21						
2801	ok	0.21						
2802	ok	0.23						
2803	ok	0.36						
2804	ok	1.41						
2805	ok	0.17						
2806	ok	0.18						
2807	ok	0.21						
2808	ok	0.22						
2809	ok	0.55						
2810	ok	1.69						
2811	ok	0.15						
2812	ok	0.17						
2813	ok	0.20						
2814	ok	0.30						
2815	ok	0.72						
2816	ok	2.46						
2817	ok	0.14						
2818	ok	0.16						
2819	ok	0.23						
2820	ok	0.23						
2821	ok	0.89						
2822	ok	2.80						
2823	ok	0.12						
2824	ok	0.17						
2825	ok	0.20						
2826	ok	0.32						
2827	ok	0.66						
2828	ok	1.93						
2829	ok	0.11						
2830	ok	0.16						
2831	ok	0.23						
2832	ok	0.25						
2833	ok	0.65						

2834	ok	1.91
2835	ok	0.11
2836	ok	0.16
2837	ok	0.21
2838	ok	0.30
2839	ok	0.36
2840	ok	0.90
2841	ok	0.11
2842	ok	0.16
2843	ok	0.23
2844	ok	0.30
2845	ok	0.67
2846	ok	1.86
2847	ok	0.10
2848	ok	0.17
2849	ok	0.22
2850	ok	0.34
2851	ok	1.28
2852	ok	3.40
2853	ok	0.10
2854	ok	0.16
2855	ok	0.25
2856	ok	0.26
2857	ok	1.29
2858	ok	4.68
2859	ok	0.10
2860	ok	0.17
2861	ok	0.22
2862	ok	0.38
2863	ok	1.29
2864	ok	4.58
2865	ok	0.10
2866	ok	0.17
2867	ok	0.25
2868	ok	0.32
2869	ok	0.76
2870	ok	3.58
2871	ok	0.10
2872	ok	0.17
2873	ok	0.23
2874	ok	0.34
2875	ok	0.39
2876	ok	1.35
2877	ok	0.10
2878	ok	0.17
2879	ok	0.24
2880	ok	0.27
2881	ok	0.50
2882	ok	1.48
2883	ok	0.10
2884	ok	0.17
2885	ok	0.22
2886	ok	0.34
2887	ok	0.35
2888	ok	0.76
2889	ok	0.10
2890	ok	0.16
2891	ok	0.24
2892	ok	0.26
2893	ok	0.46
2894	ok	0.94
2895	ok	0.10
2896	ok	0.16
2897	ok	0.22
2898	ok	0.33
2899	ok	0.34
2900	ok	0.68
2901	ok	0.10
2902	ok	0.16
2903	ok	0.23
2904	ok	0.25
2905	ok	0.45
2906	ok	0.85
2907	ok	0.10
2908	ok	0.16
2909	ok	0.21
2910	ok	0.32

2911	ok	0.34
2912	ok	0.65
2913	ok	0.10
2914	ok	0.16
2915	ok	0.24
2916	ok	0.25
2917	ok	0.45
2918	ok	0.86
2919	ok	0.10
2920	ok	0.16
2921	ok	0.22
2922	ok	0.33
2923	ok	0.34
2924	ok	0.69
2925	ok	0.10
2926	ok	0.16
2927	ok	0.24
2928	ok	0.26
2929	ok	0.46
2930	ok	0.91
2931	ok	0.10
2932	ok	0.17
2933	ok	0.22
2934	ok	0.33
2935	ok	0.34
2936	ok	0.73
2937	ok	0.10
2938	ok	0.17
2939	ok	0.24
2940	ok	0.27
2941	ok	0.50
2942	ok	1.49
2943	ok	0.10
2944	ok	0.17
2945	ok	0.23
2946	ok	0.34
2947	ok	0.39
2948	ok	1.39
2949	ok	0.10
2950	ok	0.17
2951	ok	0.25
2952	ok	0.33
2953	ok	0.75
2954	ok	3.60
2955	ok	0.10
2956	ok	0.17
2957	ok	0.22
2958	ok	0.39
2959	ok	1.28
2960	ok	4.62
2961	ok	0.10
2962	ok	0.16
2963	ok	0.26
2964	ok	0.27
2965	ok	1.31
2966	ok	4.74
2967	ok	0.10
2968	ok	0.17
2969	ok	0.22
2970	ok	0.34
2971	ok	1.22
2972	ok	3.30
2973	ok	0.11
2974	ok	0.16
2975	ok	0.23
2976	ok	0.28
2977	ok	0.57
2978	ok	1.84
2979	ok	0.11
2980	ok	0.17
2981	ok	0.21
2982	ok	0.30
2983	ok	0.49
2984	ok	1.00
2985	ok	0.11
2986	ok	0.16
2987	ok	0.23

2988	ok	0.24
2989	ok	0.76
2990	ok	1.96
2991	ok	0.12
2992	ok	0.16
2993	ok	0.21
2994	ok	0.32
2995	ok	0.62
2996	ok	1.59
2997	ok	0.14
2998	ok	0.16
2999	ok	0.22
3000	ok	0.24
3001	ok	0.46
3002	ok	1.10
3003	ok	0.15
3004	ok	0.17
3005	ok	0.20
3006	ok	0.28
3007	ok	0.53
3008	ok	0.96
3009	ok	0.17
3010	ok	0.18
3011	ok	0.21
3012	ok	0.21
3013	ok	0.82
3014	ok	2.53
3015	ok	0.20
3016	ok	0.20
3017	ok	0.21
3018	ok	0.24
3019	ok	0.53
3020	ok	2.17
3021	ok	0.23
3022	ok	0.23
3023	ok	0.23
3024	ok	0.19
3025	ok	0.54
3026	ok	1.78
3027	ok	0.27
3028	ok	0.27
3029	ok	0.26
3030	ok	0.21
3031	ok	0.36
3032	ok	1.54
3033	ok	0.32
3034	ok	0.31
3035	ok	0.31
3036	ok	0.29
3037	ok	0.59
3038	ok	2.10
3039	ok	0.36
3040	ok	0.36
3041	ok	0.36
3042	ok	0.36
3043	ok	0.47
3044	ok	1.81
3045	ok	0.42
3046	ok	0.42
3047	ok	0.41
3048	ok	0.47
3049	ok	0.72
3050	ok	3.01
3051	ok	0.65
3052	ok	0.69
3053	ok	0.72
3054	ok	0.75
3055	ok	1.80
3056	ok	4.41

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	9.16	0.33	0.16	9.58	4.58	224.37	107.36

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
15	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
360	ok	0.09	0.1	6.13e-02	5.7	5.7	7.1	7.1	-242.1	-39.2	-51.9	134.3	-94.6	66.5
364	ok	0.09	0.3	5.33e-02	5.7	5.7	7.1	7.1	-216.1	-42.1	-29.3	250.3	-74.3	205.8
368	ok	0.09	0.3	4.04e-02	5.7	5.7	7.1	7.1	-115.2	-69.1	57.4	-68.2	8.9	1304.2
372	ok	0.09	0.3	3.50e-02	5.7	5.7	7.1	7.1	-82.0	-67.6	58.2	-191.6	-63.2	1332.6
376	ok	0.09	0.3	3.45e-02	5.7	5.7	7.1	7.1	-100.2	44.9	-71.4	117.8	-11.5	-379.0
380	ok	0.09	0.3	3.64e-02	5.7	5.7	7.1	7.1	-118.7	22.0	-54.4	6.8	-11.1	-1738.0
384	ok	0.09	0.3	3.28e-02	5.7	5.7	7.1	7.1	-114.5	20.1	-58.4	-17.5	-18.4	-298.9
388	ok	0.09	0.2	3.16e-02	5.7	5.7	7.1	7.1	29.4	-64.2	-93.5	-88.8	-51.2	168.9
392	ok	0.09	0.1	3.40e-02	5.7	5.7	7.1	7.1	6.3	-62.0	-95.3	-67.7	-47.0	190.4
396	ok	0.09	9.31e-02	3.75e-02	5.7	5.7	7.1	7.1	-102.3	-23.3	-75.9	54.9	-12.3	127.8
400	ok	0.09	8.53e-02	4.05e-02	5.7	5.7	7.1	7.1	-127.3	-13.0	-72.3	102.5	-19.4	125.6
404	ok	0.09	8.68e-02	4.21e-02	5.7	5.7	7.1	7.1	-148.5	-4.2	-59.9	147.9	-24.7	102.4
408	ok	0.09	0.2	4.17e-02	5.7	5.7	7.1	7.1	-129.9	-0.7	-80.9	-805.1	-243.8	213.1
412	ok	0.09	0.2	3.93e-02	5.7	5.7	7.1	7.1	-128.9	-2.5	-60.7	-799.2	-238.2	172.9
416	ok	0.09	0.2	3.63e-02	5.7	5.7	7.1	7.1	-135.9	-14.0	45.4	-48.1	-86.9	10.6
420	ok	0.09	0.2	3.44e-02	5.7	5.7	7.1	7.1	-118.7	-19.2	52.1	-62.9	-56.4	-29.5
424	ok	0.09	0.2	3.22e-02	5.7	5.7	7.1	7.1	-99.6	-26.8	56.1	-83.8	-44.1	-41.2
428	ok	0.09	0.2	2.98e-02	5.7	5.7	7.1	7.1	-81.1	-33.9	54.5	-105.6	-34.1	-38.3
432	ok	0.09	0.2	2.70e-02	5.7	5.7	7.1	7.1	-56.7	-35.8	61.5	398.3	67.3	-35.5
436	ok	0.09	0.2	2.86e-02	5.7	5.7	7.1	7.1	-49.0	-36.1	59.1	391.0	66.7	-8.0
440	ok	0.09	0.2	3.12e-02	5.7	5.7	7.1	7.1	-58.3	-22.7	-84.6	-133.5	5.7	67.7
444	ok	0.09	0.2	3.38e-02	5.7	5.7	7.1	7.1	-73.2	-16.5	-92.2	-158.5	-17.0	69.6
448	ok	0.09	0.2	3.51e-02	5.7	5.7	7.1	7.1	-90.2	-11.0	-83.7	-134.6	-31.1	270.6
452	ok	0.09	0.2	3.55e-02	5.7	5.7	7.1	7.1	-106.3	-6.2	-77.1	-109.4	-43.2	229.5
456	ok	0.09	0.2	3.64e-02	5.7	5.7	7.1	7.1	-117.1	-4.0	-66.0	-90.6	-49.9	43.6
460	ok	0.09	0.2	3.72e-02	5.7	5.7	7.1	7.1	-117.4	-1.1	-47.0	-52.3	-54.4	-139.2
464	ok	0.09	0.2	3.68e-02	5.7	5.7	7.1	7.1	-117.6	-3.1	65.8	-90.8	-55.9	-41.5
468	ok	0.09	0.2	3.58e-02	5.7	5.7	7.1	7.1	-107.3	-5.5	77.8	-110.2	-50.4	-235.2
472	ok	0.09	0.2	3.54e-02	5.7	5.7	7.1	7.1	-90.9	-10.8	88.5	-136.0	-37.9	-278.2
476	ok	0.09	0.2	3.42e-02	5.7	5.7	7.1	7.1	-73.2	-16.7	94.0	-158.6	-21.4	-72.8
480	ok	0.09	0.2	3.15e-02	5.7	5.7	7.1	7.1	-57.8	-22.8	86.1	-119.6	4.2	-70.4
484	ok	0.09	0.2	2.88e-02	5.7	5.7	7.1	7.1	-48.8	-25.4	78.3	-203.2	13.4	-53.8
488	ok	0.09	0.2	2.68e-02	5.7	5.7	7.1	7.1	-57.0	-36.2	-60.2	396.4	68.0	34.9
492	ok	0.09	0.2	2.95e-02	5.7	5.7	7.1	7.1	-70.0	-29.1	-71.1	411.5	54.7	54.6
496	ok	0.09	0.2	3.20e-02	5.7	5.7	7.1	7.1	-99.8	-26.6	-54.9	-78.7	-40.3	41.6
500	ok	0.09	0.2	3.41e-02	5.7	5.7	7.1	7.1	-105.8	-17.0	-67.1	451.9	18.3	68.1
504	ok	0.09	0.2	3.59e-02	5.7	5.7	7.1	7.1	-120.6	-11.0	-53.9	464.3	10.0	59.8
508	ok	0.09	0.2	3.89e-02	5.7	5.7	7.1	7.1	-127.8	7.7	63.9	-778.4	-90.6	-178.9
512	ok	0.09	0.2	4.12e-02	5.7	5.7	7.1	7.1	-127.8	1.4	81.7	-783.4	-94.4	-237.4
516	ok	0.09	0.2	4.22e-02	5.7	5.7	7.1	7.1	-115.9	5.7	97.6	-800.4	-69.5	-274.6
520	ok	0.09	8.66e-02	3.98e-02	5.7	5.7	7.1	7.1	-55.5	-20.1	111.7	-218.4	-0.2	-314.9
524	ok	0.09	9.77e-02	3.67e-02	5.7	5.7	7.1	7.1	-96.4	-24.0	78.0	63.0	-6.5	-134.8
528	ok	0.09	0.1	3.40e-02	5.7	5.7	7.1	7.1	-97.1	-24.0	60.2	47.6	6.7	-92.3
532	ok	0.09	0.2	3.18e-02	5.7	5.7	7.1	7.1	36.0	-67.4	93.8	-104.2	-59.9	-172.8
536	ok	0.09	0.3	3.52e-02	5.7	5.7	7.1	7.1	-107.1	17.6	80.5	-22.1	-6.9	1649.0
540	ok	0.09	0.2	3.48e-02	5.7	5.7	7.1	7.1	-117.5	33.9	69.6	-61.2	-27.7	264.0
544	ok	0.09	0.3	3.29e-02	5.7	5.7	7.1	7.1	-94.5	37.2	74.6	98.4	6.2	373.4
548	ok	0.09	0.3	3.39e-02	5.7	5.7	7.1	7.1	-78.1	-69.0	-63.3	-220.9	-71.3	-1301.5
552	ok	0.09	0.3	3.99e-02	5.7	5.7	7.1	7.1	-114.8	-69.3	-62.7	-75.5	4.3	250.4
556	ok	0.09	0.3	5.62e-02	5.7	5.7	7.1	7.1	-199.3	-24.8	-65.4	381.3	84.0	-469.4
560	ok	0.09	0.3	6.26e-02	5.7	5.7	7.1	7.1	-256.1	-38.2	29.0	160.5	-58.3	-1235.9
1545	ok	0.09	0.3	5.60e-02	5.7	5.7	7.1	7.1	-181.5	14.5	-71.6	-192.6	-188.4	-112.1
1546	ok	0.09	0.3	4.98e-02	5.7	5.7	7.1	7.1	-178.5	-24.4	68.1	98.4	157.8	367.1
1547	ok	0.09	8.83e-02	5.02e-02	5.7	5.7	7.1	7.1	-183.5	4.9	-73.2	-272.8	-153.8	-152.3
1548	ok	0.09	0.3	4.62e-02	5.7	5.7	7.1	7.1	-146.4	-14.2	42.8	-13.6	64.9	407.8
1549	ok	0.09	9.51e-02	4.55e-02	5.7	5.7	7.1	7.1	-151.2	-4.9	-84.0	-137.4	-251.7	-197.1
1550	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-83.7	6.6	-90.1	133.7	-112.2	378.4
1551	ok	0.09	0.1	3.92e-02	5.7	5.7	7.1	7.1	-54.6	6.1	-101.9	184.8	-362.9	-243.3
1552	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-108.0	-3.6	-107.4	-301.7	-397.6	67.2
1553	ok	0.09	0.1	3.34e-02	5.7	5.7	7.1	7.1	-60.3	-4.2	-103.9	114.6	-405.3	-258.1
1554	ok	0.09	0.1	3.75e-02	5.7	5.7	7.1	7.1	-82.7	2.6	-91.5	144.1	-160.6	304.6
1555	ok	0.09	0.1	2.95e-02	5.7	5.7	7.1	7.1	-91.5	-7.3	41.4	128.9	983.0	-49.7
1556	ok	0.09	0.1	3.36e-02	5.7	5.7	7.1	7.1	-69.7	-7.2	37.7	65.3	886.6	209.2
1557	ok	0.09	0.3	4.26e-02	5.7	5.7	7.1	7.1	-116.5	-38.8	49.5	-176.7	42.9	1617.0
1558	ok	0.09	0.3	3.92e-02	5.7	5.7	7.1	7.1	-114.9	15.1	-61.7	87.2	48.1	538.0
1559	ok	0.09	0.3	4.06e-02	5.7	5.7	7.1	7.1	-99.2	3.6	-90.5	149.1	-110.1	416.0
1560	ok	0.09	0.3	3.76e-02	5.7	5.7	7.1	7.1	-81.2	3.3	-90.5	251.1	-148.1	375.3
1561	ok	0.09	0.1	3.43e-02	5.7	5.7	7.1	7.1	-66.8	4.1	-87.8	312.3	-172.3	312.5

1562	ok	0.09	0.1	3.09e-02	5.7	5.7	7.1	7.1	-71.0	1.3	-87.1	254.7	-204.5	278.9
1563	ok	0.09	0.3	3.86e-02	5.7	5.7	7.1	7.1	-86.9	-37.2	48.1	-214.3	-18.9	1721.8
1564	ok	0.09	0.3	3.69e-02	5.7	5.7	7.1	7.1	-106.0	8.4	-60.7	102.8	-67.5	567.4
1565	ok	0.09	0.3	3.35e-02	5.7	5.7	7.1	7.1	-95.9	12.9	-59.7	156.4	47.8	489.2
1566	ok	0.09	0.3	3.51e-02	5.7	5.7	7.1	7.1	-81.2	3.6	-82.1	331.4	-26.6	331.7
1567	ok	0.09	0.2	3.22e-02	5.7	5.7	7.1	7.1	-69.4	6.1	-80.8	395.3	-69.3	274.5
1568	ok	0.09	0.2	2.94e-02	5.7	5.7	7.1	7.1	-58.8	8.5	-76.9	432.1	-73.0	197.3
1569	ok	0.09	0.3	3.86e-02	5.7	5.7	7.1	7.1	-88.9	38.0	-72.8	154.3	15.4	-387.1
1570	ok	0.09	0.3	3.47e-02	5.7	5.7	7.1	7.1	-102.1	11.4	-56.9	112.4	15.2	502.8
1571	ok	0.09	0.3	3.20e-02	5.7	5.7	7.1	7.1	-93.5	8.9	-59.5	169.0	19.7	519.2
1572	ok	0.09	0.2	3.07e-02	5.7	5.7	7.1	7.1	-80.8	12.9	-74.0	30.7	-32.1	-395.5
1573	ok	0.09	0.3	3.06e-02	5.7	5.7	7.1	7.1	-70.4	6.5	-76.8	485.7	-14.1	272.2
1574	ok	0.09	0.2	2.82e-02	5.7	5.7	7.1	7.1	-59.4	11.7	-73.3	579.2	360.0	159.7
1575	ok	0.09	0.3	4.05e-02	5.7	5.7	7.1	7.1	-93.3	31.7	-72.9	122.6	-2.7	-401.5
1576	ok	0.09	0.3	3.74e-02	5.7	5.7	7.1	7.1	-122.1	19.2	-76.8	-226.6	-20.4	-280.6
1577	ok	0.09	0.2	3.21e-02	5.7	5.7	7.1	7.1	-91.6	14.0	-76.5	61.8	-36.9	-402.8
1578	ok	0.09	0.3	2.99e-02	5.7	5.7	7.1	7.1	-82.6	10.2	-73.0	19.3	-63.2	-385.7
1579	ok	0.09	0.2	2.81e-02	5.7	5.7	7.1	7.1	-65.6	12.2	-70.7	-59.2	-111.4	-339.2
1580	ok	0.09	0.2	2.68e-02	5.7	5.7	7.1	7.1	-60.3	11.0	-72.3	652.4	328.7	179.3
1581	ok	0.09	0.3	3.58e-02	5.7	5.7	7.1	7.1	-122.7	16.4	-65.7	115.8	-8.7	-1764.9
1582	ok	0.09	0.3	3.72e-02	5.7	5.7	7.1	7.1	-47.2	9.8	-61.7	112.1	-47.9	-1434.8
1583	ok	0.09	0.2	3.46e-02	5.7	5.7	7.1	7.1	-109.8	16.4	-72.1	-198.1	-37.0	-259.5
1584	ok	0.09	0.3	3.06e-02	5.7	5.7	7.1	7.1	-72.1	13.1	-76.2	-31.6	-97.8	-354.4
1585	ok	0.09	0.3	2.84e-02	5.7	5.7	7.1	7.1	-64.8	11.9	-69.7	-80.3	-140.6	-330.0
1586	ok	0.09	0.3	2.68e-02	5.7	5.7	7.1	7.1	-65.3	5.0	-67.5	-136.7	-252.5	-310.0
1587	ok	0.09	0.3	3.21e-02	5.7	5.7	7.1	7.1	-90.3	12.7	-65.0	-572.7	-9.2	-1385.6
1588	ok	0.09	0.3	3.02e-02	5.7	5.7	7.1	7.1	-96.5	10.2	-63.0	-599.8	-52.4	-1435.3
1589	ok	0.09	0.2	3.17e-02	5.7	5.7	7.1	7.1	-89.2	11.4	-46.7	-779.3	-55.7	-793.8
1590	ok	0.09	0.2	3.20e-02	5.7	5.7	7.1	7.1	-90.3	9.1	-45.7	-808.5	-60.7	-794.5
1591	ok	0.09	0.2	2.92e-02	5.7	5.7	7.1	7.1	-84.8	11.8	-70.1	-234.5	-111.6	-221.1
1592	ok	0.09	0.3	2.54e-02	5.7	5.7	7.1	7.1	-64.3	6.2	-68.4	-156.8	-253.7	-302.5
1593	ok	0.09	0.1	3.29e-02	5.7	5.7	7.1	7.1	-0.6	-53.1	-91.4	-66.5	-50.9	114.9
1594	ok	0.09	0.3	3.13e-02	5.7	5.7	7.1	7.1	-90.8	11.2	-62.8	-535.1	-106.1	-1315.9
1595	ok	0.09	0.3	2.95e-02	5.7	5.7	7.1	7.1	-91.8	7.8	-59.8	-565.2	-151.7	-1326.1
1596	ok	0.09	0.2	2.72e-02	5.7	5.7	7.1	7.1	-90.3	10.1	-42.9	-798.6	-73.3	-785.9
1597	ok	0.09	0.2	2.51e-02	5.7	5.7	7.1	7.1	-74.5	6.0	-51.4	150.3	16.5	-29.5
1598	ok	0.09	0.3	2.30e-02	5.7	5.7	7.1	7.1	-64.4	7.3	-49.3	164.4	24.6	-19.4
1599	ok	0.09	0.1	3.49e-02	5.7	5.7	7.1	7.1	-97.5	-15.8	-70.8	99.8	-9.1	-22.6
1600	ok	0.09	0.2	3.21e-02	5.7	5.7	7.1	7.1	-102.5	13.2	-47.2	-663.3	-40.3	-776.6
1601	ok	0.09	0.2	3.04e-02	5.7	5.7	7.1	7.1	-100.7	11.0	-43.5	-691.6	-69.3	-782.6
1602	ok	0.09	0.3	2.77e-02	5.7	5.7	7.1	7.1	-32.9	-13.2	-78.1	875.9	203.4	179.0
1603	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-75.6	7.4	-47.8	144.5	9.2	-31.1
1604	ok	0.09	0.3	2.23e-02	5.7	5.7	7.1	7.1	-64.5	9.2	-45.7	156.9	15.9	-19.8
1605	ok	0.09	0.1	3.63e-02	5.7	5.7	7.1	7.1	-112.8	-8.8	-67.0	115.8	-6.6	-23.5
1606	ok	0.09	0.1	3.26e-02	5.7	5.7	7.1	7.1	-100.0	-5.9	-59.5	132.5	-0.1	-39.1
1607	ok	0.09	0.2	2.95e-02	5.7	5.7	7.1	7.1	-39.1	-14.2	-75.9	944.3	202.6	205.9
1608	ok	0.09	0.2	2.66e-02	5.7	5.7	7.1	7.1	-36.3	-12.0	-73.4	883.0	202.2	197.9
1609	ok	0.09	0.2	2.40e-02	5.7	5.7	7.1	7.1	-76.5	8.7	-43.5	138.6	5.1	-31.7
1610	ok	0.09	0.2	2.21e-02	5.7	5.7	7.1	7.1	-51.9	13.2	-53.1	-904.8	61.5	-501.2
1611	ok	0.09	0.1	3.69e-02	5.7	5.7	7.1	7.1	-125.2	-3.0	-57.8	131.8	-2.4	-26.9
1612	ok	0.09	0.1	3.25e-02	5.7	5.7	7.1	7.1	-117.4	3.8	-42.5	133.9	8.2	-42.1
1613	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-102.2	5.7	-41.2	135.3	6.9	-42.7
1614	ok	0.09	0.2	2.74e-02	5.7	5.7	7.1	7.1	-66.6	-9.2	-71.0	726.8	214.7	110.3
1615	ok	0.09	0.2	2.37e-02	5.7	5.7	7.1	7.1	-34.1	-10.7	-69.7	1098.9	166.5	99.9
1616	ok	0.09	0.2	2.26e-02	5.7	5.7	7.1	7.1	-52.1	14.6	-49.1	-947.6	55.1	-487.8
1617	ok	0.09	0.2	3.75e-02	5.7	5.7	7.1	7.1	-113.9	-6.9	-77.5	-881.6	27.0	134.7
1618	ok	0.09	0.1	3.18e-02	5.7	5.7	7.1	7.1	-55.9	-7.1	-75.6	500.7	7.2	104.2
1619	ok	0.09	0.2	2.82e-02	5.7	5.7	7.1	7.1	-102.7	5.8	-34.0	134.7	10.5	-41.2
1620	ok	0.09	0.2	2.67e-02	5.7	5.7	7.1	7.1	-67.8	-8.6	-65.1	755.4	218.1	133.3
1621	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-35.6	-10.0	-63.8	1113.2	168.8	124.2
1622	ok	0.09	0.2	2.42e-02	5.7	5.7	7.1	7.1	-52.0	16.4	-46.6	-985.4	58.5	-455.9
1623	ok	0.09	0.2	3.50e-02	5.7	5.7	7.1	7.1	-113.7	-7.7	-66.6	-879.5	29.4	171.6
1624	ok	0.09	0.1	3.17e-02	5.7	5.7	7.1	7.1	-96.1	-7.8	-66.4	-110.6	8.4	127.7
1625	ok	0.09	0.2	2.89e-02	5.7	5.7	7.1	7.1	-48.9	-7.3	-67.2	601.8	71.0	85.2
1626	ok	0.09	0.2	2.59e-02	5.7	5.7	7.1	7.1	-67.8	-8.1	-61.4	778.0	195.5	111.3
1627	ok	0.09	0.2	2.39e-02	5.7	5.7	7.1	7.1	-36.7	-9.4	-60.9	1119.1	145.3	104.1
1628	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-54.7	15.5	-62.1	927.0	480.3	34.0
1629	ok	0.09	0.2	3.24e-02	5.7	5.7	7.1	7.1	-124.4	0.7	36.1	-129.8	41.2	36.9
1630	ok	0.09	0.1	2.98e-02	5.7	5.7	7.1	7.1	-87.4	-8.4	-57.3	153.1	68.3	110.4
1631	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-76.3	-8.2	-58.3	509.5	141.9	103.0
1632	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-66.8	-8.4	-57.8	796.5	173.1	91.4
1633	ok	0.09	0.2	2.38e-02	5.7	5.7	7.1	7.1	-37.2	-9.2	-60.9	1116.0	93.8	41.7
1634	ok	0.09	0.2	2.23e-02	5.7	5.7	7.1	7.1	-49.8	17.0	-54.2	1170.7	527.8	48.8
1635	ok	0.09	0.2	3.15e-02	5.7	5.7	7.1	7.1	-113.1	-5.7	44.5	-132.7	42.8	29.3
1636	ok	0.09	0.1	2.88e-02	5.7	5.7	7.1	7.1	-82.5	-10.9	-52.4	155.8	62.2	88.5
1637	ok	0.09	0.2	2.67e-02	5.7	5.7	7.1	7.1	-73.5	-9.7	-54.5	519.4	126.4	82.6
1638	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-65.3	-9.2	-54.8	811.2	152.2	73.6

1639	ok	0.09	0.2	2.41e-02	5.7	5.7	7.1	7.1	-57.5	-9.0	-54.2	1027.9	143.5	58.4
1640	ok	0.09	0.2	2.20e-02	5.7	5.7	7.1	7.1	-49.2	18.2	-51.8	1191.4	515.9	40.7
1641	ok	0.09	0.2	3.00e-02	5.7	5.7	7.1	7.1	-80.4	-9.4	58.4	188.3	53.6	10.5
1642	ok	0.09	0.1	2.69e-02	5.7	5.7	7.1	7.1	-76.8	-13.9	-49.7	157.9	60.7	69.2
1643	ok	0.09	0.2	2.63e-02	5.7	5.7	7.1	7.1	-70.3	-11.5	-51.9	527.1	113.8	64.4
1644	ok	0.09	0.2	2.52e-02	5.7	5.7	7.1	7.1	-63.5	-10.1	-52.4	822.5	132.8	57.5
1645	ok	0.09	0.2	2.39e-02	5.7	5.7	7.1	7.1	-56.4	-9.4	-51.9	1041.7	120.1	46.0
1646	ok	0.09	0.2	2.18e-02	5.7	5.7	7.1	7.1	-48.6	19.3	-49.6	1207.0	503.4	33.6
1647	ok	0.09	0.2	2.84e-02	5.7	5.7	7.1	7.1	-85.8	-26.1	50.7	-150.7	-48.3	-39.8
1648	ok	0.09	0.1	2.65e-02	5.7	5.7	7.1	7.1	-72.0	-16.6	-49.2	159.9	60.5	52.5
1649	ok	0.09	0.1	2.63e-02	5.7	5.7	7.1	7.1	-67.6	-13.2	-50.7	532.8	102.0	48.1
1650	ok	0.09	0.2	2.51e-02	5.7	5.7	7.1	7.1	-61.9	-11.0	-50.7	830.6	114.2	43.1
1651	ok	0.09	0.2	2.32e-02	5.7	5.7	7.1	7.1	-55.4	13.5	-51.3	1048.9	419.7	-1.1
1652	ok	0.09	0.2	2.17e-02	5.7	5.7	7.1	7.1	-48.1	20.4	-47.6	1217.9	491.0	27.3
1653	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-55.7	-17.4	-75.2	-253.9	-16.2	-3.8
1654	ok	0.09	4.98e-02	2.71e-02	5.7	5.7	7.1	7.1	-69.1	-16.6	-52.8	160.4	60.9	-4.6
1655	ok	0.09	0.1	2.67e-02	5.7	5.7	7.1	7.1	-51.3	-12.3	-72.2	233.3	13.6	-37.1
1656	ok	0.09	0.2	2.52e-02	5.7	5.7	7.1	7.1	-61.1	-11.6	-49.6	835.9	95.3	30.1
1657	ok	0.09	0.2	2.32e-02	5.7	5.7	7.1	7.1	-55.1	13.4	-48.4	1057.7	422.5	24.7
1658	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	-47.8	21.4	-45.8	1224.6	478.7	21.5
1659	ok	0.09	0.2	2.88e-02	5.7	5.7	7.1	7.1	-59.4	-19.2	-79.0	-243.8	-11.8	40.1
1660	ok	0.09	7.78e-02	2.80e-02	5.7	5.7	7.1	7.1	-54.9	-11.7	-75.4	118.4	39.8	-34.6
1661	ok	0.09	0.1	2.71e-02	5.7	5.7	7.1	7.1	-52.9	-7.5	-72.8	233.2	91.9	-39.2
1662	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-49.1	-6.6	-70.0	322.6	18.7	-38.9
1663	ok	0.09	0.2	2.31e-02	5.7	5.7	7.1	7.1	-55.1	14.2	-46.9	1060.6	411.4	15.3
1664	ok	0.09	0.2	2.05e-02	5.7	5.7	7.1	7.1	-33.9	21.6	-44.7	1285.9	423.3	23.3
1665	ok	0.09	0.2	3.09e-02	5.7	5.7	7.1	7.1	-67.5	-17.2	-83.1	-202.3	-14.8	34.8
1666	ok	0.09	8.31e-02	2.89e-02	5.7	5.7	7.1	7.1	-59.1	-10.6	-76.8	121.1	31.8	-36.2
1667	ok	0.09	0.1	2.71e-02	5.7	5.7	7.1	7.1	-55.8	-6.7	-72.9	232.7	33.9	-41.1
1668	ok	0.09	0.2	2.56e-02	5.7	5.7	7.1	7.1	-51.2	-6.1	-69.4	319.8	10.0	-40.5
1669	ok	0.09	0.2	2.31e-02	5.7	5.7	7.1	7.1	-55.6	16.0	-46.1	1058.3	389.6	-27.9
1670	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	-34.5	23.5	-46.9	1279.1	401.4	-31.6
1671	ok	0.09	0.2	3.24e-02	5.7	5.7	7.1	7.1	-77.3	-13.6	-83.0	-212.3	-30.7	-19.9
1672	ok	0.09	8.34e-02	2.98e-02	5.7	5.7	7.1	7.1	-65.0	-8.6	-76.7	123.4	23.8	-38.1
1673	ok	0.09	0.1	2.74e-02	5.7	5.7	7.1	7.1	-59.6	-5.4	-72.1	231.1	26.0	-42.9
1674	ok	0.09	0.2	2.56e-02	5.7	5.7	7.1	7.1	-53.7	-5.1	-68.1	315.7	5.1	-42.0
1675	ok	0.09	0.2	2.30e-02	5.7	5.7	7.1	7.1	-56.7	16.7	-43.3	1057.3	390.5	-1.5
1676	ok	0.09	0.2	2.09e-02	5.7	5.7	7.1	7.1	-35.2	24.0	-40.7	1280.4	401.9	9.0
1677	ok	0.09	0.2	3.34e-02	5.7	5.7	7.1	7.1	-88.6	-9.9	-73.1	-203.7	-35.1	172.4
1678	ok	0.09	8.45e-02	3.01e-02	5.7	5.7	7.1	7.1	-71.0	-6.3	-74.6	161.1	17.1	-40.5
1679	ok	0.09	0.1	2.73e-02	5.7	5.7	7.1	7.1	-63.7	-3.9	-70.0	227.8	19.0	-44.9
1680	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-56.5	-3.7	-66.2	310.0	3.0	-43.5
1681	ok	0.09	0.2	2.28e-02	5.7	5.7	7.1	7.1	-49.6	8.6	-62.3	369.3	120.6	-37.0
1682	ok	0.09	0.2	2.12e-02	5.7	5.7	7.1	7.1	-37.2	14.2	-58.2	494.4	139.0	-29.9
1683	ok	0.09	0.2	3.22e-02	5.7	5.7	7.1	7.1	-98.1	-6.7	-67.3	-195.9	-37.8	148.3
1684	ok	0.09	0.1	3.00e-02	5.7	5.7	7.1	7.1	-76.2	-4.3	-70.4	170.4	12.4	-43.5
1685	ok	0.09	0.1	2.74e-02	5.7	5.7	7.1	7.1	-67.2	-2.7	-66.7	224.5	13.3	-46.8
1686	ok	0.09	0.2	2.50e-02	5.7	5.7	7.1	7.1	-58.8	5.7	-62.8	-235.9	47.9	-171.0
1687	ok	0.09	0.2	2.28e-02	5.7	5.7	7.1	7.1	-45.0	9.6	-60.0	453.1	117.6	-37.9
1688	ok	0.09	0.3	2.10e-02	5.7	5.7	7.1	7.1	-38.4	15.3	-56.3	485.1	134.8	-30.2
1689	ok	0.09	0.2	3.17e-02	5.7	5.7	7.1	7.1	-102.9	-2.2	-59.2	-190.0	-35.3	13.7
1690	ok	0.09	0.1	2.93e-02	5.7	5.7	7.1	7.1	-82.4	-3.4	-64.6	139.8	9.7	-179.2
1691	ok	0.09	0.1	2.68e-02	5.7	5.7	7.1	7.1	-69.5	-2.1	-62.5	265.2	9.0	-48.4
1692	ok	0.09	0.2	2.44e-02	5.7	5.7	7.1	7.1	-60.4	0.1	-60.2	297.3	2.6	-45.7
1693	ok	0.09	0.2	2.24e-02	5.7	5.7	7.1	7.1	-46.2	10.3	-57.3	444.9	116.0	-38.5
1694	ok	0.09	0.3	2.07e-02	5.7	5.7	7.1	7.1	-39.2	15.9	-54.0	474.9	131.3	-30.6
1695	ok	0.09	0.2	3.18e-02	5.7	5.7	7.1	7.1	-101.3	-2.5	49.0	-191.2	-40.5	127.9
1696	ok	0.09	0.1	2.75e-02	5.7	5.7	7.1	7.1	-82.0	-2.4	-55.8	165.0	9.2	-148.7
1697	ok	0.09	0.1	2.60e-02	5.7	5.7	7.1	7.1	-71.9	-2.5	-57.8	242.2	8.4	-169.7
1698	ok	0.09	0.2	2.40e-02	5.7	5.7	7.1	7.1	-62.2	0.3	-56.7	323.1	0.8	-169.1
1699	ok	0.09	0.2	2.22e-02	5.7	5.7	7.1	7.1	-47.6	11.4	-54.5	474.5	109.6	-164.3
1700	ok	0.09	0.2	2.04e-02	5.7	5.7	7.1	7.1	-39.5	17.3	-51.7	519.5	126.0	-30.9
1701	ok	0.09	0.2	3.15e-02	5.7	5.7	7.1	7.1	-103.3	-4.6	59.2	-191.3	-41.9	10.1
1702	ok	0.09	0.1	2.90e-02	5.7	5.7	7.1	7.1	-82.3	-3.4	65.2	109.6	8.5	184.5
1703	ok	0.09	0.1	2.69e-02	5.7	5.7	7.1	7.1	-69.6	-2.2	63.2	222.9	8.4	48.3
1704	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-60.2	-1.93e-02	61.0	297.8	1.1	45.3
1705	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-45.8	10.3	58.2	444.8	116.9	37.8
1706	ok	0.09	0.3	2.08e-02	5.7	5.7	7.1	7.1	-38.9	15.8	54.9	474.5	132.2	29.8
1707	ok	0.09	0.2	3.28e-02	5.7	5.7	7.1	7.1	-98.2	-6.2	67.8	-196.0	-41.8	-152.3
1708	ok	0.09	0.1	3.01e-02	5.7	5.7	7.1	7.1	-77.1	-4.2	71.2	129.5	10.5	43.2
1709	ok	0.09	0.1	2.73e-02	5.7	5.7	7.1	7.1	-67.2	-2.7	67.5	225.3	12.7	46.0
1710	ok	0.09	0.2	2.52e-02	5.7	5.7	7.1	7.1	-58.5	-0.6	64.3	302.9	6.0	43.7
1711	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-50.8	9.7	60.8	359.0	120.1	36.7
1712	ok	0.09	0.3	2.11e-02	5.7	5.7	7.1	7.1	-38.0	15.0	57.1	481.5	136.3	29.1
1713	ok	0.09	0.2	3.36e-02	5.7	5.7	7.1	7.1	-88.7	-9.4	77.4	-203.3	-38.8	25.9
1714	ok	0.09	8.45e-02	3.03e-02	5.7	5.7	7.1	7.1	-71.4	-6.1	75.6	128.1	15.3	39.3
1715	ok	0.09	0.1	2.76e-02	5.7	5.7	7.1	7.1	-63.5	-3.9	71.0	228.6	18.6	43.3

1716	ok	0.09	0.2	2.55e-02	5.7	5.7	7.1	7.1	-56.1	-3.3	67.1	308.1	3.4	41.8
1717	ok	0.09	0.2	2.29e-02	5.7	5.7	7.1	7.1	-49.1	8.6	63.1	365.1	123.6	35.4
1718	ok	0.09	0.2	2.03e-02	5.7	5.7	7.1	7.1	-35.8	25.0	39.4	1270.8	391.8	-4.6
1719	ok	0.09	0.2	3.27e-02	5.7	5.7	7.1	7.1	-77.1	-13.3	84.3	-210.5	-33.5	19.1
1720	ok	0.09	8.47e-02	2.98e-02	5.7	5.7	7.1	7.1	-64.8	-8.5	77.9	126.9	22.7	35.9
1721	ok	0.09	0.1	2.76e-02	5.7	5.7	7.1	7.1	-59.2	-5.5	73.1	231.5	26.1	40.6
1722	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-53.3	-4.7	69.1	312.9	6.5	39.7
1723	ok	0.09	0.2	2.31e-02	5.7	5.7	7.1	7.1	-56.5	16.5	44.6	1054.5	390.0	-1.2
1724	ok	0.09	0.2	2.11e-02	5.7	5.7	7.1	7.1	-48.2	25.5	42.3	1217.6	434.7	24.5
1725	ok	0.09	0.2	3.13e-02	5.7	5.7	7.1	7.1	-68.1	-17.3	84.5	-202.3	-15.7	-36.0
1726	ok	0.09	8.30e-02	2.91e-02	5.7	5.7	7.1	7.1	-58.6	-10.6	78.1	124.4	31.7	33.4
1727	ok	0.09	0.1	2.73e-02	5.7	5.7	7.1	7.1	-55.3	-6.9	74.0	233.2	34.7	38.1
1728	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-50.7	-5.8	70.4	316.9	13.4	37.6
1729	ok	0.09	0.2	2.32e-02	5.7	5.7	7.1	7.1	-55.3	15.8	47.5	1055.4	389.5	24.7
1730	ok	0.09	0.2	2.13e-02	5.7	5.7	7.1	7.1	-47.8	23.5	43.4	1222.5	455.4	-13.6
1731	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-58.6	-19.3	80.3	-239.0	-10.9	-41.5
1732	ok	0.09	4.98e-02	2.82e-02	5.7	5.7	7.1	7.1	-54.3	-11.8	76.6	122.1	41.1	31.5
1733	ok	0.09	0.1	2.73e-02	5.7	5.7	7.1	7.1	-52.3	-12.6	73.9	234.1	10.3	35.7
1734	ok	0.09	0.2	2.55e-02	5.7	5.7	7.1	7.1	-48.5	-6.4	71.0	319.8	24.2	35.4
1735	ok	0.09	0.2	2.32e-02	5.7	5.7	7.1	7.1	-54.8	13.9	48.3	1057.6	411.6	-18.9
1736	ok	0.09	0.2	2.15e-02	5.7	5.7	7.1	7.1	-47.4	22.2	45.3	1222.6	467.0	-19.1
1737	ok	0.09	0.2	2.74e-02	5.7	5.7	7.1	7.1	-65.5	-27.8	-59.3	354.3	29.2	57.2
1738	ok	0.09	5.08e-02	2.72e-02	5.7	5.7	7.1	7.1	-52.4	-11.7	74.4	120.4	49.6	29.6
1739	ok	0.09	0.1	2.68e-02	5.7	5.7	7.1	7.1	-50.6	-12.1	73.3	234.4	15.1	33.2
1740	ok	0.09	0.2	2.53e-02	5.7	5.7	7.1	7.1	-60.6	-11.6	51.1	835.4	100.8	-34.1
1741	ok	0.09	0.2	2.33e-02	5.7	5.7	7.1	7.1	-54.6	13.0	49.8	1054.7	423.1	-28.5
1742	ok	0.09	0.2	2.16e-02	5.7	5.7	7.1	7.1	-47.3	20.9	47.0	1219.3	479.1	-24.9
1743	ok	0.09	0.2	2.81e-02	5.7	5.7	7.1	7.1	-86.0	-25.9	-49.2	-149.4	-45.9	40.1
1744	ok	0.09	0.1	2.72e-02	5.7	5.7	7.1	7.1	-71.4	-16.5	50.9	165.6	65.5	-55.6
1745	ok	0.09	0.2	2.64e-02	5.7	5.7	7.1	7.1	-67.0	-13.2	52.3	535.5	107.7	-52.0
1746	ok	0.09	0.2	2.52e-02	5.7	5.7	7.1	7.1	-61.3	-11.1	52.2	830.4	120.3	-47.3
1747	ok	0.09	0.2	2.33e-02	5.7	5.7	7.1	7.1	-55.0	12.3	51.4	1048.6	434.7	-38.9
1748	ok	0.09	0.2	2.18e-02	5.7	5.7	7.1	7.1	-47.5	19.7	48.8	1212.4	491.6	-31.0
1749	ok	0.09	0.2	2.98e-02	5.7	5.7	7.1	7.1	-99.4	-20.6	-48.8	-137.7	-47.6	34.1
1750	ok	0.09	0.1	2.70e-02	5.7	5.7	7.1	7.1	-76.1	-13.8	51.4	165.0	65.8	-72.4
1751	ok	0.09	0.2	2.63e-02	5.7	5.7	7.1	7.1	-69.6	-11.6	53.6	530.3	119.7	-68.4
1752	ok	0.09	0.2	2.53e-02	5.7	5.7	7.1	7.1	-62.7	-10.3	53.9	822.5	139.5	-61.8
1753	ok	0.09	0.2	2.34e-02	5.7	5.7	7.1	7.1	-55.7	11.7	53.3	1038.8	446.2	-50.2
1754	ok	0.09	0.2	2.19e-02	5.7	5.7	7.1	7.1	-47.9	18.6	50.8	1201.2	504.2	-37.6
1755	ok	0.09	0.2	3.12e-02	5.7	5.7	7.1	7.1	-99.7	-3.8	-56.3	373.3	20.8	31.6
1756	ok	0.09	0.1	2.81e-02	5.7	5.7	7.1	7.1	-81.5	-10.9	54.2	164.1	66.5	-91.8
1757	ok	0.09	0.2	2.69e-02	5.7	5.7	7.1	7.1	-72.5	-9.8	56.1	523.3	132.5	-86.7
1758	ok	0.09	0.2	2.54e-02	5.7	5.7	7.1	7.1	-64.3	-9.4	56.2	811.5	159.5	-77.8
1759	ok	0.09	0.2	2.36e-02	5.7	5.7	7.1	7.1	-56.4	11.8	56.9	1022.2	442.1	-25.4
1760	ok	0.09	0.2	2.21e-02	5.7	5.7	7.1	7.1	-48.4	17.4	52.9	1185.5	516.4	-44.9
1761	ok	0.09	0.2	3.21e-02	5.7	5.7	7.1	7.1	-106.6	-9.9	57.8	-867.7	49.9	-149.6
1762	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-86.2	-8.6	59.3	162.4	72.2	-113.9
1763	ok	0.09	0.2	2.81e-02	5.7	5.7	7.1	7.1	-75.0	-8.5	60.0	513.8	148.3	-106.9
1764	ok	0.09	0.2	2.63e-02	5.7	5.7	7.1	7.1	-65.6	-8.8	59.3	797.0	181.0	-95.5
1765	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-57.3	-9.2	58.0	1006.8	175.9	-76.6
1766	ok	0.09	0.2	2.23e-02	5.7	5.7	7.1	7.1	-48.9	16.0	55.1	1164.8	528.0	-53.1
1767	ok	0.09	0.2	3.52e-02	5.7	5.7	7.1	7.1	-112.5	-7.9	69.0	-862.4	28.1	-172.6
1768	ok	0.09	0.1	3.18e-02	5.7	5.7	7.1	7.1	-88.7	-7.6	66.1	159.4	84.4	-138.2
1769	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-76.3	-8.0	64.7	501.5	167.2	-129.2
1770	ok	0.09	0.2	2.72e-02	5.7	5.7	7.1	7.1	-66.3	-8.6	62.7	778.6	203.9	-115.0
1771	ok	0.09	0.2	2.53e-02	5.7	5.7	7.1	7.1	-57.8	-9.5	60.8	984.0	200.0	-91.9
1772	ok	0.09	0.2	2.25e-02	5.7	5.7	7.1	7.1	-49.2	14.4	57.5	1138.7	538.2	-62.5
1773	ok	0.09	0.2	3.78e-02	5.7	5.7	7.1	7.1	-111.8	-9.9	79.3	-847.5	-11.1	-196.8
1774	ok	0.09	0.1	3.34e-02	5.7	5.7	7.1	7.1	-53.1	-7.2	75.4	673.6	81.3	-116.0
1775	ok	0.09	0.2	3.04e-02	5.7	5.7	7.1	7.1	-75.8	-9.0	69.6	486.0	185.9	-153.4
1776	ok	0.09	0.2	2.75e-02	5.7	5.7	7.1	7.1	-39.8	-9.3	71.0	886.7	144.0	-100.5
1777	ok	0.09	0.2	2.59e-02	5.7	5.7	7.1	7.1	-57.7	-10.2	63.5	956.2	222.9	-108.9
1778	ok	0.09	0.2	2.27e-02	5.7	5.7	7.1	7.1	-49.4	12.6	59.9	1106.8	546.5	-73.1
1779	ok	0.09	0.2	3.93e-02	5.7	5.7	7.1	7.1	-105.1	-15.0	93.7	-871.5	-49.8	-220.6
1780	ok	0.09	0.1	3.19e-02	5.7	5.7	7.1	7.1	-48.7	-10.2	82.2	673.2	94.0	-143.1
1781	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-41.5	-9.8	76.5	941.3	182.2	-131.0
1782	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-37.5	-11.1	71.8	887.2	192.4	-172.2
1783	ok	0.09	0.2	2.64e-02	5.7	5.7	7.1	7.1	-57.2	-11.3	52.1	923.1	242.6	-127.6
1784	ok	0.09	0.2	2.30e-02	5.7	5.7	7.1	7.1	-49.2	11.3	63.8	1067.0	540.1	-48.1
1785	ok	0.09	0.1	3.55e-02	5.7	5.7	7.1	7.1	-49.3	-18.7	100.9	-252.6	-49.8	-185.2
1786	ok	0.09	0.1	3.19e-02	5.7	5.7	7.1	7.1	-95.5	-7.6	60.8	135.2	4.0	38.5
1787	ok	0.09	0.2	2.88e-02	5.7	5.7	7.1	7.1	-36.9	-13.3	79.7	934.2	196.2	-158.4
1788	ok	0.09	0.2	2.77e-02	5.7	5.7	7.1	7.1	-34.4	-12.3	77.1	875.1	190.6	-151.1
1789	ok	0.09	0.2	2.68e-02	5.7	5.7	7.1	7.1	-56.3	-12.5	55.9	883.9	239.5	-938.5
1790	ok	0.09	0.2	2.20e-02	5.7	5.7	7.1	7.1	-49.1	-13.7	52.6	1023.6	203.1	-853.6
1791	ok	0.09	0.1	3.39e-02	5.7	5.7	7.1	7.1	-91.7	-17.5	72.1	103.6	-4.5	21.7
1792	ok	0.09	0.1	3.13e-02	5.7	5.7	7.1	7.1	-85.8	-12.5	63.7	130.7	2.1	37.2

1793	ok	0.09	0.2	2.87e-02	5.7	5.7	7.1	7.1	-65.7	-20.6	62.2	422.1	205.8	-236.2
1794	ok	0.09	0.2	2.64e-02	5.7	5.7	7.1	7.1	-30.9	-15.6	59.4	874.7	218.7	-227.1
1795	ok	0.09	0.2	2.41e-02	5.7	5.7	7.1	7.1	-73.0	5.6	47.3	143.3	8.9	31.6
1796	ok	0.09	0.3	2.20e-02	5.7	5.7	7.1	7.1	-62.6	7.6	45.2	155.1	15.2	20.0
1797	ok	0.09	0.1	3.20e-02	5.7	5.7	7.1	7.1	4.0	-55.8	91.3	-81.4	-66.2	-114.3
1798	ok	0.09	0.2	3.02e-02	5.7	5.7	7.1	7.1	-93.8	11.7	48.4	-678.7	-37.4	814.9
1799	ok	0.09	0.2	2.84e-02	5.7	5.7	7.1	7.1	-61.8	-22.6	64.9	398.4	205.4	-1163.0
1800	ok	0.09	0.2	2.65e-02	5.7	5.7	7.1	7.1	-87.2	8.1	42.6	-778.3	-73.7	786.1
1801	ok	0.09	0.2	2.45e-02	5.7	5.7	7.1	7.1	-72.0	4.1	50.4	149.1	14.9	30.2
1802	ok	0.09	0.3	2.26e-02	5.7	5.7	7.1	7.1	-62.6	5.8	48.4	162.4	22.7	19.7
1803	ok	0.09	0.3	3.09e-02	5.7	5.7	7.1	7.1	23.1	-65.0	83.8	-81.1	-61.9	-124.7
1804	ok	0.09	0.2	2.90e-02	5.7	5.7	7.1	7.1	-58.5	-36.8	66.7	121.8	102.8	-1278.7
1805	ok	0.09	0.2	3.09e-02	5.7	5.7	7.1	7.1	-85.5	9.2	45.9	-760.0	-55.2	791.3
1806	ok	0.09	0.2	3.13e-02	5.7	5.7	7.1	7.1	-87.3	7.1	44.8	-789.0	-62.1	793.2
1807	ok	0.09	0.3	2.86e-02	5.7	5.7	7.1	7.1	-62.5	11.6	70.2	-96.9	-141.3	323.0
1808	ok	0.09	0.3	2.49e-02	5.7	5.7	7.1	7.1	-62.7	5.5	67.5	-154.4	-249.4	305.0
1809	ok	0.09	0.3	3.84e-02	5.7	5.7	7.1	7.1	-121.1	13.4	82.2	14.7	-16.4	1587.0
1810	ok	0.09	0.3	3.61e-02	5.7	5.7	7.1	7.1	-100.2	22.1	69.7	-157.9	-15.6	253.6
1811	ok	0.09	0.2	3.36e-02	5.7	5.7	7.1	7.1	-106.9	14.2	70.0	-192.0	-32.1	257.9
1812	ok	0.09	0.3	3.17e-02	5.7	5.7	7.1	7.1	-95.9	11.3	67.3	-180.9	-52.1	249.3
1813	ok	0.09	0.3	2.79e-02	5.7	5.7	7.1	7.1	-71.8	8.5	70.6	-84.3	-147.6	345.0
1814	ok	0.09	0.2	2.63e-02	5.7	5.7	7.1	7.1	-59.2	10.7	69.6	741.4	371.9	-159.2
1815	ok	0.09	0.3	3.93e-02	5.7	5.7	7.1	7.1	-108.3	29.0	66.6	-202.8	5.0	271.4
1816	ok	0.09	0.3	3.64e-02	5.7	5.7	7.1	7.1	-118.8	16.3	74.1	-224.5	-15.3	278.3
1817	ok	0.09	0.2	3.12e-02	5.7	5.7	7.1	7.1	-89.9	11.9	73.8	60.5	-36.2	402.9
1818	ok	0.09	0.3	2.93e-02	5.7	5.7	7.1	7.1	-83.2	7.4	55.8	251.1	17.1	-450.3
1819	ok	0.09	0.2	2.75e-02	5.7	5.7	7.1	7.1	-72.3	9.0	72.7	-67.5	-120.8	358.4
1820	ok	0.09	0.2	2.69e-02	5.7	5.7	7.1	7.1	-59.5	9.9	71.0	655.6	323.2	-172.7
1821	ok	0.09	0.3	4.04e-02	5.7	5.7	7.1	7.1	-86.9	25.8	73.0	146.9	15.5	375.1
1822	ok	0.09	0.3	3.39e-02	5.7	5.7	7.1	7.1	-96.5	13.7	78.9	105.7	1.7	423.9
1823	ok	0.09	0.3	3.15e-02	5.7	5.7	7.1	7.1	-93.2	6.8	56.2	172.8	18.8	-511.5
1824	ok	0.09	0.2	3.01e-02	5.7	5.7	7.1	7.1	-79.3	-6.5	74.5	410.8	126.4	-324.8
1825	ok	0.09	0.2	3.02e-02	5.7	5.7	7.1	7.1	-70.3	5.1	74.7	514.5	282.7	-261.3
1826	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-59.0	10.7	71.9	584.5	352.0	-152.2
1827	ok	0.09	0.3	3.77e-02	5.7	5.7	7.1	7.1	-84.0	-39.4	-51.7	-238.5	-22.7	-1707.6
1828	ok	0.09	0.3	3.53e-02	5.7	5.7	7.1	7.1	-107.6	6.0	56.3	100.0	17.5	-558.3
1829	ok	0.09	0.3	3.35e-02	5.7	5.7	7.1	7.1	-94.2	-7.0	77.8	215.0	-145.5	-368.9
1830	ok	0.09	0.2	3.46e-02	5.7	5.7	7.1	7.1	-81.7	-4.8	74.8	360.4	149.2	-299.1
1831	ok	0.09	0.2	3.18e-02	5.7	5.7	7.1	7.1	-84.0	4.5	77.1	309.6	289.1	-268.2
1832	ok	0.09	0.2	2.91e-02	5.7	5.7	7.1	7.1	-58.2	8.0	75.1	447.2	-72.9	-188.0
1833	ok	0.09	0.3	4.16e-02	5.7	5.7	7.1	7.1	-115.5	-40.4	-53.4	-183.2	45.1	-1599.8
1834	ok	0.09	0.3	3.89e-02	5.7	5.7	7.1	7.1	-119.5	13.3	57.2	84.3	48.8	-528.5
1835	ok	0.09	0.3	4.03e-02	5.7	5.7	7.1	7.1	-101.0	2.7	87.0	152.4	-108.5	-408.6
1836	ok	0.09	0.3	3.73e-02	5.7	5.7	7.1	7.1	-82.4	2.7	87.8	256.5	-145.9	-366.0
1837	ok	0.09	0.1	3.40e-02	5.7	5.7	7.1	7.1	-67.2	3.7	85.7	324.0	-170.4	-301.7
1838	ok	0.09	9.74e-02	3.06e-02	5.7	5.7	7.1	7.1	-49.4	4.3	78.9	428.0	-184.2	-221.1
1839	ok	0.09	0.4	5.18e-02	5.7	5.7	7.1	7.1	-194.8	-25.3	-62.2	94.1	43.5	-489.3
1840	ok	0.09	0.3	4.67e-02	5.7	5.7	7.1	7.1	-154.7	-14.7	-44.7	-21.8	77.4	-406.1
1841	ok	0.09	0.2	4.20e-02	5.7	5.7	7.1	7.1	-106.4	6.1	103.1	-261.9	-292.3	-58.7
1842	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-110.5	-3.9	105.1	-326.5	-393.6	-50.7
1843	ok	0.09	0.1	3.74e-02	5.7	5.7	7.1	7.1	-84.1	2.4	89.4	148.3	-158.3	-293.0
1844	ok	0.09	0.1	3.32e-02	5.7	5.7	7.1	7.1	-37.4	7.9	77.0	334.5	-146.3	-192.5
1845	ok	0.09	9.44e-02	5.65e-02	5.7	5.7	7.1	7.1	-190.6	14.0	68.5	-193.2	-165.2	88.3
1846	ok	0.09	8.73e-02	5.12e-02	5.7	5.7	7.1	7.1	-190.4	4.9	70.3	-277.1	-136.0	130.3
1847	ok	0.09	9.41e-02	4.60e-02	5.7	5.7	7.1	7.1	-85.6	6.5	104.4	76.2	-282.3	224.8
1848	ok	0.09	0.1	3.93e-02	5.7	5.7	7.1	7.1	-54.9	5.2	102.2	174.3	-321.3	258.8
1849	ok	0.09	0.1	3.32e-02	5.7	5.7	7.1	7.1	-36.4	4.3	93.9	278.1	-347.3	271.5
1850	ok	0.09	0.1	2.91e-02	5.7	5.7	7.1	7.1	-91.6	-7.2	-42.4	100.4	958.1	35.0
2089	ok	0.09	0.2	3.04e-02	5.7	5.7	7.1	7.1	-105.4	-9.9	41.3	38.0	1069.3	-92.8
2090	ok	0.09	0.2	2.75e-02	5.7	5.7	7.1	7.1	-82.6	-2.7	23.6	66.0	1077.8	197.4
2091	ok	0.09	0.1	2.95e-02	5.7	5.7	7.1	7.1	-74.3	-5.9	-42.5	221.0	315.1	58.6
2092	ok	0.09	0.2	2.69e-02	5.7	5.7	7.1	7.1	-44.8	12.8	-72.3	514.5	67.1	59.5
2093	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-49.7	14.3	-71.7	571.8	410.2	46.5
2094	ok	0.09	0.1	2.47e-02	5.7	5.7	7.1	7.1	-49.4	15.8	-70.6	682.7	422.5	35.3
2095	ok	0.09	0.2	2.38e-02	5.7	5.7	7.1	7.1	-49.4	17.5	-69.2	772.3	457.0	24.8
2096	ok	0.09	0.2	2.18e-02	5.7	5.7	7.1	7.1	-49.3	18.7	-63.8	844.2	447.4	61.1
2097	ok	0.09	0.3	2.09e-02	5.7	5.7	7.1	7.1	-52.0	9.4	-40.8	140.8	19.8	35.2
2098	ok	0.09	0.3	2.06e-02	5.7	5.7	7.1	7.1	-41.9	15.2	-51.1	1011.3	597.3	778.6
2099	ok	0.09	0.2	1.96e-02	5.7	5.7	7.1	7.1	-41.5	17.5	-49.4	1065.4	592.9	748.3
2100	ok	0.09	0.2	1.93e-02	5.7	5.7	7.1	7.1	-41.1	20.0	-47.5	1112.6	584.3	721.4
2101	ok	0.09	0.2	2.00e-02	5.7	5.7	7.1	7.1	-40.9	21.7	-41.1	1155.9	590.1	26.8
2102	ok	0.09	0.2	2.00e-02	5.7	5.7	7.1	7.1	-40.6	23.8	-51.0	1189.7	579.3	24.7
2103	ok	0.09	0.2	1.98e-02	5.7	5.7	7.1	7.1	-40.3	25.8	-48.8	1217.0	566.7	24.0
2104	ok	0.09	0.2	1.97e-02	5.7	5.7	7.1	7.1	-40.0	27.7	-46.6	1237.9	553.4	24.1
2105	ok	0.09	0.2	1.95e-02	5.7	5.7	7.1	7.1	-39.6	29.5	-44.6	1253.6	540.2	24.4
2106	ok	0.09	0.2	1.93e-02	5.7	5.7	7.1	7.1	-28.1	31.0	-48.3	1367.2	486.9	-7.2
2107	ok	0.09	0.2	1.92e-02	5.7	5.7	7.1	7.1	-28.6	31.7	-44.5	1370.2	489.1	22.3

2108	ok	0.09	0.2	1.90e-02	5.7	5.7	7.1	7.1	-29.2	33.2	-42.7	1366.0	478.1	19.3
2109	ok	0.09	0.2	1.88e-02	5.7	5.7	7.1	7.1	-26.0	35.8	-37.1	1472.4	493.7	23.8
2110	ok	0.09	0.2	1.86e-02	5.7	5.7	7.1	7.1	-33.5	28.5	43.0	445.5	130.6	140.4
2111	ok	0.09	0.2	1.84e-02	5.7	5.7	7.1	7.1	-30.4	21.9	-54.6	470.8	147.7	-24.1
2112	ok	0.09	0.2	1.82e-02	5.7	5.7	7.1	7.1	-37.3	26.4	49.3	385.5	120.1	150.7
2113	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	-32.8	26.8	48.3	475.8	138.1	24.9
2114	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-32.2	26.3	-49.3	493.2	139.1	-24.7
2115	ok	0.09	0.2	1.80e-02	5.7	5.7	7.1	7.1	-33.1	27.0	-47.4	476.8	136.4	-25.2
2116	ok	0.09	0.3	1.82e-02	5.7	5.7	7.1	7.1	-33.3	27.7	-45.5	469.1	133.7	-144.7
2117	ok	0.09	0.2	1.85e-02	5.7	5.7	7.1	7.1	-30.6	37.0	37.6	1338.1	450.5	-11.9
2118	ok	0.09	0.2	1.82e-02	5.7	5.7	7.1	7.1	-30.1	35.7	39.8	1346.5	458.3	-15.2
2119	ok	0.09	0.2	1.80e-02	5.7	5.7	7.1	7.1	-29.5	34.2	41.9	1353.4	467.5	-18.5
2120	ok	0.09	0.2	1.82e-02	5.7	5.7	7.1	7.1	-28.9	32.7	43.8	1359.1	478.0	-21.7
2121	ok	0.09	0.2	1.88e-02	5.7	5.7	7.1	7.1	-38.8	32.1	41.9	1264.7	515.5	-27.1
2122	ok	0.09	0.2	1.90e-02	5.7	5.7	7.1	7.1	-38.9	30.4	43.7	1257.3	527.9	-27.4
2123	ok	0.09	0.2	1.92e-02	5.7	5.7	7.1	7.1	-39.1	28.6	45.5	1246.0	540.8	-27.6
2124	ok	0.09	0.2	1.97e-02	5.7	5.7	7.1	7.1	-39.3	26.7	47.5	1229.8	553.8	-27.8
2125	ok	0.09	0.2	1.99e-02	5.7	5.7	7.1	7.1	-39.6	24.7	49.5	1208.6	566.4	-28.4
2126	ok	0.09	0.2	2.00e-02	5.7	5.7	7.1	7.1	-39.9	22.6	51.6	1181.2	577.6	-29.5
2127	ok	0.09	0.2	2.02e-02	5.7	5.7	7.1	7.1	-40.1	20.3	53.7	1147.8	586.7	-31.6
2128	ok	0.09	0.2	2.02e-02	5.7	5.7	7.1	7.1	-40.4	18.0	55.8	1107.5	592.3	-34.8
2129	ok	0.09	0.2	1.98e-02	5.7	5.7	7.1	7.1	-40.7	15.6	57.8	1060.2	593.1	-39.1
2130	ok	0.09	0.2	2.04e-02	5.7	5.7	7.1	7.1	-41.0	13.2	59.7	1005.2	587.7	-44.3
2131	ok	0.09	0.2	2.05e-02	5.7	5.7	7.1	7.1	-41.5	11.0	61.5	942.7	574.8	-50.5
2132	ok	0.09	0.2	2.14e-02	5.7	5.7	7.1	7.1	-42.1	9.4	67.0	878.3	577.0	-12.5
2133	ok	0.09	0.1	2.36e-02	5.7	5.7	7.1	7.1	-48.7	16.3	68.5	773.1	450.6	-20.0
2134	ok	0.09	0.1	2.45e-02	5.7	5.7	7.1	7.1	-49.0	14.8	69.8	685.0	414.4	-28.7
2135	ok	0.09	0.2	2.55e-02	5.7	5.7	7.1	7.1	-49.2	13.6	70.8	581.3	398.0	-38.4
2136	ok	0.09	0.2	2.66e-02	5.7	5.7	7.1	7.1	-46.0	8.4	68.8	482.5	-89.0	-89.9
2137	ok	0.09	0.1	2.67e-02	5.7	5.7	7.1	7.1	-67.5	3.4	64.6	134.3	-372.0	-147.3
2138	ok	0.09	0.2	2.73e-02	5.7	5.7	7.1	7.1	-76.6	-1.5	-38.3	-12.3	1025.8	-150.6
2139	ok	0.09	0.2	2.98e-02	5.7	5.7	7.1	7.1	-112.6	-8.7	-26.5	3.5	1069.2	55.0
2751	ok	0.09	0.2	3.24e-02	5.7	5.7	7.1	7.1	-123.6	-9.8	-26.1	-43.9	1090.8	105.9
2752	ok	0.09	0.2	3.17e-02	5.7	5.7	7.1	7.1	-111.7	-7.1	35.7	141.1	558.5	345.8
2753	ok	0.09	0.2	3.32e-02	5.7	5.7	7.1	7.1	-118.5	-11.3	40.6	137.2	577.4	421.7
2754	ok	0.09	0.2	3.60e-02	5.7	5.7	7.1	7.1	-127.6	-23.4	44.7	148.4	531.1	489.9
2755	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-154.8	-26.6	50.2	-83.0	147.1	600.8
2756	ok	0.09	0.4	5.36e-02	5.7	5.7	7.1	7.1	-110.1	245.1	24.8	-572.3	-1693.3	421.4
3057	ok	0.09	0.2	3.30e-02	5.7	5.7	7.1	7.1	-124.4	-10.3	25.2	-78.1	1141.4	-118.4
3058	ok	0.09	0.2	2.65e-02	5.7	5.7	7.1	7.1	-88.8	-4.3	21.4	-3.8	1106.3	134.1
3059	ok	0.09	0.2	3.27e-02	5.7	5.7	7.1	7.1	-111.8	-7.8	-37.4	151.5	605.4	-359.2
3060	ok	0.09	0.2	2.77e-02	5.7	5.7	7.1	7.1	-91.5	-10.4	-44.5	171.3	450.2	-78.5
3061	ok	0.09	0.2	3.35e-02	5.7	5.7	7.1	7.1	-118.8	-12.5	-42.1	150.3	629.2	-434.0
3062	ok	0.09	0.2	2.84e-02	5.7	5.7	7.1	7.1	-91.6	-14.7	-47.3	160.0	416.0	-138.1
3063	ok	0.09	0.2	3.62e-02	5.7	5.7	7.1	7.1	-127.9	-25.5	-46.1	170.8	585.9	-493.2
3064	ok	0.09	0.2	2.78e-02	5.7	5.7	7.1	7.1	-84.4	-22.8	-48.4	135.1	287.4	-186.2
3065	ok	0.09	0.2	4.09e-02	5.7	5.7	7.1	7.1	-152.1	-24.6	-51.0	-83.3	174.5	-631.7
3066	ok	0.09	0.2	2.67e-02	5.7	5.7	7.1	7.1	-54.1	-63.6	-53.1	66.7	647.5	-138.2
3067	ok	0.09	0.3	4.78e-02	5.7	5.7	7.1	7.1	-115.0	236.5	-29.3	-379.2	-1504.2	-367.8
3068	ok	0.09	0.3	3.22e-02	5.7	5.7	7.1	7.1	50.7	237.8	40.0	-316.6	-1285.8	-177.6
3069	ok	0.09	0.1	2.49e-02	5.7	5.7	7.1	7.1	-75.1	-8.5	-43.4	200.4	333.2	25.6
3070	ok	0.09	0.2	2.47e-02	5.7	5.7	7.1	7.1	-73.2	-11.4	-47.4	182.6	319.5	-54.3
3071	ok	0.09	0.1	2.35e-02	5.7	5.7	7.1	7.1	-66.9	-15.4	-46.7	160.9	263.3	-82.5
3072	ok	0.09	0.1	2.22e-02	5.7	5.7	7.1	7.1	-41.4	-35.1	-54.8	202.7	534.4	-78.3
3073	ok	0.09	0.2	2.11e-02	5.7	5.7	7.1	7.1	-21.3	-47.2	-37.8	-29.8	685.2	-415.2
3074	ok	0.09	0.2	2.63e-02	5.7	5.7	7.1	7.1	-1.1	154.1	26.4	-325.7	-885.7	319.2
3075	ok	0.09	0.1	2.33e-02	5.7	5.7	7.1	7.1	-46.2	10.4	-70.7	446.6	49.2	12.9
3076	ok	0.09	0.2	2.19e-02	5.7	5.7	7.1	7.1	-58.4	-10.5	-47.2	181.5	222.2	-36.1
3077	ok	0.09	0.2	1.94e-02	5.7	5.7	7.1	7.1	-39.5	-27.7	-40.3	147.5	375.4	-84.3
3078	ok	0.09	0.1	1.85e-02	5.7	5.7	7.1	7.1	-23.8	-27.6	-46.0	211.8	499.1	-2.2
3079	ok	0.09	0.2	1.87e-02	5.7	5.7	7.1	7.1	-14.4	-44.4	-29.1	-42.0	432.1	-363.1
3080	ok	0.09	0.1	2.24e-02	5.7	5.7	7.1	7.1	-3.2	137.2	20.1	-205.6	-360.3	316.2
3081	ok	0.09	0.2	2.28e-02	5.7	5.7	7.1	7.1	-38.9	14.8	-67.2	578.6	427.9	-917.0
3082	ok	0.09	0.2	2.00e-02	5.7	5.7	7.1	7.1	-37.4	13.4	-64.5	506.9	402.3	-787.1
3083	ok	0.09	0.2	1.81e-02	5.7	5.7	7.1	7.1	-28.4	15.0	-57.3	375.3	395.7	-623.2
3084	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-17.3	-27.3	-41.3	155.4	359.1	62.0
3085	ok	0.09	0.1	1.63e-02	5.7	5.7	7.1	7.1	-11.4	62.4	17.4	-172.4	-161.1	-78.2
3086	ok	0.09	0.2	1.46e-02	5.7	5.7	7.1	7.1	-3.8	119.0	22.6	-99.5	359.1	-30.7
3087	ok	0.09	0.2	2.17e-02	5.7	5.7	7.1	7.1	-40.1	17.7	-66.1	660.4	438.2	-856.5
3088	ok	0.09	0.2	1.88e-02	5.7	5.7	7.1	7.1	-38.0	18.2	-62.5	586.6	430.9	-754.0
3089	ok	0.09	0.2	1.72e-02	5.7	5.7	7.1	7.1	-28.7	22.2	-55.2	518.7	439.2	-609.0
3090	ok	0.09	0.2	1.54e-02	5.7	5.7	7.1	7.1	-13.0	-27.8	-37.0	118.4	257.0	94.9
3091	ok	0.09	0.2	1.50e-02	5.7	5.7	7.1	7.1	-8.9	74.0	17.1	-135.0	124.6	-106.1
3092	ok	0.09	0.2	1.53e-02	5.7	5.7	7.1	7.1	-4.4	115.8	21.0	-95.6	342.8	-120.5
3093	ok	0.09	0.2	2.09e-02	5.7	5.7	7.1	7.1	-40.1	20.8	-64.6	745.4	469.0	-806.7
3094	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	-37.6	23.1	-60.5	669.9	466.9	-727.6
3095	ok	0.09	0.2	1.64e-02	5.7	5.7	7.1	7.1	-28.7	28.6	-42.2	590.1	474.7	-619.5

3096	ok	0.09	0.2	1.51e-02	5.7	5.7	7.1	7.1	-16.1	38.9	-27.0	272.2	496.2	-479.7
3097	ok	0.09	0.2	1.36e-02	5.7	5.7	7.1	7.1	-7.9	78.2	19.8	-78.4	122.4	-78.6
3098	ok	0.09	0.2	1.30e-02	5.7	5.7	7.1	7.1	-3.3	105.5	21.6	-125.4	-271.5	10.3
3099	ok	0.09	0.3	2.00e-02	5.7	5.7	7.1	7.1	-36.0	14.3	-62.8	835.0	608.9	-767.2
3100	ok	0.09	0.2	1.81e-02	5.7	5.7	7.1	7.1	-33.6	16.5	-58.5	751.9	616.0	-708.1
3101	ok	0.09	0.2	1.65e-02	5.7	5.7	7.1	7.1	-26.6	21.4	-51.2	603.2	624.9	-598.7
3102	ok	0.09	0.2	1.44e-02	5.7	5.7	7.1	7.1	-16.1	44.8	-25.2	292.5	509.6	-457.1
3103	ok	0.09	0.2	1.20e-02	5.7	5.7	7.1	7.1	-14.6	77.3	17.8	-157.4	75.8	-99.9
3104	ok	0.09	0.2	1.27e-02	5.7	5.7	7.1	7.1	-2.4	99.6	11.1	-98.1	-270.8	52.3
3105	ok	0.09	0.3	1.88e-02	5.7	5.7	7.1	7.1	-35.4	17.1	-60.9	903.4	614.4	-735.7
3106	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-33.0	20.4	-56.6	820.8	622.8	-691.1
3107	ok	0.09	0.2	1.60e-02	5.7	5.7	7.1	7.1	-26.1	26.3	-49.5	667.6	634.7	-594.1
3108	ok	0.09	0.2	1.38e-02	5.7	5.7	7.1	7.1	-16.0	50.9	-23.5	361.5	528.8	-435.4
3109	ok	0.09	0.2	1.08e-02	5.7	5.7	7.1	7.1	-14.1	80.6	20.2	-123.4	68.3	-62.9
3110	ok	0.09	0.2	8.47e-03	5.7	5.7	7.1	7.1	0.6	102.7	12.1	-70.7	-277.5	-305.6
3111	ok	0.09	0.3	1.85e-02	5.7	5.7	7.1	7.1	-39.1	19.2	-46.7	938.4	605.6	-769.3
3112	ok	0.09	0.2	1.71e-02	5.7	5.7	7.1	7.1	-32.3	24.1	-54.7	883.0	620.5	-675.4
3113	ok	0.09	0.2	1.54e-02	5.7	5.7	7.1	7.1	-25.4	31.0	-47.7	724.2	634.1	-581.1
3114	ok	0.09	0.2	1.34e-02	5.7	5.7	7.1	7.1	-16.3	56.4	-21.9	355.2	544.5	-399.9
3115	ok	0.09	0.2	9.99e-03	5.7	5.7	7.1	7.1	-7.7	80.6	2.3	18.8	1046.7	-170.2
3116	ok	0.09	0.2	7.88e-03	5.7	5.7	7.1	7.1	-0.5	105.6	10.5	-90.0	-387.8	23.2
3117	ok	0.09	0.3	1.81e-02	5.7	5.7	7.1	7.1	-38.6	21.6	-43.1	993.4	608.3	-757.2
3118	ok	0.09	0.2	1.66e-02	5.7	5.7	7.1	7.1	-31.7	27.1	-50.6	939.2	622.0	-655.2
3119	ok	0.09	0.2	1.47e-02	5.7	5.7	7.1	7.1	-24.9	34.3	-43.9	779.4	632.8	-554.1
3120	ok	0.09	0.2	1.26e-02	5.7	5.7	7.1	7.1	-14.6	68.6	19.9	168.7	146.2	19.7
3121	ok	0.09	0.2	1.01e-02	5.7	5.7	7.1	7.1	-8.0	84.9	6.4	55.1	1100.8	-123.3
3122	ok	0.09	0.2	6.46e-03	5.7	5.7	7.1	7.1	0.8	112.2	8.9	-87.9	-451.3	-6.9
3123	ok	0.09	0.3	1.85e-02	5.7	5.7	7.1	7.1	-33.6	25.3	-51.8	1068.3	610.2	-668.9
3124	ok	0.09	0.2	1.61e-02	5.7	5.7	7.1	7.1	-31.2	30.5	-48.7	987.4	614.6	-641.0
3125	ok	0.09	0.2	1.42e-02	5.7	5.7	7.1	7.1	-24.2	38.5	-42.1	824.7	623.8	-544.8
3126	ok	0.09	0.2	1.16e-02	5.7	5.7	7.1	7.1	-22.9	66.5	14.9	103.1	169.8	73.4
3127	ok	0.09	0.2	1.33e-02	5.7	5.7	7.1	7.1	-8.2	88.7	10.4	58.7	1093.1	5.9
3128	ok	0.09	0.3	1.29e-02	5.7	5.7	7.1	7.1	8.3	123.9	-27.8	-96.7	1456.7	-200.0
3129	ok	0.09	0.3	1.82e-02	5.7	5.7	7.1	7.1	-33.3	28.0	-49.5	1108.0	600.4	-651.3
3130	ok	0.09	0.2	1.57e-02	5.7	5.7	7.1	7.1	-30.7	33.9	-46.7	1026.7	601.6	-628.1
3131	ok	0.09	0.2	1.36e-02	5.7	5.7	7.1	7.1	-23.9	42.3	-40.1	864.0	610.9	-528.8
3132	ok	0.09	0.2	1.15e-02	5.7	5.7	7.1	7.1	-19.2	72.4	20.1	103.2	251.4	66.4
3133	ok	0.09	0.2	1.19e-02	5.7	5.7	7.1	7.1	-12.1	94.6	21.6	62.5	298.0	139.0
3134	ok	0.09	0.2	1.88e-02	5.7	5.7	7.1	7.1	9.0	118.8	-20.4	-13.5	1403.5	-224.7
3135	ok	0.09	0.3	1.79e-02	5.7	5.7	7.1	7.1	-33.1	30.7	-47.2	1141.1	587.9	-635.7
3136	ok	0.09	0.2	1.60e-02	5.7	5.7	7.1	7.1	-30.5	37.1	-44.8	1059.2	587.1	-614.7
3137	ok	0.09	0.2	1.34e-02	5.7	5.7	7.1	7.1	-23.5	47.1	-41.0	913.9	594.1	-522.8
3138	ok	0.09	0.2	1.09e-02	5.7	5.7	7.1	7.1	-17.1	75.1	23.3	165.2	246.5	94.2
3139	ok	0.09	0.2	1.11e-02	5.7	5.7	7.1	7.1	-11.9	91.8	11.5	219.6	69.0	4.9
3140	ok	0.09	0.1	2.09e-02	5.7	5.7	7.1	7.1	2.8	173.7	37.5	-58.0	495.3	108.5
3141	ok	0.09	0.2	1.77e-02	5.7	5.7	7.1	7.1	-32.7	34.2	-47.8	1162.9	557.0	-34.7
3142	ok	0.09	0.2	1.58e-02	5.7	5.7	7.1	7.1	-30.3	40.3	-43.0	1083.4	574.1	-604.9
3143	ok	0.09	0.2	1.36e-02	5.7	5.7	7.1	7.1	-23.5	51.0	-39.6	937.8	601.2	-520.1
3144	ok	0.09	0.2	1.15e-02	5.7	5.7	7.1	7.1	-13.0	86.7	9.1	351.6	1129.4	-69.2
3145	ok	0.09	0.2	9.71e-03	5.7	5.7	7.1	7.1	-13.2	95.2	24.7	-111.1	432.2	0.5
3146	ok	0.09	7.67e-02	1.27e-02	5.7	5.7	7.1	7.1	-3.2	152.8	23.6	-130.7	185.8	75.8
3147	ok	0.09	0.2	1.75e-02	5.7	5.7	7.1	7.1	-32.5	36.7	-45.8	1182.9	546.2	-27.4
3148	ok	0.09	0.2	1.56e-02	5.7	5.7	7.1	7.1	-26.0	44.1	-38.2	1038.1	564.8	-528.0
3149	ok	0.09	0.2	1.35e-02	5.7	5.7	7.1	7.1	-23.5	54.3	-38.4	951.5	614.4	-518.6
3150	ok	0.09	0.2	1.15e-02	5.7	5.7	7.1	7.1	-13.5	89.5	9.7	348.1	1144.7	-76.8
3151	ok	0.09	0.2	9.41e-03	5.7	5.7	7.1	7.1	-9.6	108.6	12.9	289.9	1396.3	-83.2
3152	ok	0.09	0.3	1.30e-02	5.7	5.7	7.1	7.1	-8.5	130.9	16.9	-170.3	633.4	-14.8
3153	ok	0.09	0.2	1.73e-02	5.7	5.7	7.1	7.1	-32.6	37.9	-41.3	1198.5	549.0	10.1
3154	ok	0.09	0.2	1.54e-02	5.7	5.7	7.1	7.1	-25.8	46.9	-36.7	1053.2	560.4	-522.1
3155	ok	0.09	0.2	1.33e-02	5.7	5.7	7.1	7.1	-23.5	57.4	-37.1	967.9	630.6	-515.4
3156	ok	0.09	0.2	1.12e-02	5.7	5.7	7.1	7.1	-14.7	91.7	9.7	392.6	1161.5	-90.7
3157	ok	0.09	0.2	8.87e-03	5.7	5.7	7.1	7.1	-12.5	108.4	12.2	295.0	1353.2	-98.0
3158	ok	0.09	0.3	7.89e-03	5.7	5.7	7.1	7.1	-5.3	133.4	15.6	-124.2	594.4	-77.6
3159	ok	0.09	0.2	1.71e-02	5.7	5.7	7.1	7.1	-32.4	40.0	-39.5	1209.4	538.6	16.1
3160	ok	0.09	0.2	1.51e-02	5.7	5.7	7.1	7.1	-30.0	48.6	-38.2	1129.8	556.6	14.4
3161	ok	0.09	0.2	1.30e-02	5.7	5.7	7.1	7.1	-23.3	60.3	-35.7	978.5	649.2	-507.0
3162	ok	0.09	0.2	1.06e-02	5.7	5.7	7.1	7.1	-15.8	92.5	9.4	388.2	1159.2	-97.8
3163	ok	0.09	0.2	7.97e-03	5.7	5.7	7.1	7.1	-13.6	109.6	11.6	312.3	1387.5	-112.3
3164	ok	0.09	0.2	4.74e-03	5.7	5.7	7.1	7.1	-6.4	122.6	9.9	3.2	141.6	-115.4
3165	ok	0.09	0.2	1.69e-02	5.7	5.7	7.1	7.1	-24.0	41.1	-41.0	1387.0	523.2	19.6
3166	ok	0.09	0.2	1.48e-02	5.7	5.7	7.1	7.1	-19.9	51.0	-36.7	1286.5	556.9	21.6
3167	ok	0.09	0.2	1.26e-02	5.7	5.7	7.1	7.1	-18.7	64.7	-30.0	818.3	710.7	-430.0
3168	ok	0.09	0.2	1.01e-02	5.7	5.7	7.1	7.1	-13.9	93.0	13.1	686.7	1118.3	-80.9
3169	ok	0.09	0.2	7.22e-03	5.7	5.7	7.1	7.1	-10.1	110.8	14.0	388.2	1382.7	-76.5
3170	ok	0.09	4.52e-02	5.74e-03	5.7	5.7	7.1	7.1	-6.3	131.8	11.4	-19.6	129.1	-75.0
3171	ok	0.09	0.2	1.67e-02	5.7	5.7	7.1	7.1	-24.5	43.0	-39.2	1381.2	515.5	21.4
3172	ok	0.09	0.2	1.46e-02	5.7	5.7	7.1	7.1	-20.5	53.2	-35.1	1280.7	559.8	26.6

3173	ok	0.09	0.2	1.22e-02	5.7	5.7	7.1	7.1	-18.7	66.7	-29.2	843.7	734.1	-418.3
3174	ok	0.09	0.2	9.59e-03	5.7	5.7	7.1	7.1	-14.1	92.8	13.8	705.6	1109.2	-81.3
3175	ok	0.09	0.2	6.97e-03	5.7	5.7	7.1	7.1	-10.4	110.4	12.4	374.1	1411.5	-114.3
3176	ok	0.09	4.51e-02	5.73e-03	5.7	5.7	7.1	7.1	-5.7	131.9	11.8	-6.7	147.3	-107.1
3177	ok	0.09	0.2	1.64e-02	5.7	5.7	7.1	7.1	-21.7	45.6	-34.2	1375.6	516.6	27.5
3178	ok	0.09	0.2	1.43e-02	5.7	5.7	7.1	7.1	-21.1	55.3	-33.5	1271.4	565.7	31.4
3179	ok	0.09	0.2	1.19e-02	5.7	5.7	7.1	7.1	-18.3	78.2	16.2	962.8	876.4	-60.8
3180	ok	0.09	0.2	9.37e-03	5.7	5.7	7.1	7.1	-14.4	93.5	14.6	709.4	1120.7	-85.9
3181	ok	0.09	0.2	6.60e-03	5.7	5.7	7.1	7.1	-10.4	108.7	13.0	397.3	1376.4	-107.4
3182	ok	0.09	4.55e-02	5.51e-03	5.7	5.7	7.1	7.1	-6.2	133.5	12.4	-18.8	120.7	-60.4
3183	ok	0.09	0.2	1.62e-02	5.7	5.7	7.1	7.1	-22.2	47.2	-32.4	1366.0	513.2	30.0
3184	ok	0.09	0.2	1.40e-02	5.7	5.7	7.1	7.1	-21.6	58.4	-33.7	1257.4	587.2	5.0
3185	ok	0.09	0.2	1.16e-02	5.7	5.7	7.1	7.1	-18.5	78.3	17.4	975.1	873.4	-63.8
3186	ok	0.09	0.2	9.09e-03	5.7	5.7	7.1	7.1	-14.5	93.0	15.5	727.6	1109.0	-83.0
3187	ok	0.09	0.2	6.62e-03	5.7	5.7	7.1	7.1	-10.5	110.8	13.6	388.9	1422.4	-110.3
3188	ok	0.09	6.48e-02	5.63e-03	5.7	5.7	7.1	7.1	-4.8	133.2	12.7	6.4	139.1	-93.4
3189	ok	0.09	0.2	1.59e-02	5.7	5.7	7.1	7.1	-22.7	49.6	-32.8	1350.6	514.1	-1.9
3190	ok	0.09	0.2	1.37e-02	5.7	5.7	7.1	7.1	-22.0	60.0	-32.0	1245.5	601.0	7.0
3191	ok	0.09	0.2	1.13e-02	5.7	5.7	7.1	7.1	-18.6	78.0	18.7	991.5	863.2	-63.8
3192	ok	0.09	0.2	8.90e-03	5.7	5.7	7.1	7.1	-14.6	93.2	16.5	730.8	1112.2	-85.4
3193	ok	0.09	0.2	6.25e-03	5.7	5.7	7.1	7.1	-10.5	108.6	14.2	410.2	1382.9	-101.1
3194	ok	0.09	6.97e-02	5.01e-03	5.7	5.7	7.1	7.1	-6.2	132.5	12.6	-10.5	118.6	-48.3
3195	ok	0.09	0.2	1.57e-02	5.7	5.7	7.1	7.1	-23.1	50.8	-30.9	1338.9	517.8	-1.1
3196	ok	0.09	0.2	1.35e-02	5.7	5.7	7.1	7.1	-22.4	61.5	-30.2	1233.5	615.6	9.0
3197	ok	0.09	0.2	1.11e-02	5.7	5.7	7.1	7.1	-18.7	77.6	20.0	1003.3	853.9	-64.8
3198	ok	0.09	0.2	8.63e-03	5.7	5.7	7.1	7.1	-14.7	92.2	17.5	748.6	1093.7	-80.2
3199	ok	0.09	0.2	6.19e-03	5.7	5.7	7.1	7.1	-10.5	109.0	16.8	396.3	1385.1	-65.2
3200	ok	0.09	6.08e-02	5.15e-03	5.7	5.7	7.1	7.1	-4.7	132.1	13.0	12.5	137.5	-80.7
3201	ok	0.09	0.2	1.54e-02	5.7	5.7	7.1	7.1	-26.3	31.6	-46.3	412.1	156.7	-10.2
3202	ok	0.09	0.2	1.32e-02	5.7	5.7	7.1	7.1	-22.9	63.7	23.9	1200.8	647.6	-43.4
3203	ok	0.09	0.2	1.09e-02	5.7	5.7	7.1	7.1	-18.8	76.9	21.4	1019.3	837.9	-62.8
3204	ok	0.09	0.2	8.44e-03	5.7	5.7	7.1	7.1	-14.8	91.7	18.5	751.6	1086.1	-81.1
3205	ok	0.09	0.2	5.89e-03	5.7	5.7	7.1	7.1	-10.7	107.1	15.5	422.7	192.0	-92.5
3206	ok	0.09	4.23e-02	4.45e-03	5.7	5.7	7.1	7.1	-6.2	129.3	12.8	1.4	119.2	-35.6
3207	ok	0.09	0.2	1.52e-02	5.7	5.7	7.1	7.1	-26.5	34.0	-44.7	451.9	159.5	-10.5
3208	ok	0.09	0.2	1.30e-02	5.7	5.7	7.1	7.1	-22.8	62.5	25.6	1202.6	631.8	-42.9
3209	ok	0.09	0.2	1.06e-02	5.7	5.7	7.1	7.1	-18.7	75.5	22.8	1030.6	819.4	-62.1
3210	ok	0.09	0.2	8.14e-03	5.7	5.7	7.1	7.1	-14.6	91.8	21.9	757.7	1084.1	-46.1
3211	ok	0.09	9.97e-02	5.77e-03	5.7	5.7	7.1	7.1	-10.6	106.3	16.0	413.9	200.7	-90.7
3212	ok	0.09	4.07e-02	4.62e-03	5.7	5.7	7.1	7.1	-4.8	128.9	-13.0	16.8	138.3	69.6
3213	ok	0.09	0.2	1.55e-02	5.7	5.7	7.1	7.1	-27.5	33.8	-40.3	435.5	158.9	23.3
3214	ok	0.09	0.2	1.33e-02	5.7	5.7	7.1	7.1	-22.6	61.5	27.4	1217.6	616.6	-42.3
3215	ok	0.09	0.2	1.09e-02	5.7	5.7	7.1	7.1	-18.6	74.2	24.2	1033.5	796.6	-58.2
3216	ok	0.09	0.2	8.48e-03	5.7	5.7	7.1	7.1	-14.7	92.2	-20.1	742.9	1087.5	44.7
3217	ok	0.09	0.2	5.91e-03	5.7	5.7	7.1	7.1	-10.3	106.3	18.5	428.2	203.9	-59.8
3218	ok	0.09	4.23e-02	4.50e-03	5.7	5.7	7.1	7.1	-6.3	129.4	-12.5	1.7	118.8	37.3
3219	ok	0.09	0.2	1.58e-02	5.7	5.7	7.1	7.1	-23.0	50.6	31.9	1333.7	517.4	0.4
3220	ok	0.09	0.2	1.35e-02	5.7	5.7	7.1	7.1	-22.3	60.1	29.2	1231.3	600.4	-40.4
3221	ok	0.09	0.2	1.12e-02	5.7	5.7	7.1	7.1	-18.3	72.6	25.6	1043.2	773.0	-55.9
3222	ok	0.09	0.2	8.66e-03	5.7	5.7	7.1	7.1	-14.6	93.3	-19.1	751.1	1102.4	49.4
3223	ok	0.09	0.2	6.20e-03	5.7	5.7	7.1	7.1	-10.5	108.6	-16.2	398.3	1378.0	65.7
3224	ok	0.09	4.19e-02	5.15e-03	5.7	5.7	7.1	7.1	-4.8	131.7	-12.6	12.7	137.4	82.4
3225	ok	0.09	0.2	1.60e-02	5.7	5.7	7.1	7.1	-22.6	49.3	33.8	1344.4	512.9	1.1
3226	ok	0.09	0.2	1.38e-02	5.7	5.7	7.1	7.1	-21.9	58.6	30.9	1243.0	585.2	-38.5
3227	ok	0.09	0.2	1.14e-02	5.7	5.7	7.1	7.1	-18.0	70.6	27.1	1057.0	745.0	-50.0
3228	ok	0.09	0.2	8.92e-03	5.7	5.7	7.1	7.1	-14.5	93.2	-18.1	736.0	1100.3	45.9
3229	ok	0.09	0.2	6.26e-03	5.7	5.7	7.1	7.1	-10.6	108.1	-13.7	410.9	1376.1	101.5
3230	ok	0.09	4.42e-02	5.05e-03	5.7	5.7	7.1	7.1	-6.2	132.0	-12.2	-9.9	118.1	50.6
3231	ok	0.09	0.2	1.63e-02	5.7	5.7	7.1	7.1	-25.5	45.9	36.5	1357.0	503.1	-24.2
3232	ok	0.09	0.2	1.40e-02	5.7	5.7	7.1	7.1	-21.5	56.7	32.6	1254.9	572.1	-35.2
3233	ok	0.09	0.2	1.17e-02	5.7	5.7	7.1	7.1	-17.6	68.5	28.5	1066.0	717.6	-45.8
3234	ok	0.09	0.2	9.10e-03	5.7	5.7	7.1	7.1	-14.4	93.7	-17.2	731.9	1108.3	48.2
3235	ok	0.09	0.2	6.63e-03	5.7	5.7	7.1	7.1	-10.5	110.1	-13.1	388.8	1414.5	110.3
3236	ok	0.09	4.32e-02	5.68e-03	5.7	5.7	7.1	7.1	-4.8	132.9	-12.3	6.2	139.2	94.6
3237	ok	0.09	0.2	1.65e-02	5.7	5.7	7.1	7.1	-24.9	44.2	38.4	1366.2	507.8	-23.7
3238	ok	0.09	0.2	1.43e-02	5.7	5.7	7.1	7.1	-20.9	54.7	34.3	1264.5	562.6	-32.0
3239	ok	0.09	0.2	1.19e-02	5.7	5.7	7.1	7.1	-17.1	67.8	32.0	1073.5	717.9	-11.9
3240	ok	0.09	0.2	9.39e-03	5.7	5.7	7.1	7.1	-14.4	92.9	-13.9	710.6	1111.6	85.8
3241	ok	0.09	0.2	6.61e-03	5.7	5.7	7.1	7.1	-10.4	107.9	-12.4	397.5	1368.2	107.2
3242	ok	0.09	4.53e-02	5.58e-03	5.7	5.7	7.1	7.1	-6.2	133.0	-12.0	-18.3	120.9	61.8
3243	ok	0.09	0.2	1.67e-02	5.7	5.7	7.1	7.1	-24.3	42.4	40.2	1373.7	514.5	-22.9
3244	ok	0.09	0.2	1.46e-02	5.7	5.7	7.1	7.1	-20.3	52.6	35.9	1273.7	556.8	-27.2
3245	ok	0.09	0.2	1.22e-02	5.7	5.7	7.1	7.1	-16.4	63.5	31.3	1086.3	664.4	-32.2
3246	ok	0.09	0.2	9.59e-03	5.7	5.7	7.1	7.1	-14.1	92.0	-13.1	707.3	1098.7	81.0
3247	ok	0.09	0.2	6.97e-03	5.7	5.7	7.1	7.1	-10.5	109.5	-11.8	374.3	1401.7	114.1
3248	ok	0.09	6.28e-02	5.75e-03	5.7	5.7	7.1	7.1	-5.7	130.9	-11.4	-6.4	148.4	107.9
3249	ok	0.09	0.2	1.70e-02	5.7	5.7	7.1	7.1	-31.9	41.3	38.6	1209.4	529.0	-22.1

3250	ok	0.09	0.2	1.49e-02	5.7	5.7	7.1	7.1	-29.6	50.2	37.4	1130.8	554.5	-22.3
3251	ok	0.09	0.2	1.26e-02	5.7	5.7	7.1	7.1	-18.5	63.3	31.1	829.0	702.9	432.2
3252	ok	0.09	0.2	1.00e-02	5.7	5.7	7.1	7.1	-16.9	74.2	29.4	744.7	847.6	427.0
3253	ok	0.09	0.2	7.16e-03	5.7	5.7	7.1	7.1	-10.0	109.6	-13.4	389.8	1366.5	75.5
3254	ok	0.09	0.3	5.80e-03	5.7	5.7	7.1	7.1	-9.4	115.7	-11.1	-44.8	1471.2	112.1
3255	ok	0.09	0.2	1.72e-02	5.7	5.7	7.1	7.1	-32.0	39.2	40.3	1202.6	538.8	-17.7
3256	ok	0.09	0.2	1.51e-02	5.7	5.7	7.1	7.1	-29.6	47.7	38.9	1123.3	555.3	-15.3
3257	ok	0.09	0.2	1.30e-02	5.7	5.7	7.1	7.1	-20.4	76.3	-10.0	686.7	908.3	63.1
3258	ok	0.09	0.2	1.06e-02	5.7	5.7	7.1	7.1	-17.1	71.5	30.0	725.2	809.8	438.4
3259	ok	0.09	0.2	7.83e-03	5.7	5.7	7.1	7.1	-13.4	108.3	-11.0	315.5	1371.6	111.3
3260	ok	0.09	0.3	4.70e-03	5.7	5.7	7.1	7.1	-6.4	120.9	-9.6	5.6	1595.0	115.1
3261	ok	0.09	0.2	1.74e-02	5.7	5.7	7.1	7.1	-32.1	36.9	42.0	1191.1	549.7	-12.2
3262	ok	0.09	0.2	1.54e-02	5.7	5.7	7.1	7.1	-29.5	46.4	42.6	1110.0	554.3	18.9
3263	ok	0.09	0.2	1.33e-02	5.7	5.7	7.1	7.1	-23.2	56.4	37.5	962.6	625.0	521.0
3264	ok	0.09	0.2	1.11e-02	5.7	5.7	7.1	7.1	-14.5	90.6	-9.0	393.9	1146.4	89.5
3265	ok	0.09	0.2	8.71e-03	5.7	5.7	7.1	7.1	-12.4	106.8	-11.6	296.0	1332.5	96.9
3266	ok	0.09	0.3	7.67e-03	5.7	5.7	7.1	7.1	-9.4	119.4	-8.2	-45.9	1567.7	94.5
3267	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-32.0	35.6	46.5	1174.5	546.6	24.9
3268	ok	0.09	0.2	1.56e-02	5.7	5.7	7.1	7.1	-25.6	43.0	38.7	1032.2	565.3	534.2
3269	ok	0.09	0.2	1.35e-02	5.7	5.7	7.1	7.1	-23.2	53.1	38.7	945.9	609.4	524.3
3270	ok	0.09	0.2	1.12e-02	5.7	5.7	7.1	7.1	-13.3	88.3	-8.9	349.9	1127.9	75.0
3271	ok	0.09	0.2	9.09e-03	5.7	5.7	7.1	7.1	-11.8	107.0	-12.2	258.8	1372.2	80.8
3272	ok	0.09	0.3	1.26e-02	5.7	5.7	7.1	7.1	-8.4	128.7	-16.2	-158.9	619.4	8.2
3273	ok	0.09	0.2	1.77e-02	5.7	5.7	7.1	7.1	-32.2	33.1	48.3	1153.7	557.4	31.1
3274	ok	0.09	0.2	1.58e-02	5.7	5.7	7.1	7.1	-30.0	39.1	43.4	1074.9	575.8	615.0
3275	ok	0.09	0.2	1.36e-02	5.7	5.7	7.1	7.1	-23.2	49.6	39.9	931.0	598.1	526.9
3276	ok	0.09	0.2	1.15e-02	5.7	5.7	7.1	7.1	-12.8	85.5	-8.3	354.1	1111.4	67.4
3277	ok	0.09	0.2	9.44e-03	5.7	5.7	7.1	7.1	-12.7	97.5	-25.3	-102.6	447.9	-58.5
3278	ok	0.09	7.51e-02	1.21e-02	5.7	5.7	7.1	7.1	-1.6	151.2	-23.6	-105.4	215.8	-97.7
3279	ok	0.09	0.2	1.80e-02	5.7	5.7	7.1	7.1	-32.4	30.4	50.3	1128.9	569.0	37.4
3280	ok	0.09	0.2	1.60e-02	5.7	5.7	7.1	7.1	-30.2	35.8	45.1	1050.2	586.9	624.8
3281	ok	0.09	0.2	1.35e-02	5.7	5.7	7.1	7.1	-23.7	43.9	39.2	906.9	602.5	532.8
3282	ok	0.09	0.2	1.09e-02	5.7	5.7	7.1	7.1	-13.5	81.5	-7.5	315.7	1067.1	48.0
3283	ok	0.09	0.2	1.01e-02	5.7	5.7	7.1	7.1	-11.6	90.8	-10.7	224.8	1183.4	-3.1
3284	ok	0.09	8.34e-02	1.91e-02	5.7	5.7	7.1	7.1	2.2	166.7	-33.8	-60.7	408.4	-94.7
3285	ok	0.09	0.3	1.82e-02	5.7	5.7	7.1	7.1	-32.8	26.7	49.7	1098.4	595.9	659.0
3286	ok	0.09	0.2	1.58e-02	5.7	5.7	7.1	7.1	-30.4	32.6	46.8	1017.6	597.3	636.8
3287	ok	0.09	0.2	1.37e-02	5.7	5.7	7.1	7.1	-23.7	41.6	42.8	881.4	598.6	545.3
3288	ok	0.09	0.2	1.17e-02	5.7	5.7	7.1	7.1	-18.9	72.9	-19.9	114.1	219.8	-57.8
3289	ok	0.09	0.2	1.17e-02	5.7	5.7	7.1	7.1	-14.4	90.2	-9.1	244.2	1181.0	45.7
3290	ok	0.09	0.2	1.62e-02	5.7	5.7	7.1	7.1	8.5	109.5	15.0	-3.2	1215.2	188.0
3291	ok	0.09	0.3	1.85e-02	5.7	5.7	7.1	7.1	-33.2	23.9	51.7	1059.4	602.4	674.9
3292	ok	0.09	0.2	1.61e-02	5.7	5.7	7.1	7.1	-30.8	29.2	48.5	978.9	604.5	647.2
3293	ok	0.09	0.2	1.42e-02	5.7	5.7	7.1	7.1	-27.4	51.3	27.6	874.1	539.5	547.6
3294	ok	0.09	0.2	1.21e-02	5.7	5.7	7.1	7.1	-23.2	67.3	-14.7	115.8	144.8	-47.4
3295	ok	0.09	0.2	1.26e-02	5.7	5.7	7.1	7.1	-9.6	90.0	-7.2	56.6	1068.5	15.2
3296	ok	0.09	0.2	1.20e-02	5.7	5.7	7.1	7.1	9.4	116.3	24.6	-73.1	1284.2	222.5
3297	ok	0.09	0.3	1.84e-02	5.7	5.7	7.1	7.1	-37.9	20.1	55.9	986.7	597.3	761.9
3298	ok	0.09	0.2	1.65e-02	5.7	5.7	7.1	7.1	-31.2	26.5	52.4	931.0	601.0	663.9
3299	ok	0.09	0.2	1.47e-02	5.7	5.7	7.1	7.1	-25.0	31.9	43.9	802.8	612.9	555.3
3300	ok	0.09	0.2	1.28e-02	5.7	5.7	7.1	7.1	-12.7	68.3	-21.8	184.0	148.9	28.5
3301	ok	0.09	0.2	1.18e-02	5.7	5.7	7.1	7.1	-7.8	90.1	-6.0	55.0	1100.2	158.8
3302	ok	0.09	0.2	1.64e-02	5.7	5.7	7.1	7.1	-7.5	84.4	-2.6	-44.8	984.1	235.8
3303	ok	0.09	0.3	1.87e-02	5.7	5.7	7.1	7.1	-38.4	17.1	57.7	932.0	592.7	780.5
3304	ok	0.09	0.2	1.70e-02	5.7	5.7	7.1	7.1	-31.7	22.7	54.2	878.2	604.4	677.2
3305	ok	0.09	0.2	1.52e-02	5.7	5.7	7.1	7.1	-25.3	28.6	47.6	750.4	615.2	580.4
3306	ok	0.09	0.2	1.36e-02	5.7	5.7	7.1	7.1	-20.8	53.9	24.2	569.3	529.2	505.2
3307	ok	0.09	0.2	1.08e-02	5.7	5.7	7.1	7.1	-10.3	77.5	-13.2	168.4	982.6	142.0
3308	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	7.3	161.6	-13.6	-174.9	-293.0	-19.8
3309	ok	0.09	0.3	1.91e-02	5.7	5.7	7.1	7.1	-39.1	14.7	61.2	872.9	591.9	794.3
3310	ok	0.09	0.2	1.75e-02	5.7	5.7	7.1	7.1	-32.3	18.8	56.1	816.7	601.9	690.6
3311	ok	0.09	0.2	1.58e-02	5.7	5.7	7.1	7.1	-25.3	24.8	48.7	666.3	603.3	587.5
3312	ok	0.09	0.2	1.36e-02	5.7	5.7	7.1	7.1	-20.9	48.8	25.9	520.1	519.6	501.1
3313	ok	0.09	0.2	1.14e-02	5.7	5.7	7.1	7.1	-13.0	84.2	-18.8	-152.2	259.0	33.9
3314	ok	0.09	0.3	1.51e-02	5.7	5.7	7.1	7.1	8.8	141.5	-32.9	-8.33e-02	246.7	-213.4
3315	ok	0.09	0.3	1.99e-02	5.7	5.7	7.1	7.1	-40.0	11.9	63.0	805.7	583.0	820.1
3316	ok	0.09	0.2	1.80e-02	5.7	5.7	7.1	7.1	-33.0	14.9	58.0	748.4	593.7	708.3
3317	ok	0.09	0.2	1.65e-02	5.7	5.7	7.1	7.1	-25.7	19.6	50.5	600.5	591.1	591.9
3318	ok	0.09	0.2	1.42e-02	5.7	5.7	7.1	7.1	-20.5	42.9	27.7	487.3	502.4	500.1
3319	ok	0.09	0.2	1.30e-02	5.7	5.7	7.1	7.1	-5.3	82.0	-18.2	46.2	315.0	28.3
3320	ok	0.09	0.1	7.00e-03	5.7	5.7	7.1	7.1	-7.3	81.0	-18.4	-75.3	-144.1	21.9
3321	ok	0.09	0.2	2.08e-02	5.7	5.7	7.1	7.1	-39.6	19.7	63.9	742.9	461.1	809.9
3322	ok	0.09	0.2	1.79e-02	5.7	5.7	7.1	7.1	-37.3	22.1	60.1	666.2	458.6	731.8
3323	ok	0.09	0.2	1.65e-02	5.7	5.7	7.1	7.1	-28.1	27.7	42.0	581.1	467.0	607.4
3324	ok	0.09	0.2	1.55e-02	5.7	5.7	7.1	7.1	-14.6	-34.2	39.9	-184.7	-76.8	-19.0
3325	ok	0.09	0.2	1.29e-02	5.7	5.7	7.1	7.1	-13.0	70.4	-21.7	-103.9	-192.8	-12.6
3326	ok	0.09	0.2	8.90e-03	5.7	5.7	7.1	7.1	-7.5	80.8	-17.9	-72.4	-144.5	10.3

3327	ok	0.09	0.2	2.17e-02	5.7	5.7	7.1	7.1	-39.9	16.9	65.6	658.4	428.6	862.4
3328	ok	0.09	0.2	1.88e-02	5.7	5.7	7.1	7.1	-28.0	18.6	60.2	641.3	432.4	712.0
3329	ok	0.09	0.2	1.75e-02	5.7	5.7	7.1	7.1	-24.7	21.3	55.3	565.1	432.6	618.8
3330	ok	0.09	0.2	1.59e-02	5.7	5.7	7.1	7.1	-14.1	-32.8	37.4	73.8	305.3	554.0
3331	ok	0.09	0.1	1.48e-02	5.7	5.7	7.1	7.1	-16.9	-41.1	30.7	-61.6	267.0	-54.9
3332	ok	0.09	0.2	1.37e-02	5.7	5.7	7.1	7.1	-3.2	103.0	-17.7	-84.9	-156.4	57.0
3333	ok	0.09	0.2	2.27e-02	5.7	5.7	7.1	7.1	-39.1	14.2	66.8	577.8	413.7	925.8
3334	ok	0.09	0.2	2.01e-02	5.7	5.7	7.1	7.1	-37.8	12.6	64.4	505.8	389.1	803.3
3335	ok	0.09	0.2	1.84e-02	5.7	5.7	7.1	7.1	-28.9	14.2	57.8	367.3	387.5	641.9
3336	ok	0.09	0.2	1.81e-02	5.7	5.7	7.1	7.1	-17.7	-29.3	41.5	125.7	368.0	-31.3
3337	ok	0.09	0.2	1.68e-02	5.7	5.7	7.1	7.1	-11.7	70.2	-15.0	-27.2	-288.8	-451.4
3338	ok	0.09	0.1	1.57e-02	5.7	5.7	7.1	7.1	-5.4	104.7	-18.7	-156.9	-403.3	-338.4
3339	ok	0.09	0.2	2.31e-02	5.7	5.7	7.1	7.1	-46.9	10.0	70.0	445.2	39.5	-3.8
3340	ok	0.09	0.2	2.18e-02	5.7	5.7	7.1	7.1	-59.1	-10.6	42.5	173.0	202.7	-7.1
3341	ok	0.09	0.1	1.97e-02	5.7	5.7	7.1	7.1	-42.4	-27.7	43.5	111.4	366.3	88.9
3342	ok	0.09	0.1	1.95e-02	5.7	5.7	7.1	7.1	-28.4	-28.8	46.5	148.9	499.8	-1.1
3343	ok	0.09	0.2	1.95e-02	5.7	5.7	7.1	7.1	-15.9	59.3	-19.7	-62.1	-459.9	-452.9
3344	ok	0.09	0.1	2.41e-02	5.7	5.7	7.1	7.1	-1.8	142.2	-20.4	-198.6	-416.2	-303.3
3345	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-75.3	-8.3	45.5	192.6	308.7	24.5
3346	ok	0.09	0.2	2.45e-02	5.7	5.7	7.1	7.1	-73.8	-11.1	46.1	173.2	292.8	54.7
3347	ok	0.09	0.1	2.36e-02	5.7	5.7	7.1	7.1	-68.0	-15.1	46.0	151.1	236.3	81.3
3348	ok	0.09	0.1	2.28e-02	5.7	5.7	7.1	7.1	-43.5	-24.9	52.1	220.2	722.3	11.5
3349	ok	0.09	0.1	2.27e-02	5.7	5.7	7.1	7.1	-22.1	-53.3	40.7	-49.1	649.4	454.0
3350	ok	0.09	0.2	2.91e-02	5.7	5.7	7.1	7.1	0.4	158.8	-29.1	-317.8	-915.4	-369.7
3351	ok	0.09	0.2	2.62e-02	5.7	5.7	7.1	7.1	-88.1	-3.8	-22.2	-16.3	1060.2	-131.4
3352	ok	0.09	0.2	2.75e-02	5.7	5.7	7.1	7.1	-91.8	-9.8	42.9	161.9	413.7	79.2
3353	ok	0.09	0.2	2.83e-02	5.7	5.7	7.1	7.1	-92.3	-13.9	46.2	149.5	377.8	136.2
3354	ok	0.09	0.2	2.81e-02	5.7	5.7	7.1	7.1	-86.9	-22.0	48.7	123.1	252.1	183.3
3355	ok	0.09	0.2	2.87e-02	5.7	5.7	7.1	7.1	-60.1	-69.9	55.6	76.9	607.6	102.0
3356	ok	0.09	0.4	3.80e-02	5.7	5.7	7.1	7.1	52.9	252.5	-37.8	-341.2	-1387.0	223.4

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.09	0.40	0.06	5.65	5.65	7.10	7.07	-256.06	-69.88	-107.44	-985.38	-1693.30	-1764.93
								52.86	252.54	111.68	1472.40	1595.04	1721.83

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
360	ok Av	5.20	0.20	0.05	5.7	1.5	134.0	34.1
364	ok	1.46						
368	ok	1.16						
372	ok	1.08						
376	ok	1.01						
380	ok	1.11						
384	ok	1.21						
388	ok	1.29						
392	ok	1.35						
396	ok	1.36						
400	ok	1.31						
404	ok	1.20						
408	ok	1.05						
412	ok	0.90						
416	ok	0.81						
420	ok	0.80						
424	ok	0.77						
428	ok	0.71						
432	ok	0.64						
436	ok	0.66						
440	ok	0.66						
444	ok	0.67						
448	ok	0.65						
452	ok	0.61						
456	ok	0.59						
460	ok	0.54						
464	ok	0.59						
468	ok	0.62						
472	ok	0.65						
476	ok	0.68						
480	ok	0.67						
484	ok	0.66						
488	ok	0.64						
492	ok	0.71						
496	ok	0.76						
500	ok	0.79						
504	ok	0.80						
508	ok	0.91						

512	ok	1.07						
516	ok	1.22						
520	ok	1.33						
524	ok	1.38						
528	ok	1.37						
532	ok	1.31						
536	ok	1.22						
540	ok	1.08						
544	ok	1.07						
548	ok	1.14						
552	ok	1.23						
556	ok	1.50						
560	ok Av	5.13	0.19	0.06	5.6	1.6	131.1	38.1
1545	ok	4.71						
1546	ok	0.71						
1547	ok Av	5.25	0.21	7.27e-03	6.0	0.2	139.7	4.9
1548	ok	0.84						
1549	ok Av	5.47	0.21	8.52e-03	6.2	0.2	145.5	5.8
1550	ok	0.89						
1551	ok Av	5.51	0.22	0.01	6.3	0.3	146.5	7.5
1552	ok	0.92						
1553	ok Av	5.28	0.21	0.01	6.0	0.3	140.1	8.1
1554	ok	0.90						
1555	ok	4.74						
1556	ok	0.83						
1557	ok	0.29						
1558	ok	0.25						
1559	ok	0.20						
1560	ok	0.26						
1561	ok	0.30						
1562	ok	0.33						
1563	ok	0.41						
1564	ok	0.24						
1565	ok	0.23						
1566	ok	0.24						
1567	ok	0.27						
1568	ok	0.29						
1569	ok	0.44						
1570	ok	0.25						
1571	ok	0.23						
1572	ok	0.23						
1573	ok	0.24						
1574	ok	0.26						
1575	ok	0.44						
1576	ok	0.30						
1577	ok	0.25						
1578	ok	0.23						
1579	ok	0.22						
1580	ok	0.23						
1581	ok	0.47						
1582	ok	0.32						
1583	ok	0.27						
1584	ok	0.24						
1585	ok	0.22						
1586	ok	0.21						
1587	ok	0.49						
1588	ok	0.35						
1589	ok	0.29						
1590	ok	0.25						
1591	ok	0.22						
1592	ok	0.20						
1593	ok	0.51						
1594	ok	0.37						
1595	ok	0.31						
1596	ok	0.26						
1597	ok	0.23						
1598	ok	0.19						
1599	ok	0.51						
1600	ok	0.39						
1601	ok	0.33						
1602	ok	0.28						
1603	ok	0.23						
1604	ok	0.19						
1605	ok	0.51						
1606	ok	0.41						
1607	ok	0.35						
1608	ok	0.29						

1609	ok	0.24
1610	ok	0.19
1611	ok	0.49
1612	ok	0.42
1613	ok	0.36
1614	ok	0.30
1615	ok	0.25
1616	ok	0.19
1617	ok	0.50
1618	ok	0.43
1619	ok	0.37
1620	ok	0.31
1621	ok	0.25
1622	ok	0.20
1623	ok	0.50
1624	ok	0.44
1625	ok	0.38
1626	ok	0.32
1627	ok	0.26
1628	ok	0.20
1629	ok	0.51
1630	ok	0.44
1631	ok	0.38
1632	ok	0.32
1633	ok	0.26
1634	ok	0.20
1635	ok	0.51
1636	ok	0.45
1637	ok	0.38
1638	ok	0.32
1639	ok	0.26
1640	ok	0.20
1641	ok	0.51
1642	ok	0.45
1643	ok	0.39
1644	ok	0.33
1645	ok	0.26
1646	ok	0.20
1647	ok	0.51
1648	ok	0.44
1649	ok	0.39
1650	ok	0.33
1651	ok	0.27
1652	ok	0.20
1653	ok	0.50
1654	ok	0.44
1655	ok	0.39
1656	ok	0.33
1657	ok	0.27
1658	ok	0.21
1659	ok	0.50
1660	ok	0.44
1661	ok	0.38
1662	ok	0.33
1663	ok	0.27
1664	ok	0.21
1665	ok	0.50
1666	ok	0.44
1667	ok	0.38
1668	ok	0.33
1669	ok	0.27
1670	ok	0.21
1671	ok	0.49
1672	ok	0.44
1673	ok	0.38
1674	ok	0.32
1675	ok	0.27
1676	ok	0.21
1677	ok	0.49
1678	ok	0.44
1679	ok	0.38
1680	ok	0.32
1681	ok	0.26
1682	ok	0.20
1683	ok	0.49
1684	ok	0.44
1685	ok	0.38

1686	ok	0.32
1687	ok	0.26
1688	ok	0.20
1689	ok	0.49
1690	ok	0.43
1691	ok	0.38
1692	ok	0.32
1693	ok	0.26
1694	ok	0.20
1695	ok	0.48
1696	ok	0.43
1697	ok	0.37
1698	ok	0.32
1699	ok	0.26
1700	ok	0.20
1701	ok	0.49
1702	ok	0.43
1703	ok	0.38
1704	ok	0.32
1705	ok	0.26
1706	ok	0.20
1707	ok	0.49
1708	ok	0.44
1709	ok	0.38
1710	ok	0.32
1711	ok	0.26
1712	ok	0.20
1713	ok	0.49
1714	ok	0.44
1715	ok	0.38
1716	ok	0.32
1717	ok	0.27
1718	ok	0.20
1719	ok	0.50
1720	ok	0.44
1721	ok	0.38
1722	ok	0.33
1723	ok	0.27
1724	ok	0.21
1725	ok	0.50
1726	ok	0.44
1727	ok	0.38
1728	ok	0.33
1729	ok	0.27
1730	ok	0.21
1731	ok	0.50
1732	ok	0.44
1733	ok	0.39
1734	ok	0.33
1735	ok	0.27
1736	ok	0.21
1737	ok	0.50
1738	ok	0.44
1739	ok	0.39
1740	ok	0.33
1741	ok	0.27
1742	ok	0.21
1743	ok	0.51
1744	ok	0.45
1745	ok	0.39
1746	ok	0.33
1747	ok	0.27
1748	ok	0.21
1749	ok	0.51
1750	ok	0.45
1751	ok	0.39
1752	ok	0.33
1753	ok	0.26
1754	ok	0.20
1755	ok	0.52
1756	ok	0.45
1757	ok	0.38
1758	ok	0.32
1759	ok	0.26
1760	ok	0.20
1761	ok	0.51
1762	ok	0.45

1763	ok	0.38
1764	ok	0.32
1765	ok	0.26
1766	ok	0.20
1767	ok	0.50
1768	ok	0.44
1769	ok	0.38
1770	ok	0.32
1771	ok	0.26
1772	ok	0.20
1773	ok	0.49
1774	ok	0.43
1775	ok	0.37
1776	ok	0.31
1777	ok	0.25
1778	ok	0.20
1779	ok	0.49
1780	ok	0.42
1781	ok	0.36
1782	ok	0.30
1783	ok	0.24
1784	ok	0.19
1785	ok	0.51
1786	ok	0.41
1787	ok	0.34
1788	ok	0.29
1789	ok	0.24
1790	ok	0.19
1791	ok	0.51
1792	ok	0.39
1793	ok	0.33
1794	ok	0.28
1795	ok	0.23
1796	ok	0.19
1797	ok	0.51
1798	ok	0.37
1799	ok	0.31
1800	ok	0.26
1801	ok	0.22
1802	ok	0.19
1803	ok	0.49
1804	ok	0.35
1805	ok	0.29
1806	ok	0.25
1807	ok	0.22
1808	ok	0.20
1809	ok	0.47
1810	ok	0.32
1811	ok	0.27
1812	ok	0.24
1813	ok	0.22
1814	ok	0.21
1815	ok	0.46
1816	ok	0.29
1817	ok	0.24
1818	ok	0.23
1819	ok	0.22
1820	ok	0.23
1821	ok	0.43
1822	ok	0.25
1823	ok	0.22
1824	ok	0.23
1825	ok	0.24
1826	ok	0.25
1827	ok	0.39
1828	ok	0.23
1829	ok	0.22
1830	ok	0.24
1831	ok	0.27
1832	ok	0.29
1833	ok	0.30
1834	ok	0.25
1835	ok	0.21
1836	ok	0.26
1837	ok	0.30
1838	ok	0.32
1839	ok	0.70

1840	ok	0.80						
1841	ok	0.86						
1842	ok	0.89						
1843	ok	0.87						
1844	ok	0.80						
1845	ok	4.58						
1846	ok Av	5.13	0.20	7.02e-03	5.8	0.2	136.5	4.8
1847	ok Av	5.37	0.21	8.36e-03	6.1	0.2	142.7	5.7
1848	ok Av	5.41	0.21	0.01	6.1	0.3	143.8	7.4
1849	ok Av	5.18	0.20	0.01	5.9	0.3	137.6	8.1
1850	ok	4.65						
2089	ok	3.84						
2090	ok	0.69						
2091	ok	0.36						
2092	ok	0.32						
2093	ok	0.28						
2094	ok	0.24						
2095	ok	0.21						
2096	ok	0.18						
2097	ok	0.16						
2098	ok	0.15						
2099	ok	0.14						
2100	ok	0.14						
2101	ok	0.13						
2102	ok	0.13						
2103	ok	0.13						
2104	ok	0.13						
2105	ok	0.13						
2106	ok	0.13						
2107	ok	0.13						
2108	ok	0.13						
2109	ok	0.13						
2110	ok	0.13						
2111	ok	0.13						
2112	ok	0.13						
2113	ok	0.13						
2114	ok	0.13						
2115	ok	0.13						
2116	ok	0.13						
2117	ok	0.13						
2118	ok	0.13						
2119	ok	0.13						
2120	ok	0.13						
2121	ok	0.13						
2122	ok	0.13						
2123	ok	0.13						
2124	ok	0.13						
2125	ok	0.13						
2126	ok	0.13						
2127	ok	0.13						
2128	ok	0.14						
2129	ok	0.14						
2130	ok	0.15						
2131	ok	0.16						
2132	ok	0.18						
2133	ok	0.20						
2134	ok	0.24						
2135	ok	0.27						
2136	ok	0.32						
2137	ok	0.35						
2138	ok	0.66						
2139	ok	3.75						
2751	ok	2.84						
2752	ok	2.12						
2753	ok	1.69						
2754	ok	1.62						
2755	ok	2.58						
2756	ok	2.64						
3057	ok	2.94						
3058	ok	0.57						
3059	ok	2.21						
3060	ok	0.59						
3061	ok	1.72						
3062	ok	0.60						
3063	ok	1.64						
3064	ok	0.58						
3065	ok	2.17						

3066	ok	1.10
3067	ok	2.03
3068	ok	1.41
3069	ok	0.38
3070	ok	0.39
3071	ok	0.41
3072	ok	0.46
3073	ok	0.63
3074	ok	1.16
3075	ok	0.33
3076	ok	0.33
3077	ok	0.33
3078	ok	0.36
3079	ok	0.40
3080	ok	0.60
3081	ok	0.28
3082	ok	0.27
3083	ok	0.25
3084	ok	0.23
3085	ok	0.54
3086	ok	1.34
3087	ok	0.23
3088	ok	0.22
3089	ok	0.21
3090	ok	0.29
3091	ok	0.28
3092	ok	1.19
3093	ok	0.19
3094	ok	0.19
3095	ok	0.22
3096	ok	0.24
3097	ok	0.36
3098	ok	0.94
3099	ok	0.16
3100	ok	0.18
3101	ok	0.21
3102	ok	0.30
3103	ok	0.30
3104	ok	0.74
3105	ok	0.14
3106	ok	0.18
3107	ok	0.24
3108	ok	0.25
3109	ok	0.44
3110	ok	0.74
3111	ok	0.13
3112	ok	0.18
3113	ok	0.23
3114	ok	0.32
3115	ok	0.32
3116	ok	0.86
3117	ok	0.13
3118	ok	0.18
3119	ok	0.25
3120	ok	0.29
3121	ok	0.46
3122	ok	1.28
3123	ok	0.13
3124	ok	0.19
3125	ok	0.25
3126	ok	0.37
3127	ok	0.41
3128	ok	1.25
3129	ok	0.13
3130	ok	0.19
3131	ok	0.28
3132	ok	0.28
3133	ok	0.82
3134	ok	1.37
3135	ok	0.12
3136	ok	0.20
3137	ok	0.25
3138	ok	0.42
3139	ok	0.46
3140	ok	1.24
3141	ok	0.12
3142	ok	0.19

3143	ok	0.28
3144	ok	0.31
3145	ok	0.54
3146	ok	1.05
3147	ok	0.12
3148	ok	0.20
3149	ok	0.26
3150	ok	0.37
3151	ok	0.37
3152	ok	0.85
3153	ok	0.12
3154	ok	0.19
3155	ok	0.27
3156	ok	0.30
3157	ok	0.45
3158	ok	0.84
3159	ok	0.12
3160	ok	0.19
3161	ok	0.25
3162	ok	0.36
3163	ok	0.36
3164	ok	0.84
3165	ok	0.12
3166	ok	0.19
3167	ok	0.27
3168	ok	0.29
3169	ok	0.53
3170	ok	0.94
3171	ok	0.12
3172	ok	0.19
3173	ok	0.25
3174	ok	0.37
3175	ok	0.38
3176	ok	0.83
3177	ok	0.12
3178	ok	0.19
3179	ok	0.27
3180	ok	0.29
3181	ok	0.51
3182	ok	0.94
3183	ok	0.12
3184	ok	0.19
3185	ok	0.24
3186	ok	0.36
3187	ok	0.37
3188	ok	0.79
3189	ok	0.12
3190	ok	0.18
3191	ok	0.26
3192	ok	0.28
3193	ok	0.50
3194	ok	0.93
3195	ok	0.12
3196	ok	0.18
3197	ok	0.24
3198	ok	0.35
3199	ok	0.37
3200	ok	0.76
3201	ok	0.12
3202	ok	0.18
3203	ok	0.26
3204	ok	0.28
3205	ok	0.49
3206	ok	0.93
3207	ok	0.12
3208	ok	0.18
3209	ok	0.24
3210	ok	0.35
3211	ok	0.37
3212	ok	0.72
3213	ok	0.12
3214	ok	0.18
3215	ok	0.26
3216	ok	0.28
3217	ok	0.49
3218	ok	0.93
3219	ok	0.12

3220	ok	0.19
3221	ok	0.24
3222	ok	0.35
3223	ok	0.36
3224	ok	0.76
3225	ok	0.12
3226	ok	0.18
3227	ok	0.26
3228	ok	0.28
3229	ok	0.50
3230	ok	0.94
3231	ok	0.12
3232	ok	0.19
3233	ok	0.25
3234	ok	0.36
3235	ok	0.37
3236	ok	0.79
3237	ok	0.12
3238	ok	0.19
3239	ok	0.27
3240	ok	0.29
3241	ok	0.51
3242	ok	0.94
3243	ok	0.12
3244	ok	0.19
3245	ok	0.25
3246	ok	0.37
3247	ok	0.37
3248	ok	0.83
3249	ok	0.12
3250	ok	0.19
3251	ok	0.27
3252	ok	0.29
3253	ok	0.53
3254	ok	0.94
3255	ok	0.12
3256	ok	0.19
3257	ok	0.25
3258	ok	0.36
3259	ok	0.36
3260	ok	0.85
3261	ok	0.12
3262	ok	0.19
3263	ok	0.27
3264	ok	0.30
3265	ok	0.45
3266	ok	0.83
3267	ok	0.12
3268	ok	0.19
3269	ok	0.26
3270	ok	0.37
3271	ok	0.37
3272	ok	0.84
3273	ok	0.12
3274	ok	0.19
3275	ok	0.28
3276	ok	0.31
3277	ok	0.54
3278	ok	1.04
3279	ok	0.12
3280	ok	0.20
3281	ok	0.25
3282	ok	0.42
3283	ok	0.46
3284	ok	1.12
3285	ok	0.13
3286	ok	0.19
3287	ok	0.28
3288	ok	0.28
3289	ok	0.83
3290	ok	1.37
3291	ok	0.13
3292	ok	0.19
3293	ok	0.25
3294	ok	0.35
3295	ok	0.39
3296	ok	1.35

3297	ok	0.13
3298	ok	0.18
3299	ok	0.25
3300	ok	0.33
3301	ok	0.71
3302	ok	2.05
3303	ok	0.13
3304	ok	0.19
3305	ok	0.23
3306	ok	0.33
3307	ok	0.38
3308	ok	2.05
3309	ok	0.14
3310	ok	0.18
3311	ok	0.25
3312	ok	0.25
3313	ok	0.79
3314	ok	2.12
3315	ok	0.16
3316	ok	0.18
3317	ok	0.21
3318	ok	0.34
3319	ok	0.35
3320	ok	0.65
3321	ok	0.19
3322	ok	0.19
3323	ok	0.22
3324	ok	0.25
3325	ok	0.35
3326	ok	0.47
3327	ok	0.23
3328	ok	0.22
3329	ok	0.21
3330	ok	0.26
3331	ok	0.25
3332	ok	0.50
3333	ok	0.27
3334	ok	0.27
3335	ok	0.25
3336	ok	0.23
3337	ok	0.30
3338	ok	0.65
3339	ok	0.32
3340	ok	0.32
3341	ok	0.32
3342	ok	0.32
3343	ok	0.34
3344	ok	0.58
3345	ok	0.37
3346	ok	0.38
3347	ok	0.39
3348	ok	0.45
3349	ok	0.56
3350	ok	1.13
3351	ok	0.55
3352	ok	0.55
3353	ok	0.57
3354	ok	0.58
3355	ok	1.01
3356	ok	1.36

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	5.51	0.22	0.06	6.26	1.63	146.50	38.13

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
907	ok	0.10	0.3	0.2	6.8	10.0	7.9	9.9	-636.3	-178.9	50.6	-130.4	84.6	-154.3

908	ok	0.09	0.3	6.44e-02	5.7	5.7	7.1	7.1	-126.8	-69.6	80.6	-279.3	21.7	38.3
914	ok	0.11	0.3	0.2	9.0	10.7	11.0	11.5	-622.4	-346.8	-52.3	156.7	63.8	144.6
925	ok	0.10	0.5	0.2	9.6	9.7	9.4	10.7	-596.6	-155.3	57.5	144.4	78.9	182.4
926	ok	0.09	0.3	6.77e-02	5.7	5.7	7.1	7.1	-110.5	-211.9	-114.0	-143.0	47.8	-30.3
932	ok	0.10	0.3	0.2	6.5	9.5	7.9	10.3	-650.1	-713.1	277.7	-194.1	-23.4	-33.4
943	ok	0.09	0.5	0.1	5.7	5.7	7.1	7.1	-436.4	-109.1	47.1	263.3	94.7	170.4
944	ok	0.09	0.3	5.68e-02	5.7	5.7	7.1	7.1	-167.1	-115.3	-62.9	-1099.1	23.6	155.4
950	ok	0.09	0.4	0.1	5.7	5.7	7.1	7.1	-390.3	-347.5	173.5	-357.2	-232.1	119.9
961	ok	0.09	0.3	0.1	6.8	5.7	7.6	7.1	-466.9	-359.1	-189.6	344.3	685.7	275.5
962	ok	0.09	0.2	6.05e-02	5.7	5.7	7.1	7.1	-184.4	-97.7	96.6	532.7	77.6	27.3
968	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-399.4	-232.4	186.4	-455.4	-443.1	250.0
979	ok	0.11	0.3	0.2	9.8	9.7	12.9	11.1	-616.4	-345.0	4.1	50.5	-568.6	-176.9
980	ok	0.09	0.2	7.18e-02	5.7	5.7	7.1	7.1	-199.0	-173.0	62.3	-152.3	-725.1	-79.5
986	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-559.7	67.9	-40.8	-191.5	75.5	72.7
1087	ok	0.10	0.3	0.2	5.7	7.9	7.1	8.5	-584.3	-399.8	-270.1	-485.4	-385.4	-290.8
1088	ok	0.09	0.2	6.03e-02	5.7	5.7	7.1	7.1	-92.8	-39.7	77.5	-89.1	15.6	-219.4
1094	ok	0.12	0.4	0.2	11.7	10.6	14.2	11.8	-626.0	-705.5	268.1	1031.7	1113.6	-311.9
1105	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-425.3	17.5	-42.1	-245.2	-542.9	24.7
1106	ok	0.09	0.1	4.04e-02	5.7	5.7	7.1	7.1	-145.9	149.8	-15.8	-118.5	-374.9	-210.8
1112	ok	0.09	0.2	8.95e-02	5.7	5.7	7.1	7.1	-303.5	-210.8	-0.2	9.0	-87.0	139.6
1118	ok	0.12	0.3	0.2	10.5	9.5	13.8	10.9	-590.2	-403.5	63.4	119.3	-118.9	98.8
2001	ok	0.09	0.3	0.1	5.7	6.5	7.1	7.8	-455.5	164.6	-204.8	-398.2	-467.6	-148.1
2002	ok	0.09	0.2	5.32e-02	5.7	5.7	7.1	7.1	-98.8	-32.9	-12.2	-762.3	-384.1	9.1
2003	ok	0.10	0.4	0.1	8.2	7.0	9.3	8.0	-496.6	-91.3	-41.4	888.6	402.8	-140.8
2004	ok	0.09	0.3	0.1	5.9	8.0	7.3	7.9	-525.1	143.5	-230.7	-260.9	-129.0	-33.9
2005	ok	0.09	0.3	5.99e-02	5.7	5.7	7.1	7.1	-95.5	-42.8	10.9	-900.1	-317.4	38.1
2006	ok	0.09	0.3	0.1	6.5	7.5	7.9	8.2	-217.6	-71.8	-20.2	-45.3	19.2	-103.3
2007	ok	0.09	0.4	0.1	7.5	7.4	7.8	8.1	-164.5	178.0	1.6	385.7	173.0	78.8
2008	ok	0.09	0.3	6.63e-02	5.7	5.7	7.1	7.1	-104.5	-39.3	8.8	-762.7	-270.2	44.2
2009	ok	0.09	0.3	0.1	5.7	7.3	7.1	8.1	-499.6	-103.3	-74.6	-266.2	-82.4	-46.7
2010	ok	0.09	0.4	9.18e-02	5.7	5.7	7.1	7.1	-89.3	122.5	-31.5	401.4	385.4	38.1
2011	ok	0.09	0.3	4.67e-02	5.7	5.7	7.1	7.1	-91.0	-30.4	6.0	-645.1	-405.7	15.7
2012	ok	0.09	0.3	8.16e-02	5.7	5.7	7.1	7.1	-89.0	-34.3	29.8	-770.3	-419.9	-47.7
2013	ok	0.09	0.4	0.1	6.2	5.7	7.6	7.1	-391.5	42.5	-150.4	799.5	433.6	68.9
2014	ok	0.09	0.2	5.47e-02	5.7	5.7	7.1	7.1	-106.5	72.8	96.9	560.7	496.9	50.4
2015	ok	0.09	0.2	8.20e-02	5.7	5.7	7.1	7.1	-308.6	118.0	120.8	-386.1	-425.1	109.9
2016	ok	0.09	0.2	0.1	6.2	5.9	7.6	7.3	-487.6	37.1	2.6	67.5	-220.7	-55.7
2017	ok	0.09	0.2	3.89e-02	5.7	5.7	7.1	7.1	-109.9	114.6	29.1	-72.9	-355.2	-251.4
2018	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-599.4	-109.1	-47.2	-198.7	-245.7	214.6
2019	ok	0.09	0.2	0.1	5.7	5.7	7.1	7.1	-327.5	-15.9	11.5	-239.6	-509.4	-54.6
2020	ok	0.09	0.2	4.18e-02	5.7	5.7	7.1	7.1	-110.0	-3.0	44.0	-173.6	-808.1	-99.7
2021	ok	0.09	0.1	6.21e-02	5.7	5.7	7.1	7.1	-250.6	15.8	42.3	108.1	85.9	48.0
2022	ok	0.09	0.3	0.1	6.7	6.0	8.1	7.4	-471.4	-24.8	256.3	165.6	216.7	-38.3
2185	ok	0.09	0.2	8.99e-02	5.7	5.7	7.1	7.1	39.5	99.6	-115.1	-52.0	-533.1	-39.5
2186	ok	0.11	0.3	0.2	9.4	8.9	12.1	10.3	100.9	369.6	-125.4	-124.3	-632.0	-19.3
2187	ok	0.09	0.1	6.61e-02	5.7	5.7	7.1	7.1	-76.6	-134.3	150.9	213.7	471.1	-42.6
2188	ok	0.09	0.2	8.40e-02	5.7	5.7	7.1	7.1	32.1	195.6	-91.8	-161.3	-691.0	-61.2
2189	ok	0.09	0.1	5.08e-02	5.7	5.7	7.1	7.1	2.6	-120.2	143.0	248.2	524.7	-68.9
2190	ok	0.09	0.1	4.39e-02	5.7	5.7	7.1	7.1	7.9	181.8	-87.9	-131.3	-627.6	-114.5
2191	ok	0.09	0.2	7.55e-02	5.7	5.7	7.1	7.1	-128.6	189.9	-102.4	-387.3	-508.7	-45.4
2192	ok	0.09	0.3	8.36e-02	5.7	6.1	7.1	7.5	-60.9	3.4	-105.9	-211.2	-534.8	-167.7
2193	ok	0.09	0.2	7.98e-02	5.7	5.7	7.1	7.1	-160.1	19.3	87.5	483.2	373.9	-85.0
2194	ok	0.11	0.4	0.1	9.8	8.6	12.5	10.5	-113.1	-567.0	215.5	195.8	1047.1	-597.1
2195	ok	0.09	0.1	5.75e-02	5.7	5.7	7.1	7.1	-16.7	-138.6	100.3	49.0	200.3	-77.4
2196	ok	0.09	0.1	7.45e-02	5.7	5.7	7.1	7.1	-40.3	-282.6	96.7	-52.5	236.0	-73.5
2197	ok	0.09	0.2	4.50e-02	5.7	5.7	7.1	7.1	38.3	-85.9	142.0	352.5	298.7	3.2
2198	ok	0.09	0.2	4.02e-02	5.7	5.7	7.1	7.1	45.2	34.6	106.3	102.5	471.6	70.3
2199	ok	0.09	0.2	8.29e-02	5.7	5.7	7.1	7.1	-198.5	19.8	-171.1	-315.8	-160.6	-15.8
2200	ok	0.09	0.3	0.1	5.7	6.4	7.1	7.8	-79.0	-44.7	-110.2	-217.4	-237.0	-46.7
2201	ok	0.09	0.2	8.69e-02	5.7	5.7	7.1	7.1	-51.1	0.9	267.7	86.5	52.2	-96.5
2202	ok	0.10	0.2	0.2	7.6	8.0	10.2	10.3	-123.5	-647.9	229.6	-145.9	204.0	-47.5
2203	ok	0.09	0.2	6.56e-02	5.7	5.7	7.1	7.1	6.1	104.3	-73.1	198.6	142.0	19.5
2204	ok	0.09	0.2	8.78e-02	5.7	5.7	7.1	7.1	28.4	194.6	-79.7	66.3	285.2	28.5
2205	ok	0.09	0.2	5.39e-02	5.7	5.7	7.1	7.1	-22.3	85.8	-101.3	225.6	158.8	177.7
2206	ok	0.09	0.2	4.94e-02	5.7	5.7	7.1	7.1	32.8	-45.8	92.6	-161.6	-96.6	-158.6
2207	ok	0.09	0.2	8.50e-02	5.7	5.7	7.1	7.1	-69.0	77.6	-115.5	311.6	150.3	83.7
2208	ok	0.09	0.4	8.69e-02	5.7	5.7	7.2	7.1	56.8	-52.6	90.9	-142.2	-125.5	-21.6
2209	ok	0.09	0.2	7.84e-02	5.7	5.7	7.1	7.1	-161.7	1.5	68.7	-273.1	-82.1	-70.0
2210	ok	0.10	0.3	0.1	6.7	7.9	8.1	9.3	-86.3	-542.9	190.7	-240.6	87.2	115.4
2211	ok	0.09	0.2	5.86e-02	5.7	5.7	7.1	7.1	5.7	82.2	-51.2	238.5	271.9	3.3
2212	ok	0.09	0.2	7.20e-02	5.7	5.7	7.1	7.1	28.2	162.7	-63.5	119.5	461.4	-0.5
2213	ok	0.09	0.2	4.76e-02	5.7	5.7	7.1	7.1	-14.5	62.6	-70.1	234.4	296.8	86.9
2214	ok	0.09	0.2	4.07e-02	5.7	5.7	7.1	7.1	-4.0	69.2	-66.7	104.4	486.5	98.7
2215	ok	0.09	0.2	5.64e-02	5.7	5.7	7.1	7.1	-92.8	60.9	-121.9	405.2	329.5	53.2
2216	ok	0.09	0.3	4.69e-02	5.7	5.7	7.1	7.1	28.7	-61.9	63.8	-201.3	-253.2	-143.7
2217	ok	0.09	0.2	4.31e-02	5.7	5.7	7.1	7.1	-3.1	1.7	-29.7	271.8	409.2	-37.5
2218	ok	0.09	0.3	6.15e-02	5.7	5.7	7.1	7.1	-18.1	-222.6	96.2	-266.1	-156.9	226.0

2219	ok	0.09	0.1	2.99e-02	5.7	5.7	7.1	7.1	-11.5	-22.2	101.1	-348.7	-363.3	34.4
2220	ok	0.09	0.2	2.61e-02	5.7	5.7	7.1	7.1	9.0	61.2	-29.9	326.5	1030.0	-8.5
2221	ok	0.09	0.1	3.14e-02	5.7	5.7	7.1	7.1	-10.8	13.5	-29.2	353.5	505.2	86.4
2222	ok	0.09	0.2	2.56e-02	5.7	5.7	7.1	7.1	4.5	64.3	-26.0	293.2	1000.9	51.5
2223	ok	0.09	0.2	4.94e-02	5.7	5.7	7.1	7.1	-134.9	-35.4	-110.5	441.5	389.1	78.9
2224	ok	0.09	0.2	7.32e-02	5.7	5.7	7.1	7.1	112.7	272.3	146.4	-283.4	-476.6	-118.8
2225	ok	0.09	0.1	4.35e-02	5.7	5.7	7.1	7.1	-72.6	42.8	129.6	-359.2	-390.6	65.0
2226	ok	0.09	0.2	3.85e-02	5.7	5.7	7.1	7.1	-7.1	-96.0	101.9	-218.4	-477.1	235.2
2227	ok	0.09	0.1	3.90e-02	5.7	5.7	7.1	7.1	22.9	58.4	121.3	-306.7	-499.5	26.0
2228	ok	0.09	8.98e-02	3.29e-02	5.7	5.7	7.1	7.1	2.7	68.3	68.8	-164.9	-487.3	62.4
2229	ok	0.09	9.15e-02	5.11e-02	5.7	5.7	7.1	7.1	16.0	61.7	77.9	-77.7	-464.1	44.6
2230	ok	0.09	0.2	6.95e-02	5.7	5.7	7.1	7.1	39.2	191.4	75.5	-152.4	-540.2	22.1
2231	ok	0.09	0.1	7.65e-02	5.7	5.7	7.1	7.1	39.1	54.0	103.2	-69.2	-475.5	34.0
2232	ok	0.10	0.2	0.1	8.2	8.8	10.8	10.3	102.8	353.2	115.7	-111.9	-523.0	6.2
2233	ok	0.09	0.2	8.08e-02	5.7	5.7	7.1	7.1	-334.4	-57.8	13.2	-223.7	-694.5	-92.3
2234	ok	0.09	0.2	3.39e-02	5.7	5.7	7.1	7.1	-95.3	-50.9	32.8	-297.9	-976.4	-81.2
2235	ok	0.09	0.2	5.14e-02	5.7	5.7	7.1	7.1	-131.4	-29.0	14.0	-379.5	-1352.0	-72.3
2236	ok	0.09	0.2	2.57e-02	5.7	5.7	7.1	7.1	-80.1	-22.9	19.3	-281.4	-1203.1	-167.9
2237	ok	0.09	0.2	3.39e-02	5.7	5.7	7.1	7.1	-131.9	-35.1	11.8	-343.4	-1420.2	5.2
2238	ok	0.09	0.2	2.19e-02	5.7	5.7	7.1	7.1	-77.9	-27.2	16.8	-245.9	-1300.1	-139.5
2239	ok	0.09	0.2	2.78e-02	5.7	5.7	7.1	7.1	-104.4	-21.5	-22.4	-144.1	-436.5	256.5
2240	ok	0.09	0.2	2.02e-02	5.7	5.7	7.1	7.1	-60.9	-47.6	-21.3	-313.3	-885.6	48.7
2241	ok	0.09	0.2	3.18e-02	5.7	5.7	7.1	7.1	-127.4	-86.1	-15.1	-456.7	-1580.6	210.2
2242	ok	0.09	0.2	2.06e-02	5.7	5.7	7.1	7.1	-39.9	-65.4	-10.2	-219.5	-1541.8	53.5
2243	ok	0.09	0.3	3.68e-02	5.7	5.7	7.1	7.1	112.9	167.0	-87.6	-743.7	1184.0	-1.2
2244	ok	0.09	0.2	3.18e-02	5.7	5.7	7.1	7.1	-60.0	116.3	-27.8	465.4	1390.9	-221.3
2245	ok	0.09	0.1	5.09e-02	5.7	5.7	7.1	7.1	-202.6	13.2	-44.1	103.5	147.7	19.9
2246	ok	0.09	0.1	3.32e-02	5.7	5.7	7.1	7.1	-17.9	-38.8	25.8	-287.3	-953.4	-98.2
2247	ok	0.09	0.1	2.13e-02	5.7	5.7	7.1	7.1	-28.0	-40.1	10.6	-346.3	-970.5	-75.3
2248	ok	0.09	0.1	1.48e-02	5.7	5.7	7.1	7.1	-23.7	-44.5	11.2	-273.4	-970.7	-91.1
2249	ok	0.09	0.1	1.70e-02	5.7	5.7	7.1	7.1	-21.6	-63.8	-8.0	-248.2	-681.8	70.4
2250	ok	0.09	0.2	1.93e-02	5.7	5.7	7.1	7.1	-33.0	55.0	-35.5	12.5	912.0	63.3
2251	ok	0.09	0.1	7.21e-02	5.7	5.7	7.1	7.1	-259.6	-5.3	109.3	149.8	292.4	-44.2
2252	ok	0.09	0.1	4.31e-02	5.7	5.7	7.1	7.1	-160.8	15.7	59.4	184.3	340.3	-83.0
2253	ok	0.09	0.1	2.63e-02	5.7	5.7	7.1	7.1	6.8	-48.7	-11.6	-324.8	-635.8	12.0
2254	ok	0.09	9.76e-02	1.59e-02	5.7	5.7	7.1	7.1	9.0	-48.2	-10.5	-242.1	-573.8	31.5
2255	ok	0.09	9.09e-02	1.55e-02	5.7	5.7	7.1	7.1	-38.9	46.0	14.8	234.5	343.1	-131.4
2256	ok	0.09	9.83e-02	2.24e-02	5.7	5.7	7.1	7.1	-29.2	73.9	-6.9	118.7	500.1	127.5
2257	ok	0.09	0.1	7.49e-02	5.7	5.7	7.1	7.1	-206.2	-5.9	110.2	183.2	351.9	-100.2
2258	ok	0.09	0.1	4.74e-02	5.7	5.7	7.1	7.1	-89.2	25.9	37.1	239.1	388.7	-154.2
2259	ok	0.09	0.1	2.93e-02	5.7	5.7	7.1	7.1	-92.2	17.8	36.4	309.2	458.8	-179.8
2260	ok	0.09	0.1	1.79e-02	5.7	5.7	7.1	7.1	-60.4	27.6	24.0	293.3	378.2	-195.8
2261	ok	0.09	9.81e-02	1.48e-02	5.7	5.7	7.1	7.1	-41.3	39.4	23.1	229.9	396.6	-147.2
2262	ok	0.09	9.76e-02	1.55e-02	5.7	5.7	7.1	7.1	-27.8	70.8	-2.2	188.3	628.0	-32.6
2263	ok	0.09	0.1	5.49e-02	5.7	5.7	7.1	7.1	-78.4	-12.8	99.3	258.3	387.0	-122.4
2264	ok	0.09	0.1	4.38e-02	5.7	5.7	7.1	7.1	-84.7	-4.5	99.2	317.1	427.8	-146.2
2265	ok	0.09	0.1	2.74e-02	5.7	5.7	7.1	7.1	-65.2	11.0	60.9	325.7	435.1	-180.4
2266	ok	0.09	0.1	1.79e-02	5.7	5.7	7.1	7.1	-49.6	25.6	38.5	298.8	354.1	-196.9
2267	ok	0.09	0.1	1.32e-02	5.7	5.7	7.1	7.1	-35.9	41.5	25.9	232.9	413.1	-203.4
2268	ok	0.09	8.51e-02	1.65e-02	5.7	5.7	7.1	7.1	-23.5	66.3	9.3	137.4	371.9	-27.5
2269	ok	0.09	0.1	5.04e-02	5.7	5.7	7.1	7.1	-15.4	-67.4	109.1	312.8	445.2	-117.8
2270	ok	0.09	0.1	3.54e-02	5.7	5.7	7.1	7.1	-13.2	-24.1	113.3	351.5	435.0	-141.8
2271	ok	0.09	0.1	2.25e-02	5.7	5.7	7.1	7.1	-34.3	-0.5	71.0	300.8	419.4	-172.7
2272	ok	0.09	0.1	1.60e-02	5.7	5.7	7.1	7.1	-36.3	19.1	47.2	311.1	357.4	-196.6
2273	ok	0.09	0.1	1.30e-02	5.7	5.7	7.1	7.1	-27.4	54.6	18.9	117.1	269.8	-60.0
2274	ok	0.09	8.71e-02	1.41e-02	5.7	5.7	7.1	7.1	-20.9	64.4	12.3	165.8	454.5	-108.3
2275	ok	0.09	0.1	5.80e-02	5.7	5.7	7.1	7.1	-60.1	89.7	-118.8	-388.0	-453.8	-45.9
2276	ok	0.09	0.1	3.50e-02	5.7	5.7	7.1	7.1	-23.4	-54.2	61.0	332.8	421.0	-138.1
2277	ok	0.09	0.1	2.20e-02	5.7	5.7	7.1	7.1	-14.6	-12.4	66.3	374.6	417.2	-156.4
2278	ok	0.09	0.1	1.54e-02	5.7	5.7	7.1	7.1	-25.3	13.1	49.1	260.7	334.8	-182.8
2279	ok	0.09	0.1	1.26e-02	5.7	5.7	7.1	7.1	-24.8	48.2	23.3	130.4	257.7	-62.4
2280	ok	0.09	7.80e-02	1.50e-02	5.7	5.7	7.1	7.1	-17.8	59.8	19.7	115.7	331.0	-17.6
2281	ok	0.09	0.1	5.01e-02	5.7	5.7	7.1	7.1	-69.2	109.3	-76.2	-402.7	-436.8	-53.9
2282	ok	0.09	0.1	2.56e-02	5.7	5.7	7.1	7.1	-26.2	55.2	-65.0	-408.2	-381.3	-53.2
2283	ok	0.09	0.1	1.79e-02	5.7	5.7	7.1	7.1	-14.7	-19.5	33.8	390.5	404.3	-83.0
2284	ok	0.09	0.1	1.38e-02	5.7	5.7	7.1	7.1	-23.0	6.4	47.1	235.5	339.1	-155.3
2285	ok	0.09	0.1	1.23e-02	5.7	5.7	7.1	7.1	-22.0	42.8	26.9	121.3	182.9	10.5
2286	ok	0.09	7.85e-02	1.62e-02	5.7	5.7	7.1	7.1	-16.8	56.6	23.2	130.9	418.8	-131.1
2287	ok	0.09	0.2	5.66e-02	5.7	5.7	7.1	7.1	-210.6	-65.7	-14.5	548.2	394.0	-83.4
2288	ok	0.09	0.2	6.81e-02	5.7	5.7	7.1	7.1	-181.1	-45.8	82.4	547.2	398.7	-96.8
2289	ok	0.09	0.1	3.11e-02	5.7	5.7	7.1	7.1	-94.4	-26.5	60.4	419.4	395.2	-48.2
2290	ok	0.09	0.2	4.17e-02	5.7	5.7	7.1	7.1	-96.7	-30.0	63.7	485.2	398.3	-85.5
2291	ok	0.09	0.1	2.30e-02	5.7	5.7	7.1	7.1	-56.5	-16.8	44.5	386.2	421.9	-93.0
2292	ok	0.09	0.1	2.66e-02	5.7	5.7	7.1	7.1	-50.4	-14.3	60.8	398.4	424.3	-100.5
2293	ok	0.09	0.1	1.70e-02	5.7	5.7	7.1	7.1	-36.0	3.8	50.3	316.4	391.3	-78.7
2294	ok	0.09	0.1	1.84e-02	5.7	5.7	7.1	7.1	-31.6	1.6	60.0	325.7	458.0	-81.4
2295	ok	0.09	9.67e-02	1.47e-02	5.7	5.7	7.1	7.1	-24.4	42.0	43.1	185.5	474.0	82.3

2296	ok	0.09	9.36e-02	2.31e-02	5.7	5.7	7.1	7.1	-8.0	46.2	46.1	257.3	490.2	104.9
2297	ok	0.09	9.53e-02	1.63e-02	5.7	5.7	7.1	7.1	-12.0	45.2	36.0	235.4	510.7	-132.3
2298	ok	0.09	0.3	2.42e-02	5.7	5.7	7.1	7.1	-18.7	-46.7	67.8	528.5	1875.3	45.6
2299	ok	0.09	0.2	5.31e-02	5.7	5.7	7.1	7.1	-42.4	-38.5	87.8	-68.5	130.8	-65.4
2300	ok	0.09	0.2	4.19e-02	5.7	5.7	7.1	7.1	-26.1	-31.0	76.5	325.6	365.2	-95.0
2301	ok	0.09	0.2	2.61e-02	5.7	5.7	7.1	7.1	-27.7	-15.7	76.0	376.9	388.5	-105.6
2302	ok	0.09	0.1	1.70e-02	5.7	5.7	7.1	7.1	-19.5	3.9	62.5	257.8	466.2	-150.7
2303	ok	0.09	0.1	2.05e-02	5.7	5.7	7.1	7.1	-18.5	41.4	55.5	294.4	588.9	-436.6
2304	ok	0.09	0.3	4.34e-02	5.7	5.7	7.1	7.1	-31.6	-59.3	75.8	611.8	2100.1	-564.2
2305	ok	0.09	0.2	5.23e-02	5.7	5.7	7.1	7.1	-39.1	100.5	-106.9	-334.7	-129.6	31.8
2306	ok	0.09	0.2	3.50e-02	5.7	5.7	7.1	7.1	-1.2	-52.0	79.4	373.5	342.3	-105.6
2307	ok	0.09	0.2	2.30e-02	5.7	5.7	7.1	7.1	-9.45e-02	-23.3	81.1	438.8	352.1	-119.7
2308	ok	0.09	0.1	1.85e-02	5.7	5.7	7.1	7.1	-5.2	6.9	64.4	365.8	304.1	-145.6
2309	ok	0.09	0.1	2.13e-02	5.7	5.7	7.1	7.1	-28.0	48.4	63.1	186.7	466.8	-118.6
2310	ok	0.09	0.2	4.57e-02	5.7	5.7	7.1	7.1	-6.4	210.2	-17.4	-56.7	-853.7	-173.0
2311	ok	0.09	0.2	6.40e-02	5.7	5.7	7.1	7.1	-91.7	108.1	-70.5	-302.1	-109.5	44.2
2312	ok	0.09	0.2	3.80e-02	5.7	5.7	7.1	7.1	-50.8	62.8	-78.5	-286.2	-218.4	-2.2
2313	ok	0.09	0.2	2.46e-02	5.7	5.7	7.1	7.1	-59.5	29.3	-75.4	-220.2	-180.6	-3.8
2314	ok	0.09	0.1	1.85e-02	5.7	5.7	7.1	7.1	-19.7	41.9	-32.7	-284.7	-244.5	4.0
2315	ok	0.09	8.90e-02	2.05e-02	5.7	5.7	7.1	7.1	-20.1	78.4	43.7	22.6	-75.2	-155.1
2316	ok	0.09	7.37e-02	2.66e-02	5.7	5.7	7.1	7.1	-12.4	125.4	44.3	199.4	307.6	-141.2
2317	ok	0.09	0.2	5.80e-02	5.7	5.7	7.1	7.1	-105.6	84.2	-29.4	-287.0	-104.5	53.4
2318	ok	0.09	0.2	3.00e-02	5.7	5.7	7.1	7.1	-52.9	78.2	-60.2	-280.3	-193.6	-0.2
2319	ok	0.09	0.2	2.08e-02	5.7	5.7	7.1	7.1	-59.8	37.0	-57.4	-204.0	-145.2	-6.4
2320	ok	0.09	0.1	1.70e-02	5.7	5.7	7.1	7.1	-21.1	44.0	-29.0	-257.0	-208.9	-0.5
2321	ok	0.09	8.23e-02	1.80e-02	5.7	5.7	7.1	7.1	-7.7	72.8	41.7	70.1	12.8	-75.6
2322	ok	0.09	5.91e-02	2.75e-02	5.7	5.7	7.1	7.1	-12.5	142.6	9.4	5.3	-238.7	-98.5
2323	ok	0.09	0.2	5.67e-02	5.7	5.7	7.1	7.1	-105.8	-70.7	21.1	-98.0	-3.3	-68.4
2324	ok	0.09	0.2	7.15e-02	5.7	5.7	7.1	7.1	-100.1	-46.1	56.8	-120.3	-14.4	-64.8
2325	ok	0.09	0.2	2.93e-02	5.7	5.7	7.1	7.1	-56.2	-26.9	48.0	-107.8	-16.5	49.7
2326	ok	0.09	0.2	4.11e-02	5.7	5.7	7.1	7.1	-57.0	-30.6	51.0	-113.4	-20.3	-44.0
2327	ok	0.09	0.2	2.07e-02	5.7	5.7	7.1	7.1	-32.3	-23.4	45.9	292.2	125.8	-52.7
2328	ok	0.09	0.2	2.62e-02	5.7	5.7	7.1	7.1	-32.0	-18.6	51.5	277.8	110.7	-38.4
2329	ok	0.09	0.1	1.51e-02	5.7	5.7	7.1	7.1	-27.8	1.1	44.9	334.4	116.7	-51.0
2330	ok	0.09	0.1	1.78e-02	5.7	5.7	7.1	7.1	-30.0	-0.4	50.4	325.5	111.8	-33.1
2331	ok	0.09	9.63e-02	1.46e-02	5.7	5.7	7.1	7.1	-19.5	60.6	35.4	41.2	-41.7	67.4
2332	ok	0.09	9.79e-02	1.42e-02	5.7	5.7	7.1	7.1	-17.7	79.5	6.2	88.2	-75.6	35.6
2333	ok	0.09	5.09e-02	1.91e-02	5.7	5.7	7.1	7.1	-10.8	120.4	2.99e-03	202.1	-129.1	14.4
2334	ok	0.09	5.51e-02	1.92e-02	5.7	5.7	7.1	7.1	-10.7	120.0	-2.8	249.5	-84.8	158.6
2335	ok	0.09	0.2	5.61e-02	5.7	5.7	7.1	7.1	-56.4	-49.4	92.6	-161.4	-20.6	-56.0
2336	ok	0.09	0.2	4.26e-02	5.7	5.7	7.1	7.1	-41.0	-39.6	66.9	-136.8	-29.2	-39.4
2337	ok	0.09	0.2	2.74e-02	5.7	5.7	7.1	7.1	-27.0	-22.6	57.6	269.7	100.5	-27.3
2338	ok	0.09	0.1	1.88e-02	5.7	5.7	7.1	7.1	-17.8	46.3	-20.5	-255.9	-176.0	-44.8
2339	ok	0.09	7.77e-02	1.47e-02	5.7	5.7	7.1	7.1	-17.6	79.4	7.2	88.2	-92.9	55.6
2340	ok	0.09	4.64e-02	1.92e-02	5.7	5.7	7.1	7.1	-11.2	116.8	3.1	246.2	-89.7	21.7
2341	ok	0.09	0.2	5.40e-02	5.7	5.7	7.1	7.1	-1.3	-97.6	106.6	-183.6	-29.9	-48.2
2342	ok	0.09	0.2	3.34e-02	5.7	5.7	7.1	7.1	-38.6	64.4	-97.1	393.2	128.7	19.5
2343	ok	0.09	0.2	2.47e-02	5.7	5.7	7.1	7.1	-21.0	-31.9	60.6	258.9	91.3	-20.7
2344	ok	0.09	0.1	1.83e-02	5.7	5.7	7.1	7.1	-19.0	48.7	-21.2	-272.3	-174.6	-55.8
2345	ok	0.09	8.04e-02	1.46e-02	5.7	5.7	7.1	7.1	-15.7	72.3	-23.6	-212.0	-157.5	-22.5
2346	ok	0.09	5.08e-02	1.85e-02	5.7	5.7	7.1	7.1	-10.7	116.8	8.2	272.6	-69.5	-60.9
2347	ok	0.09	0.2	5.72e-02	5.7	5.7	7.1	7.1	-153.8	101.6	-75.3	360.5	175.7	54.5
2348	ok	0.09	0.2	3.30e-02	5.7	5.7	7.1	7.1	-76.9	68.7	-63.5	385.3	136.8	23.4
2349	ok	0.09	0.2	2.31e-02	5.7	5.7	7.1	7.1	-8.3	-27.5	70.6	-108.0	-66.4	-25.4
2350	ok	0.09	0.1	1.80e-02	5.7	5.7	7.1	7.1	-20.8	51.4	-21.2	-250.8	-165.0	-52.2
2351	ok	0.09	7.63e-02	1.42e-02	5.7	5.7	7.1	7.1	-17.3	72.2	-20.8	-192.5	-153.8	-60.4
2352	ok	0.09	5.45e-02	1.85e-02	5.7	5.7	7.1	7.1	-11.1	113.4	5.7	243.0	-93.6	21.6
2353	ok	0.09	0.2	4.79e-02	5.7	5.7	7.1	7.1	-172.0	80.2	12.7	380.3	182.4	54.9
2354	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-75.9	61.6	-33.8	413.6	148.4	29.6
2355	ok	0.09	0.2	2.16e-02	5.7	5.7	7.1	7.1	-12.5	-29.6	43.0	-127.0	-75.5	17.7
2356	ok	0.09	0.1	1.79e-02	5.7	5.7	7.1	7.1	-14.6	38.8	-46.7	-36.5	-35.2	-40.2
2357	ok	0.09	7.91e-02	1.37e-02	5.7	5.7	7.1	7.1	-18.8	75.0	13.5	-209.5	-155.3	54.9
2358	ok	0.09	5.07e-02	1.77e-02	5.7	5.7	7.1	7.1	-10.6	113.6	11.1	269.1	-74.3	-74.5
2359	ok	0.09	0.2	4.74e-02	5.7	5.7	7.1	7.1	-97.2	-78.8	37.4	-238.8	-88.5	-54.5
2360	ok	0.09	0.2	6.37e-02	5.7	5.7	7.1	7.1	-98.6	-52.9	62.1	-257.8	-97.2	-54.9
2361	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-57.4	-35.8	61.1	-225.2	-81.1	4.1
2362	ok	0.09	0.2	3.88e-02	5.7	5.7	7.1	7.1	-61.6	-40.4	65.9	-233.3	-79.5	-34.7
2363	ok	0.09	0.2	2.34e-02	5.7	5.7	7.1	7.1	-34.3	-38.0	55.2	200.0	87.3	-10.0
2364	ok	0.09	0.2	2.80e-02	5.7	5.7	7.1	7.1	-41.4	-20.8	69.5	-173.6	-105.4	11.8
2365	ok	0.09	0.1	1.97e-02	5.7	5.7	7.1	7.1	-30.7	-26.2	54.0	253.5	115.2	0.4
2366	ok	0.09	0.1	2.21e-02	5.7	5.7	7.1	7.1	-22.7	-26.8	55.3	135.9	85.2	26.3
2367	ok	0.09	7.71e-02	1.70e-02	5.7	5.7	7.1	7.1	-19.1	73.1	17.5	138.9	-88.3	188.4
2368	ok	0.09	7.34e-02	1.86e-02	5.7	5.7	7.1	7.1	-22.8	67.2	30.3	-178.8	-160.0	46.2
2369	ok	0.09	5.53e-02	1.70e-02	5.7	5.7	7.1	7.1	-12.3	103.0	13.6	308.5	-33.6	46.8
2370	ok	0.09	5.74e-02	1.71e-02	5.7	5.7	7.1	7.1	-10.9	103.3	18.8	286.7	-60.1	-136.6
2371	ok	0.09	0.2	4.83e-02	5.7	5.7	7.1	7.1	-66.1	-45.8	90.0	-284.8	-106.4	-50.6
2372	ok	0.09	0.2	4.05e-02	5.7	5.7	7.1	7.1	-52.8	-50.0	84.7	-257.9	-134.8	-4.3

2373	ok	0.09	0.2	2.95e-02	5.7	5.7	7.1	7.1	-52.2	-27.5	83.1	-195.4	-141.6	-2.9
2374	ok	0.09	0.1	2.37e-02	5.7	5.7	7.1	7.1	-20.7	-27.5	58.7	122.6	86.2	63.9
2375	ok	0.09	9.79e-02	2.10e-02	5.7	5.7	7.1	7.1	-21.9	66.9	33.2	-195.6	-162.7	18.5
2376	ok	0.09	6.40e-02	1.70e-02	5.7	5.7	7.1	7.1	-10.5	98.5	20.7	327.5	-36.0	-137.8
2377	ok	0.09	0.2	4.28e-02	5.7	5.7	7.1	7.1	-21.0	77.5	-108.5	477.2	300.5	55.4
2378	ok	0.09	0.2	3.32e-02	5.7	5.7	7.1	7.1	-24.1	-45.4	104.3	-302.6	-125.0	-32.4
2379	ok	0.09	0.2	2.80e-02	5.7	5.7	7.1	7.1	-34.1	-28.4	78.2	-211.5	-200.9	-10.0
2380	ok	0.09	0.1	2.40e-02	5.7	5.7	7.1	7.1	-32.5	-11.8	77.8	-140.9	-131.1	-18.5
2381	ok	0.09	0.1	2.19e-02	5.7	5.7	7.1	7.1	-21.2	62.9	37.0	-171.4	-162.5	-2.3
2382	ok	0.09	5.65e-02	2.36e-02	5.7	5.7	7.1	7.1	-11.5	114.6	1.3	240.5	-135.2	38.5
2383	ok	0.09	0.2	3.66e-02	5.7	5.7	7.1	7.1	-99.2	52.0	-57.9	452.4	375.6	70.1
2384	ok	0.09	0.2	3.01e-02	5.7	5.7	7.1	7.1	-40.6	41.9	-69.0	437.5	347.2	69.8
2385	ok	0.09	0.2	2.63e-02	5.7	5.7	7.1	7.1	-22.9	-29.5	78.6	-262.2	-247.4	1.5
2386	ok	0.09	0.1	2.38e-02	5.7	5.7	7.1	7.1	-26.6	-10.9	77.0	-143.9	-250.6	-25.4
2387	ok	0.09	9.01e-02	2.27e-02	5.7	5.7	7.1	7.1	-8.8	60.2	-64.1	120.1	105.5	134.9
2388	ok	0.09	6.98e-02	2.44e-02	5.7	5.7	7.1	7.1	-12.4	88.2	-63.0	189.5	217.7	138.0
2389	ok	0.09	0.2	3.05e-02	5.7	5.7	7.1	7.1	-86.7	42.4	-19.4	443.2	401.2	64.5
2390	ok	0.09	0.2	2.86e-02	5.7	5.7	7.1	7.1	-39.6	40.2	-58.7	420.2	372.3	68.9
2391	ok	0.09	0.1	2.51e-02	5.7	5.7	7.1	7.1	-20.0	-26.5	77.4	-243.9	-303.5	10.8
2392	ok	0.09	0.1	2.29e-02	5.7	5.7	7.1	7.1	-20.7	48.7	-61.7	81.8	215.8	86.6
2393	ok	0.09	0.1	2.36e-02	5.7	5.7	7.1	7.1	-21.7	29.2	-78.4	261.9	684.6	189.1
2394	ok	0.09	0.2	4.20e-02	5.7	5.7	7.1	7.1	0.9	172.5	-74.8	65.0	-897.9	97.8
2395	ok	0.09	0.2	2.67e-02	5.7	5.7	7.1	7.1	-69.2	-38.2	21.3	-725.9	-465.4	8.7
2396	ok	0.09	0.2	3.73e-02	5.7	5.7	7.1	7.1	-39.4	-21.9	58.5	-795.6	-450.8	-19.4
2397	ok	0.09	0.1	2.57e-02	5.7	5.7	7.1	7.1	-21.2	-27.5	77.8	-180.1	-248.7	47.0
2398	ok	0.09	0.2	2.66e-02	5.7	5.7	7.1	7.1	-34.3	-28.4	80.4	-282.1	-249.3	50.6
2399	ok	0.09	0.1	2.42e-02	5.7	5.7	7.1	7.1	-18.9	-23.3	76.1	-119.4	-292.3	59.0
2400	ok	0.09	0.1	2.37e-02	5.7	5.7	7.1	7.1	-15.7	-23.1	79.2	-130.9	-268.3	77.9
2401	ok	0.09	0.1	2.20e-02	5.7	5.7	7.1	7.1	-28.3	39.4	-55.1	-7.5	373.8	20.4
2402	ok	0.09	0.1	2.24e-02	5.7	5.7	7.1	7.1	-26.1	42.3	-58.4	31.2	296.7	-54.9
2403	ok	0.09	8.51e-02	2.81e-02	5.7	5.7	7.1	7.1	-0.1	55.7	-54.0	314.6	513.8	-22.7
2404	ok	0.09	9.86e-02	2.14e-02	5.7	5.7	7.1	7.1	-8.7	52.2	-50.6	224.0	473.5	-181.4
2405	ok	0.09	0.4	3.93e-02	5.7	5.7	7.1	7.1	-13.5	-115.7	1.8	659.7	2258.3	83.9
2406	ok	0.09	0.2	2.42e-02	5.7	5.7	7.1	7.1	5.3	78.8	64.8	-113.5	-1030.2	210.3
2407	ok	0.09	0.1	3.08e-02	5.7	5.7	7.1	7.1	-24.2	-23.4	57.2	-750.3	-379.3	-44.9
2408	ok	0.09	0.2	2.78e-02	5.7	5.7	7.1	7.1	-26.4	15.8	-72.0	295.8	368.9	77.1
2409	ok	0.09	0.1	2.31e-02	5.7	5.7	7.1	7.1	-28.9	18.4	-73.9	357.9	370.0	73.0
2410	ok	0.09	0.1	2.24e-02	5.7	5.7	7.1	7.1	-15.0	39.5	-59.5	88.4	195.8	-87.4
2411	ok	0.09	7.85e-02	2.04e-02	5.7	5.7	7.1	7.1	-15.3	43.6	-61.5	156.0	171.2	-122.7
2412	ok	0.09	0.2	3.17e-02	5.7	5.7	7.1	7.1	-4.5	131.9	-9.6	-238.8	-946.3	124.6
2413	ok	0.09	0.1	2.96e-02	5.7	5.7	7.1	7.1	-41.2	25.3	-99.0	361.9	408.0	88.5
2414	ok	0.09	0.1	2.60e-02	5.7	5.7	7.1	7.1	-50.9	11.3	-74.2	406.8	420.4	99.3
2415	ok	0.09	0.1	2.17e-02	5.7	5.7	7.1	7.1	-37.8	17.6	-71.0	382.4	340.4	105.9
2416	ok	0.09	0.1	2.03e-02	5.7	5.7	7.1	7.1	-32.2	35.4	-53.8	93.8	117.1	31.4
2417	ok	0.09	0.1	1.90e-02	5.7	5.7	7.1	7.1	-13.8	64.3	-54.8	-148.7	-248.1	273.1
2418	ok	0.09	0.2	2.99e-02	5.7	5.7	7.1	7.1	3.9	139.6	1.2	-331.2	-1062.9	-375.7
2419	ok	0.09	0.2	4.32e-02	5.7	5.7	7.1	7.1	-132.7	-1.6	-50.8	484.5	445.0	110.9
2420	ok	0.09	0.1	2.67e-02	5.7	5.7	7.1	7.1	-68.2	9.6	-57.9	379.5	407.2	118.4
2421	ok	0.09	0.1	2.17e-02	5.7	5.7	7.1	7.1	-46.3	16.2	-64.8	377.1	355.1	143.7
2422	ok	0.09	0.1	1.92e-02	5.7	5.7	7.1	7.1	-37.0	38.4	-49.2	106.6	124.1	65.3
2423	ok	0.09	9.86e-02	2.07e-02	5.7	5.7	7.1	7.1	-31.2	40.4	-48.9	128.5	182.2	102.8
2424	ok	0.09	9.13e-02	2.22e-02	5.7	5.7	7.1	7.1	-22.1	2.7	-54.4	146.1	583.3	6.0
2425	ok	0.09	0.1	3.11e-02	5.7	5.7	7.1	7.1	-73.5	-4.8	-52.7	302.0	440.9	122.7
2426	ok	0.09	0.1	2.19e-02	5.7	5.7	7.1	7.1	-64.6	7.3	-48.6	368.8	401.9	140.1
2427	ok	0.09	0.1	2.07e-02	5.7	5.7	7.1	7.1	-49.4	15.3	-58.8	360.8	367.4	171.8
2428	ok	0.09	0.1	1.85e-02	5.7	5.7	7.1	7.1	-41.3	35.6	-45.3	113.9	204.1	83.5
2429	ok	0.09	0.1	1.70e-02	5.7	5.7	7.1	7.1	-29.4	47.0	-43.3	113.3	166.4	85.4
2430	ok	0.09	8.41e-02	1.51e-02	5.7	5.7	7.1	7.1	-19.9	32.8	-38.7	163.2	405.2	141.0
2431	ok	0.09	0.1	2.28e-02	5.7	5.7	7.1	7.1	-37.3	27.3	52.6	-534.3	-355.8	28.8
2432	ok	0.09	0.1	3.66e-02	5.7	5.7	7.1	7.1	-43.9	-52.3	-59.7	225.9	365.1	175.7
2433	ok	0.09	0.1	2.07e-02	5.7	5.7	7.1	7.1	-46.7	-2.6	-50.1	311.7	396.0	176.1
2434	ok	0.09	0.1	2.37e-02	5.7	5.7	7.1	7.1	-33.2	1.5	-67.8	249.3	383.6	191.7
2435	ok	0.09	0.1	1.92e-02	5.7	5.7	7.1	7.1	-45.5	14.8	-57.4	313.2	387.4	198.1
2436	ok	0.09	0.1	2.00e-02	5.7	5.7	7.1	7.1	-49.7	16.7	-58.1	334.3	386.8	208.8
2437	ok	0.09	0.1	1.81e-02	5.7	5.7	7.1	7.1	-40.1	25.1	-54.9	267.8	318.3	209.2
2438	ok	0.09	0.1	1.78e-02	5.7	5.7	7.1	7.1	-44.8	27.5	-50.2	295.6	297.3	207.9
2439	ok	0.09	0.1	1.53e-02	5.7	5.7	7.1	7.1	-32.0	50.1	-34.9	112.9	268.3	57.8
2440	ok	0.09	0.1	1.49e-02	5.7	5.7	7.1	7.1	-33.7	38.0	-42.7	220.5	339.4	191.3
2441	ok	0.09	8.19e-02	1.37e-02	5.7	5.7	7.1	7.1	-19.0	62.9	-26.0	192.0	362.7	77.6
2442	ok	0.09	8.72e-02	1.66e-02	5.7	5.7	7.1	7.1	-23.0	64.2	-24.1	146.4	284.9	1.4
2443	ok	0.09	0.1	3.34e-02	5.7	5.7	7.1	7.1	-49.6	-20.3	-75.7	230.0	315.1	171.5
2444	ok	0.09	0.1	2.69e-02	5.7	5.7	7.1	7.1	25.6	-38.9	61.1	-367.1	-454.7	-14.5
2445	ok	0.09	0.1	2.19e-02	5.7	5.7	7.1	7.1	-59.3	19.2	-53.4	308.4	388.5	215.8
2446	ok	0.09	0.1	1.76e-02	5.7	5.7	7.1	7.1	-49.0	28.4	-43.0	295.4	291.3	212.4
2447	ok	0.09	0.1	1.59e-02	5.7	5.7	7.1	7.1	-37.9	35.9	-40.5	235.0	325.9	140.1
2448	ok	0.09	8.53e-02	1.60e-02	5.7	5.7	7.1	7.1	-26.9	66.0	-19.0	182.2	478.1	110.2
2449	ok	0.09	8.58e-02	4.24e-02	5.7	5.7	7.1	7.1	58.6	-61.4	67.1	-285.8	-490.6	18.9

2450	ok	0.09	0.1	3.56e-02	5.7	5.7	7.1	7.1	33.6	-36.5	60.0	-367.5	-533.7	-58.4
2451	ok	0.09	0.1	2.37e-02	5.7	5.7	7.1	7.1	-74.1	19.3	-39.4	291.5	307.4	209.3
2452	ok	0.09	9.74e-02	1.70e-02	5.7	5.7	7.1	7.1	-53.6	28.9	-33.2	301.3	299.2	230.7
2453	ok	0.09	9.18e-02	1.67e-02	5.7	5.7	7.1	7.1	-37.9	40.3	-30.7	250.7	314.3	194.5
2454	ok	0.09	7.82e-02	2.26e-02	5.7	5.7	7.1	7.1	-16.6	100.3	10.3	-134.8	-222.9	153.6
2455	ok	0.09	0.1	6.61e-02	5.7	5.7	7.1	7.1	-211.5	9.7	-135.2	131.2	177.8	72.8
2456	ok	0.09	0.1	3.77e-02	5.7	5.7	7.1	7.1	-133.2	15.5	-63.9	176.2	258.8	108.5
2457	ok	0.09	0.1	2.29e-02	5.7	5.7	7.1	7.1	-84.0	14.8	-16.6	236.3	348.6	183.4
2458	ok	0.09	0.1	1.70e-02	5.7	5.7	7.1	7.1	-0.6	-51.7	19.6	-265.5	-574.1	-62.0
2459	ok	0.09	8.33e-02	1.82e-02	5.7	5.7	7.1	7.1	-39.3	40.0	-27.4	277.1	296.6	152.1
2460	ok	0.09	0.1	2.02e-02	5.7	5.7	7.1	7.1	-27.8	41.4	21.6	-38.8	732.6	-103.7
2461	ok	0.09	0.1	5.81e-02	5.7	5.7	7.1	7.1	-225.7	33.3	24.1	85.9	-18.0	-87.8
2462	ok	0.09	0.1	3.10e-02	5.7	5.7	7.1	7.1	15.8	-38.7	-33.3	-193.4	-913.3	60.5
2463	ok	0.09	0.1	1.89e-02	5.7	5.7	7.1	7.1	-19.1	-38.5	-17.6	-233.7	-961.0	115.7
2464	ok	0.09	0.1	1.71e-02	5.7	5.7	7.1	7.1	-23.7	-43.6	27.0	-330.1	-799.1	-100.9
2465	ok	0.09	0.1	1.96e-02	5.7	5.7	7.1	7.1	-23.7	-64.5	23.5	-243.1	-785.5	-96.9
2466	ok	0.09	0.1	2.32e-02	5.7	5.7	7.1	7.1	-11.8	-39.9	9.5	-56.8	-724.1	97.3
2467	ok	0.09	0.1	2.25e-02	5.7	5.7	7.1	7.1	-69.7	-10.0	-45.1	291.9	449.8	136.7
2468	ok	0.09	0.1	2.10e-02	5.7	5.7	7.1	7.1	-57.3	1.01e-02	-45.6	343.6	399.9	157.8
2469	ok	0.09	0.1	1.95e-02	5.7	5.7	7.1	7.1	-47.8	14.4	-56.6	335.1	381.5	186.8
2470	ok	0.09	0.1	1.82e-02	5.7	5.7	7.1	7.1	-39.2	23.1	-57.9	281.5	314.6	206.5
2471	ok	0.09	0.1	1.59e-02	5.7	5.7	7.1	7.1	-32.0	46.5	-39.3	121.2	254.8	85.2
2472	ok	0.09	8.24e-02	1.45e-02	5.7	5.7	7.1	7.1	-20.7	35.9	-37.0	167.4	335.6	64.0
2473	ok	0.09	0.2	3.00e-02	5.7	5.7	7.1	7.1	-52.4	108.8	26.3	467.6	194.5	11.7
2474	ok	0.09	0.2	2.60e-02	5.7	5.7	7.1	7.1	-32.5	73.3	-25.7	370.2	154.9	5.1
2475	ok	0.09	0.2	2.12e-02	5.7	5.7	7.1	7.1	-33.2	-32.5	48.6	-147.5	-79.0	-25.7
2476	ok	0.09	0.1	1.81e-02	5.7	5.7	7.1	7.1	-22.8	-24.3	49.3	276.8	118.3	23.6
2477	ok	0.09	7.44e-02	1.48e-02	5.7	5.7	7.1	7.1	-20.5	73.3	22.8	-182.5	-156.8	64.0
2478	ok	0.09	4.64e-02	1.73e-02	5.7	5.7	7.1	7.1	-12.6	106.3	7.9	259.4	-47.4	48.4
2479	ok	0.09	0.1	2.61e-02	5.7	5.7	7.1	7.1	-54.9	-37.0	14.6	-654.2	-455.8	35.6
2480	ok	0.09	0.2	2.71e-02	5.7	5.7	7.1	7.1	-33.1	41.7	-55.1	370.2	373.6	44.3
2481	ok	0.09	0.1	2.43e-02	5.7	5.7	7.1	7.1	-19.3	-26.3	74.3	-123.0	-283.9	48.5
2482	ok	0.09	0.1	2.29e-02	5.7	5.7	7.1	7.1	-23.2	41.2	-61.5	-27.9	384.7	77.8
2483	ok	0.09	0.2	2.59e-02	5.7	5.7	7.1	7.1	-14.3	23.4	-71.3	360.0	798.0	440.2
2484	ok	0.09	0.4	4.28e-02	5.7	5.7	7.1	7.1	-34.8	-126.6	-89.3	722.2	2443.1	539.2
2485	ok	0.09	0.2	3.13e-02	5.7	5.7	7.1	7.1	-54.4	34.9	-16.1	-277.6	-106.1	102.5
2486	ok	0.09	0.2	2.20e-02	5.7	5.7	7.1	7.1	-35.0	36.5	-37.6	-256.2	-111.9	26.3
2487	ok	0.09	0.2	1.76e-02	5.7	5.7	7.1	7.1	-31.0	38.2	-36.0	-198.0	-64.0	-12.3
2488	ok	0.09	0.1	1.33e-02	5.7	5.7	7.1	7.1	-20.6	45.9	-24.0	-279.9	-207.4	-23.1
2489	ok	0.09	9.81e-02	1.61e-02	5.7	5.7	7.1	7.1	-18.6	71.8	30.4	16.8	-65.6	-64.7
2490	ok	0.09	6.33e-02	2.05e-02	5.7	5.7	7.1	7.1	-11.0	121.5	-6.8	224.0	-124.6	158.3
2491	ok	0.09	0.2	2.82e-02	5.7	5.7	7.1	7.1	-22.0	95.2	-24.7	-345.9	-394.2	-52.1
2492	ok	0.09	0.1	2.19e-02	5.7	5.7	7.1	7.1	-49.7	-54.0	40.2	311.0	426.7	-97.2
2493	ok	0.09	0.1	1.76e-02	5.7	5.7	7.1	7.1	-36.3	-12.4	37.7	356.1	413.1	-61.1
2494	ok	0.09	0.1	1.47e-02	5.7	5.7	7.1	7.1	-29.4	4.3	45.1	336.0	390.0	-42.5
2495	ok	0.09	9.53e-02	1.36e-02	5.7	5.7	7.1	7.1	-22.4	43.6	31.4	127.1	192.3	-11.3
2496	ok	0.09	7.21e-02	1.74e-02	5.7	5.7	7.1	7.1	-8.1	62.4	-30.0	221.7	-220.5	61.3
2497	ok	0.09	0.2	3.31e-02	5.7	5.7	7.1	7.1	-72.8	-34.1	-41.9	-258.7	-1060.4	213.6
2498	ok	0.09	0.2	2.38e-02	5.7	5.7	7.1	7.1	-71.3	-25.9	-21.3	-295.2	-1239.1	166.6
2499	ok	0.09	0.2	2.19e-02	5.7	5.7	7.1	7.1	-67.8	-27.3	-16.6	-255.5	-1302.1	115.7
2500	ok	0.09	0.2	2.20e-02	5.7	5.7	7.1	7.1	-65.0	-31.9	27.7	-347.9	-1051.7	-141.9
2501	ok	0.09	0.2	2.43e-02	5.7	5.7	7.1	7.1	-59.6	-62.6	24.3	-335.4	-1192.8	-145.0
2502	ok	0.09	0.3	3.06e-02	5.7	5.7	7.1	7.1	-73.0	-101.1	-39.7	-32.9	-1565.0	261.2
2503	ok	0.09	0.2	8.27e-02	5.7	5.7	7.1	7.1	-328.3	-82.9	-62.7	-162.7	-602.7	288.4
2504	ok	0.09	0.2	4.02e-02	5.7	5.7	7.1	7.1	-110.8	-28.0	-13.9	-286.0	-1354.8	133.7
2505	ok	0.09	0.2	2.78e-02	5.7	5.7	7.1	7.1	-106.1	-30.0	-12.0	-247.2	-1430.4	12.7
2506	ok	0.09	0.2	2.79e-02	5.7	5.7	7.1	7.1	-94.8	-31.5	28.8	-328.4	-1197.1	-130.7
2507	ok	0.09	0.2	3.78e-02	5.7	5.7	7.1	7.1	-148.4	-89.1	24.3	-453.9	-1513.1	-68.4
2508	ok	0.09	0.4	4.42e-02	5.7	5.7	7.1	7.1	73.2	157.0	77.6	-656.4	1840.5	107.8
3798	ok	0.09	0.1	1.80e-02	5.7	5.7	7.1	7.1	37.7	44.0	-54.8	47.1	779.0	-323.5
3799	ok	0.09	0.1	1.30e-02	5.7	5.7	7.1	7.1	-7.5	45.0	-33.8	-45.9	701.7	-219.0
3800	ok	0.09	0.1	8.46e-03	5.7	5.7	7.1	7.1	-4.1	27.1	-31.1	118.8	879.5	26.2
3801	ok	0.09	0.1	8.35e-03	5.7	5.7	7.1	7.1	1.7	36.6	-15.3	20.8	647.6	-194.9
3802	ok	0.09	0.1	3.09e-03	5.7	5.7	7.1	7.1	-3.0	3.1	-12.7	70.8	1055.2	96.6
3803	ok	0.09	9.00e-02	2.46e-03	5.7	5.7	7.1	7.1	-2.2	29.2	-1.8	24.2	571.8	-87.6
3804	ok	0.09	0.1	1.44e-02	5.7	5.7	7.1	7.1	-15.9	77.1	-28.5	36.1	609.7	-99.6
3805	ok	0.09	9.22e-02	1.02e-02	5.7	5.7	7.1	7.1	-14.0	63.9	-29.1	53.5	538.2	-126.3
3806	ok	0.09	7.79e-02	5.22e-03	5.7	5.7	7.1	7.1	-5.6	59.6	-8.5	22.8	502.6	-61.1
3807	ok	0.09	7.91e-02	1.47e-02	5.7	5.7	7.1	7.1	-21.8	82.7	-27.9	-16.7	371.4	-147.4
3808	ok	0.09	8.12e-02	1.25e-02	5.7	5.7	7.1	7.1	-5.0	86.4	-8.3	20.3	402.8	-128.7
3809	ok	0.09	7.38e-02	1.03e-02	5.7	5.7	7.1	7.1	-5.4	91.7	-8.4	29.6	410.1	-49.0
3810	ok	0.09	7.64e-02	1.52e-02	5.7	5.7	7.1	7.1	-10.5	92.7	-14.7	-4.2	324.0	-128.6
3811	ok	0.09	7.81e-02	1.45e-02	5.7	5.7	7.1	7.1	-9.9	99.7	-15.1	10.4	327.3	-129.4
3812	ok	0.09	6.74e-02	1.46e-02	5.7	5.7	7.1	7.1	-3.4	116.2	-6.1	11.7	319.5	-42.6
3813	ok	0.09	7.45e-02	1.51e-02	5.7	5.7	7.1	7.1	-13.6	92.8	-11.3	79.8	353.9	-77.0
3814	ok	0.09	7.14e-02	1.60e-02	5.7	5.7	7.1	7.1	-7.5	110.8	-9.6	33.0	284.8	-87.1
3815	ok	0.09	6.24e-02	1.82e-02	5.7	5.7	7.1	7.1	-2.2	131.9	-3.9	13.6	268.9	-32.6

3824	ok	0.09	7.10e-02	1.51e-02	5.7	5.7	7.1	7.1	-7.8	98.3	-5.3	23.2	236.3	-72.1
3825	ok	0.09	6.98e-02	1.77e-02	5.7	5.7	7.1	7.1	-5.4	117.9	-5.6	39.7	238.9	-79.2
3826	ok	0.09	5.38e-02	2.08e-02	5.7	5.7	7.1	7.1	-1.1	143.1	-2.1	19.0	215.7	-14.8
3827	ok	0.09	6.56e-02	1.60e-02	5.7	5.7	7.1	7.1	-7.6	97.9	-5.0	58.8	195.4	-47.8
3828	ok	0.09	6.28e-02	1.85e-02	5.7	5.7	7.1	7.1	-4.3	123.9	0.2	12.3	160.9	-75.6
3829	ok	0.09	4.85e-02	2.27e-02	5.7	5.7	7.1	7.1	-0.2	150.2	-0.7	21.7	163.1	-9.1
3830	ok	0.09	6.94e-02	1.57e-02	5.7	5.7	7.1	7.1	-6.3	92.3	-13.8	179.7	15.6	183.7
3831	ok	0.09	6.39e-02	1.97e-02	5.7	5.7	7.1	7.1	-2.1	127.6	-1.0	59.9	130.2	-76.8
3832	ok	0.09	4.77e-02	2.39e-02	5.7	5.7	7.1	7.1	1.5	160.8	-3.5	23.6	135.0	32.9
3833	ok	0.09	5.97e-02	1.60e-02	5.7	5.7	7.1	7.1	-6.4	94.2	-7.7	160.7	-30.8	136.5
3834	ok	0.09	5.88e-02	2.06e-02	5.7	5.7	7.1	7.1	-0.3	135.1	-5.7	100.2	240.4	-23.6
3835	ok	0.09	5.58e-02	2.62e-02	5.7	5.7	7.1	7.1	2.6	168.7	-4.2	51.5	242.5	12.8
3836	ok	0.09	9.25e-02	1.72e-02	5.7	5.7	7.1	7.1	-3.7	102.7	-13.8	379.5	184.4	60.8
3837	ok	0.09	8.25e-02	2.27e-02	5.7	5.7	7.1	7.1	1.8	143.5	-8.4	168.4	381.6	-86.7
3838	ok	0.09	7.00e-02	2.83e-02	5.7	5.7	7.1	7.1	2.0	176.7	-2.9	60.5	359.0	6.3
3839	ok	0.09	0.1	2.29e-02	5.7	5.7	7.1	7.1	8.3	127.9	-27.3	343.2	426.5	-175.9
3840	ok	0.09	8.07e-02	2.30e-02	5.7	5.7	7.1	7.1	-6.3	143.3	-5.5	147.0	377.3	-93.1
3841	ok	0.09	7.06e-02	2.85e-02	5.7	5.7	7.1	7.1	0.3	177.1	0.4	7.8	353.2	-35.3
3842	ok	0.09	0.2	2.15e-02	5.7	5.7	7.1	7.1	-6.7	116.1	-21.4	379.8	582.9	520.6
3843	ok	0.09	8.14e-02	2.47e-02	5.7	5.7	7.1	7.1	-3.4	148.0	-1.4	92.1	423.6	-89.9
3844	ok	0.09	6.71e-02	2.85e-02	5.7	5.7	7.1	7.1	1.2	179.3	2.2	28.5	342.1	4.2
3845	ok	0.09	8.08e-02	2.49e-02	5.7	5.7	7.1	7.1	-21.7	122.7	-23.7	216.5	438.3	-41.6
3846	ok	0.09	5.91e-02	2.50e-02	5.7	5.7	7.1	7.1	1.4	156.2	-0.7	117.6	238.7	25.5
3847	ok	0.09	5.86e-02	2.81e-02	5.7	5.7	7.1	7.1	1.2	177.0	2.3	63.9	259.7	-4.4
3848	ok	0.09	6.10e-02	2.46e-02	5.7	5.7	7.1	7.1	-12.7	152.6	1.0	53.0	-83.2	35.8
3849	ok	0.09	4.29e-02	2.54e-02	5.7	5.7	7.1	7.1	-7.2	156.7	-2.6	95.1	96.0	-63.9
3850	ok	0.09	4.19e-02	2.85e-02	5.7	5.7	7.1	7.1	1.1	180.3	-3.8	47.2	-60.6	71.1
3851	ok	0.09	5.45e-02	2.27e-02	5.7	5.7	7.1	7.1	-7.2	140.7	-6.5	147.5	-93.5	49.4
3852	ok	0.09	4.22e-02	2.54e-02	5.7	5.7	7.1	7.1	-3.5	161.9	-6.0	157.8	-72.6	60.8
3853	ok	0.09	3.74e-02	2.89e-02	5.7	5.7	7.1	7.1	0.8	185.7	-3.4	33.2	-92.6	83.7
3854	ok	0.09	5.03e-02	2.22e-02	5.7	5.7	7.1	7.1	-6.9	142.1	-3.0	230.9	-70.4	112.1
3855	ok	0.09	5.59e-02	2.22e-02	5.7	5.7	7.1	7.1	-7.2	140.5	-4.63e-02	285.4	-45.0	98.2
3856	ok	0.09	3.95e-02	2.61e-02	5.7	5.7	7.1	7.1	-2.8	166.8	-3.1	140.9	-72.8	110.9
3857	ok	0.09	3.77e-02	2.62e-02	5.7	5.7	7.1	7.1	-2.8	167.6	-2.57e-02	110.2	-76.2	44.9
3858	ok	0.09	3.85e-02	3.07e-02	5.7	5.7	7.1	7.1	1.0	194.1	-1.7	41.1	-93.1	71.4
3859	ok	0.09	3.75e-02	3.06e-02	5.7	5.7	7.1	7.1	0.9	194.8	-1.2	41.6	-87.1	65.5
3860	ok	0.09	4.86e-02	2.21e-02	5.7	5.7	7.1	7.1	-7.0	140.7	2.2	269.3	-51.5	-23.6
3861	ok	0.09	3.47e-02	2.62e-02	5.7	5.7	7.1	7.1	-2.8	167.1	0.9	141.4	-62.6	54.9
3862	ok	0.09	3.65e-02	3.05e-02	5.7	5.7	7.1	7.1	0.8	194.7	-0.8	37.0	-82.7	60.2
3863	ok	0.09	5.04e-02	2.20e-02	5.7	5.7	7.1	7.1	-7.0	139.5	4.8	272.9	-36.4	51.8
3864	ok	0.09	3.34e-02	2.60e-02	5.7	5.7	7.1	7.1	-2.9	166.1	1.8	121.0	-65.4	50.9
3865	ok	0.09	3.51e-02	3.04e-02	5.7	5.7	7.1	7.1	0.7	193.7	-0.5	43.5	-76.3	55.5
3866	ok	0.09	4.74e-02	2.16e-02	5.7	5.7	7.1	7.1	-7.1	138.1	6.0	264.0	-44.2	38.1
3867	ok	0.09	3.20e-02	2.58e-02	5.7	5.7	7.1	7.1	-3.0	164.1	2.7	150.5	-56.3	53.5
3868	ok	0.09	3.44e-02	3.01e-02	5.7	5.7	7.1	7.1	0.7	192.0	-0.2	38.9	-74.5	48.1
3869	ok	0.09	5.15e-02	2.13e-02	5.7	5.7	7.1	7.1	-7.6	135.0	7.1	290.2	-36.7	59.4
3870	ok	0.09	3.02e-02	2.53e-02	5.7	5.7	7.1	7.1	-3.2	161.2	3.7	126.7	-58.7	44.2
3871	ok	0.09	3.29e-02	2.98e-02	5.7	5.7	7.1	7.1	0.5	188.6	0.1	45.5	-67.7	39.5
3872	ok	0.09	5.55e-02	2.02e-02	5.7	5.7	7.1	7.1	-7.9	126.9	14.3	321.3	-21.9	45.2
3873	ok	0.09	5.98e-02	1.95e-02	5.7	5.7	7.1	7.1	-7.1	126.2	17.2	315.4	-20.3	-123.2
3874	ok	0.09	3.03e-02	2.40e-02	5.7	5.7	7.1	7.1	-3.4	151.9	6.3	139.1	-47.7	22.8
3875	ok	0.09	3.11e-02	2.32e-02	5.7	5.7	7.1	7.1	-2.2	151.3	9.5	172.9	-39.6	-23.0
3876	ok	0.09	3.05e-02	2.82e-02	5.7	5.7	7.1	7.1	0.2	178.7	1.0	53.0	-57.8	16.3
3877	ok	0.09	3.13e-02	2.75e-02	5.7	5.7	7.1	7.1	1.4	178.0	4.1	43.8	-58.9	-28.6
3878	ok	0.09	6.38e-02	1.88e-02	5.7	5.7	7.1	7.1	-6.6	119.7	18.1	346.3	-27.7	-114.3
3879	ok	0.09	3.50e-02	2.24e-02	5.7	5.7	7.1	7.1	-3.0	138.4	9.4	144.4	-66.4	4.7
3880	ok	0.09	3.26e-02	2.66e-02	5.7	5.7	7.1	7.1	1.4	171.4	4.4	52.5	-58.1	-38.6
3881	ok	0.09	5.83e-02	1.91e-02	5.7	5.7	7.1	7.1	-6.3	114.0	20.1	340.2	-27.8	4.6
3882	ok	0.09	3.68e-02	2.15e-02	5.7	5.7	7.1	7.1	-1.9	137.1	12.5	178.8	-55.9	-75.4
3883	ok	0.09	3.33e-02	2.56e-02	5.7	5.7	7.1	7.1	1.4	164.2	4.6	45.1	-68.6	-47.9
3884	ok	0.09	6.13e-02	1.96e-02	5.7	5.7	7.1	7.1	-10.5	123.1	6.3	313.0	-41.9	-16.4
3885	ok	0.09	4.55e-02	2.15e-02	5.7	5.7	7.1	7.1	-2.4	131.8	11.4	138.0	-70.6	-68.6
3886	ok	0.09	4.12e-02	2.46e-02	5.7	5.7	7.1	7.1	0.3	156.4	2.2	50.2	-69.5	-58.9
3887	ok	0.09	0.1	1.96e-02	5.7	5.7	7.1	7.1	-19.7	49.4	10.5	411.5	676.1	-70.7
3888	ok	0.09	6.43e-02	2.13e-02	5.7	5.7	7.1	7.1	-3.7	125.4	11.6	154.6	-100.9	-64.5
3889	ok	0.09	6.25e-02	2.39e-02	5.7	5.7	7.1	7.1	0.1	149.3	-8.12e-02	63.0	50.2	-15.4
3890	ok	0.09	0.1	1.95e-02	5.7	5.7	7.1	7.1	10.3	27.5	2.3	356.7	615.9	58.3
3891	ok	0.09	0.1	1.68e-02	5.7	5.7	7.1	7.1	-2.2	68.9	-25.6	249.5	168.0	267.6
3892	ok	0.09	8.87e-02	2.05e-02	5.7	5.7	7.1	7.1	-5.0	125.2	6.1	188.2	124.4	-117.1
3893	ok	0.09	8.22e-02	2.03e-02	5.7	5.7	7.1	7.1	-2.5	123.0	8.9	184.3	84.1	-80.6
3894	ok	0.09	6.45e-02	2.41e-02	5.7	5.7	7.1	7.1	0.3	146.9	2.6	43.6	62.7	-102.0
3895	ok	0.09	6.29e-02	2.34e-02	5.7	5.7	7.1	7.1	0.4	141.5	3.1	63.5	66.2	-94.7
3896	ok	0.09	7.53e-02	1.63e-02	5.7	5.7	7.1	7.1	-3.8	99.7	9.8	169.0	-27.3	-105.7
3897	ok	0.09	5.51e-02	1.94e-02	5.7	5.7	7.1	7.1	-0.9	116.5	8.7	190.0	39.6	-114.2
3898	ok	0.09	4.24e-02	2.26e-02	5.7	5.7	7.1	7.1	1.0	135.3	3.9	61.2	29.3	-109.0
3899	ok	0.09	0.1	1.69e-02	5.7	5.7	7.1	7.1	-7.3	96.5	10.6	324.1	-61.0	-131.2
3900	ok	0.09	5.05e-02	1.85e-02	5.7	5.7	7.1	7.1	-2.6	111.1	7.9	161.2	-4.3	-141.8

3901	ok	0.09	4.26e-02	2.13e-02	5.7	5.7	7.1	7.1	0.6	128.5	4.0	56.1	-0.7	-148.9
3902	ok	0.09	7.68e-02	1.62e-02	5.7	5.7	7.1	7.1	-5.8	83.9	11.8	307.1	22.0	-97.9
3903	ok	0.09	5.68e-02	1.74e-02	5.7	5.7	7.1	7.1	-3.3	105.7	8.4	169.0	2.9	-176.9
3904	ok	0.09	4.44e-02	2.00e-02	5.7	5.7	7.1	7.1	0.4	123.2	4.1	43.1	-19.3	-164.6
3905	ok	0.09	6.78e-02	1.48e-02	5.7	5.7	7.1	7.1	-6.0	80.6	11.5	306.2	54.7	-93.6
3906	ok	0.09	6.22e-02	1.63e-02	5.7	5.7	7.1	7.1	-2.7	101.0	9.0	133.8	-7.9	-173.1
3907	ok	0.09	4.64e-02	1.83e-02	5.7	5.7	7.1	7.1	0.3	117.8	4.3	42.0	-21.3	-172.3
3908	ok	0.09	7.56e-02	1.35e-02	5.7	5.7	7.1	7.1	-10.5	72.5	-11.7	133.1	263.8	34.9
3909	ok	0.09	7.72e-02	1.34e-02	5.7	5.7	7.1	7.1	-14.3	80.7	-1.4	110.2	248.5	81.7
3910	ok	0.09	7.07e-02	1.38e-02	5.7	5.7	7.1	7.1	-3.3	94.2	-2.6	13.1	200.5	89.7
3911	ok	0.09	7.49e-02	1.34e-02	5.7	5.7	7.1	7.1	-6.3	93.5	0.8	39.0	193.8	80.1
3912	ok	0.09	5.36e-02	1.68e-02	5.7	5.7	7.1	7.1	-0.1	115.7	0.9	26.6	154.2	-34.6
3913	ok	0.09	5.55e-02	1.53e-02	5.7	5.7	7.1	7.1	-1.6	109.5	0.7	10.9	179.1	36.4
3914	ok	0.09	7.61e-02	1.45e-02	5.7	5.7	7.1	7.1	-16.8	79.2	-0.6	35.1	247.5	-45.6
3915	ok	0.09	7.54e-02	1.26e-02	5.7	5.7	7.1	7.1	-3.6	89.9	-0.4	1.0	197.5	145.2
3916	ok	0.09	5.40e-02	1.30e-02	5.7	5.7	7.1	7.1	-0.5	113.4	3.6	9.9	169.4	-53.9
3917	ok	0.09	7.40e-02	1.40e-02	5.7	5.7	7.1	7.1	-20.0	76.0	14.7	-39.6	208.5	153.2
3918	ok	0.09	7.16e-02	1.13e-02	5.7	5.7	7.1	7.1	-3.7	84.4	2.0	15.8	230.6	137.5
3919	ok	0.09	5.78e-02	9.80e-03	5.7	5.7	7.1	7.1	-3.9	92.8	4.7	34.3	261.5	57.4
3920	ok	0.09	7.86e-02	1.44e-02	5.7	5.7	7.1	7.1	-19.9	81.0	18.9	-127.4	248.9	-64.4
3921	ok	0.09	8.02e-02	9.85e-03	5.7	5.7	7.1	7.1	-12.6	72.6	16.1	65.9	402.8	128.2
3922	ok	0.09	6.55e-02	5.56e-03	5.7	5.7	7.1	7.1	-5.5	75.9	7.1	30.6	373.1	49.3
3923	ok	0.09	0.1	1.39e-02	5.7	5.7	7.1	7.1	-19.3	65.9	29.5	18.7	772.8	125.9
3924	ok	0.09	8.94e-02	8.03e-03	5.7	5.7	7.1	7.1	-3.9	54.7	7.6	-6.4	527.3	185.9
3925	ok	0.09	7.53e-02	2.23e-03	5.7	5.7	7.1	7.1	-3.5	56.6	5.5	0.7	440.5	101.4
3926	ok	0.09	0.1	1.15e-02	5.7	5.7	7.1	7.1	2.8	73.6	39.4	-124.2	817.0	198.1
3927	ok	0.09	0.1	7.85e-03	5.7	5.7	7.1	7.1	6.6	38.8	18.8	-53.0	494.9	394.8
3928	ok	0.09	8.28e-02	1.67e-03	5.7	5.7	7.1	7.1	2.7	50.8	9.1	-25.1	452.0	76.4
3929	ok	0.09	6.86e-02	1.40e-02	5.7	5.7	7.1	7.1	-6.6	80.2	12.7	287.7	13.2	-105.3
3930	ok	0.09	6.54e-02	1.49e-02	5.7	5.7	7.1	7.1	-3.5	95.6	8.6	139.5	-3.6	-180.8
3931	ok	0.09	5.02e-02	1.74e-02	5.7	5.7	7.1	7.1	0.3	113.0	4.5	37.9	-32.5	-168.6
3932	ok	0.09	0.2	1.91e-02	5.7	5.7	7.1	7.1	-8.1	43.2	6.7	481.3	812.1	-513.8
3933	ok	0.09	8.59e-02	2.13e-02	5.7	5.7	7.1	7.1	-3.1	129.9	5.2	156.9	57.0	-103.8
3934	ok	0.09	6.57e-02	2.40e-02	5.7	5.7	7.1	7.1	0.2	148.3	2.1	49.5	51.4	-105.5
3935	ok	0.09	4.90e-02	2.07e-02	5.7	5.7	7.1	7.1	-7.6	131.5	9.2	281.6	-40.9	26.9
3936	ok	0.09	2.92e-02	2.48e-02	5.7	5.7	7.1	7.1	-3.3	156.9	4.9	166.4	-45.1	37.8
3937	ok	0.09	3.10e-02	2.90e-02	5.7	5.7	7.1	7.1	0.3	184.0	0.6	45.6	-62.4	28.2
3938	ok	0.09	5.88e-02	2.21e-02	5.7	5.7	7.1	7.1	-7.8	141.1	-3.0	108.3	-94.3	20.1
3939	ok	0.09	4.31e-02	2.59e-02	5.7	5.7	7.1	7.1	-3.1	165.2	-3.2	103.4	-85.3	47.8
3940	ok	0.09	3.95e-02	2.98e-02	5.7	5.7	7.1	7.1	0.8	190.4	-2.5	39.7	-95.5	77.4
4068	ok	0.09	0.2	1.83e-02	5.7	5.7	7.1	7.1	28.5	39.4	58.2	-166.6	815.0	464.7
4070	ok	0.09	0.1	9.13e-03	5.7	5.7	7.1	7.1	-17.8	25.6	21.2	68.6	778.1	123.0
4072	ok	0.09	7.14e-02	4.31e-03	5.7	5.7	7.1	7.1	-14.9	15.0	10.1	129.9	428.2	97.3

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.12	0.48	0.23	11.70	10.73	14.25	11.85	-650.08	-713.10	-270.14	-1099.15	-1580.59	-597.13
								112.86	369.57	277.71	1031.68	2443.14	539.22

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
907	ok	1.76						
908	ok	0.35						
914	ok	1.94						
925	ok	1.89						
926	ok	0.45						
932	ok	2.14						
943	ok	1.70						
944	ok	0.75						
950	ok	1.52						
961	ok	1.60						
962	ok	0.39						
968	ok	0.54						
979	ok	1.74						
980	ok	0.64						
986	ok	2.55						
1087	ok	0.78						
1088	ok	0.28						
1094	ok	1.67						
1105	ok	3.17						
1106	ok	0.78						
1112	ok	0.26						
1118	ok	1.51						
2001	ok	0.58						
2002	ok	0.22						
2003	ok	0.80						

2004	ok	0.97
2005	ok	0.30
2006	ok	1.07
2007	ok	1.07
2008	ok	0.42
2009	ok	1.14
2010	ok	1.01
2011	ok	0.64
2012	ok	0.95
2013	ok	0.69
2014	ok	0.42
2015	ok	0.55
2016	ok	0.40
2017	ok	0.59
2018	ok	2.49
2019	ok	3.14
2020	ok	0.74
2021	ok	0.35
2022	ok	0.36
2185	ok	0.32
2186	ok	1.35
2187	ok	0.25
2188	ok	0.78
2189	ok	0.31
2190	ok	0.47
2191	ok	0.59
2192	ok	0.79
2193	ok	0.85
2194	ok	1.63
2195	ok	0.28
2196	ok	0.63
2197	ok	0.32
2198	ok	0.63
2199	ok	0.98
2200	ok	1.73
2201	ok	1.04
2202	ok	1.86
2203	ok	0.35
2204	ok	0.73
2205	ok	0.33
2206	ok	0.66
2207	ok	1.03
2208	ok	1.82
2209	ok	1.11
2210	ok	2.06
2211	ok	0.35
2212	ok	0.84
2213	ok	0.30
2214	ok	0.51
2215	ok	1.00
2216	ok	1.66
2217	ok	0.95
2218	ok	1.52
2219	ok	0.29
2220	ok	0.48
2221	ok	0.23
2222	ok	0.66
2223	ok	0.75
2224	ok	1.57
2225	ok	0.52
2226	ok	0.54
2227	ok	0.32
2228	ok	0.66
2229	ok	0.31
2230	ok	0.94
2231	ok	0.34
2232	ok	1.51
2233	ok	2.11
2234	ok	0.53
2235	ok	1.54
2236	ok	0.48
2237	ok	1.20
2238	ok	0.46
2239	ok	0.93
2240	ok	0.54
2241	ok	0.91
2242	ok	0.90

2243	ok	2.60
2244	ok	1.63
2245	ok	0.35
2246	ok	0.36
2247	ok	0.37
2248	ok	0.37
2249	ok	0.74
2250	ok	1.09
2251	ok	0.32
2252	ok	0.30
2253	ok	0.30
2254	ok	0.29
2255	ok	0.42
2256	ok	0.85
2257	ok	0.32
2258	ok	0.24
2259	ok	0.23
2260	ok	0.19
2261	ok	0.27
2262	ok	0.58
2263	ok	0.24
2264	ok	0.21
2265	ok	0.18
2266	ok	0.23
2267	ok	0.23
2268	ok	0.37
2269	ok	0.22
2270	ok	0.16
2271	ok	0.19
2272	ok	0.21
2273	ok	0.41
2274	ok	0.69
2275	ok	0.17
2276	ok	0.15
2277	ok	0.19
2278	ok	0.33
2279	ok	0.34
2280	ok	0.49
2281	ok	0.11
2282	ok	0.17
2283	ok	0.24
2284	ok	0.25
2285	ok	0.61
2286	ok	0.89
2287	ok	0.15
2288	ok	0.14
2289	ok	0.17
2290	ok	0.16
2291	ok	0.25
2292	ok	0.22
2293	ok	0.29
2294	ok	0.38
2295	ok	0.62
2296	ok	0.81
2297	ok	1.54
2298	ok	2.74
2299	ok	0.16
2300	ok	0.16
2301	ok	0.25
2302	ok	0.27
2303	ok	1.04
2304	ok	3.18
2305	ok	0.16
2306	ok	0.16
2307	ok	0.22
2308	ok	0.35
2309	ok	0.86
2310	ok	1.55
2311	ok	0.16
2312	ok	0.15
2313	ok	0.25
2314	ok	0.27
2315	ok	0.50
2316	ok	0.72
2317	ok	0.17
2318	ok	0.18
2319	ok	0.23

2320	ok	0.36
2321	ok	0.37
2322	ok	0.55
2323	ok	0.18
2324	ok	0.16
2325	ok	0.18
2326	ok	0.15
2327	ok	0.22
2328	ok	0.23
2329	ok	0.35
2330	ok	0.24
2331	ok	0.35
2332	ok	0.48
2333	ok	0.46
2334	ok	0.67
2335	ok	0.18
2336	ok	0.15
2337	ok	0.21
2338	ok	0.32
2339	ok	0.33
2340	ok	0.42
2341	ok	0.18
2342	ok	0.15
2343	ok	0.22
2344	ok	0.24
2345	ok	0.45
2346	ok	0.63
2347	ok	0.17
2348	ok	0.15
2349	ok	0.20
2350	ok	0.31
2351	ok	0.32
2352	ok	0.42
2353	ok	0.20
2354	ok	0.16
2355	ok	0.23
2356	ok	0.24
2357	ok	0.46
2358	ok	0.64
2359	ok	0.21
2360	ok	0.19
2361	ok	0.16
2362	ok	0.15
2363	ok	0.24
2364	ok	0.22
2365	ok	0.26
2366	ok	0.34
2367	ok	0.49
2368	ok	0.34
2369	ok	0.64
2370	ok	0.43
2371	ok	0.17
2372	ok	0.16
2373	ok	0.24
2374	ok	0.27
2375	ok	0.49
2376	ok	0.64
2377	ok	0.16
2378	ok	0.16
2379	ok	0.22
2380	ok	0.35
2381	ok	0.36
2382	ok	0.51
2383	ok	0.18
2384	ok	0.15
2385	ok	0.24
2386	ok	0.28
2387	ok	0.50
2388	ok	0.68
2389	ok	0.20
2390	ok	0.17
2391	ok	0.23
2392	ok	0.35
2393	ok	0.89
2394	ok	1.49
2395	ok	0.18
2396	ok	0.18

2397	ok	0.17
2398	ok	0.16
2399	ok	0.23
2400	ok	0.24
2401	ok	0.37
2402	ok	0.29
2403	ok	1.33
2404	ok	0.67
2405	ok	3.02
2406	ok	0.52
2407	ok	0.15
2408	ok	0.17
2409	ok	0.22
2410	ok	0.40
2411	ok	0.94
2412	ok	2.18
2413	ok	0.15
2414	ok	0.16
2415	ok	0.25
2416	ok	0.29
2417	ok	0.83
2418	ok	2.27
2419	ok	0.19
2420	ok	0.15
2421	ok	0.23
2422	ok	0.39
2423	ok	0.41
2424	ok	0.69
2425	ok	0.20
2426	ok	0.16
2427	ok	0.24
2428	ok	0.26
2429	ok	0.51
2430	ok	0.74
2431	ok	0.11
2432	ok	0.23
2433	ok	0.15
2434	ok	0.17
2435	ok	0.20
2436	ok	0.17
2437	ok	0.23
2438	ok	0.24
2439	ok	0.40
2440	ok	0.24
2441	ok	0.69
2442	ok	0.37
2443	ok	0.27
2444	ok	0.22
2445	ok	0.19
2446	ok	0.18
2447	ok	0.31
2448	ok	0.66
2449	ok	0.29
2450	ok	0.27
2451	ok	0.25
2452	ok	0.25
2453	ok	0.42
2454	ok	1.05
2455	ok	0.39
2456	ok	0.32
2457	ok	0.32
2458	ok	0.29
2459	ok	0.65
2460	ok	1.15
2461	ok	0.39
2462	ok	0.37
2463	ok	0.36
2464	ok	0.43
2465	ok	0.61
2466	ok	0.24
2467	ok	0.17
2468	ok	0.15
2469	ok	0.19
2470	ok	0.29
2471	ok	0.31
2472	ok	0.47
2473	ok	0.09

2474	ok	0.16
2475	ok	0.21
2476	ok	0.33
2477	ok	0.33
2478	ok	0.42
2479	ok	0.14
2480	ok	0.16
2481	ok	0.24
2482	ok	0.27
2483	ok	1.24
2484	ok	3.27
2485	ok	0.10
2486	ok	0.16
2487	ok	0.24
2488	ok	0.26
2489	ok	0.49
2490	ok	0.63
2491	ok	0.11
2492	ok	0.16
2493	ok	0.22
2494	ok	0.37
2495	ok	0.37
2496	ok	0.73
2497	ok	0.54
2498	ok	0.48
2499	ok	0.48
2500	ok	0.52
2501	ok	0.99
2502	ok	1.61
2503	ok	1.54
2504	ok	1.06
2505	ok	0.86
2506	ok	0.84
2507	ok	1.06
2508	ok	2.40
3798	ok	1.97
3799	ok	0.96
3800	ok	1.41
3801	ok	0.45
3802	ok	1.24
3803	ok	0.71
3804	ok	0.69
3805	ok	0.18
3806	ok	0.79
3807	ok	0.18
3808	ok	0.21
3809	ok	0.86
3810	ok	0.23
3811	ok	0.20
3812	ok	0.89
3813	ok	0.13
3814	ok	0.20
3815	ok	0.91
3824	ok	0.31
3825	ok	0.19
3826	ok	0.93
3827	ok	0.18
3828	ok	0.18
3829	ok	0.92
3830	ok	0.50
3831	ok	0.18
3832	ok	0.90
3833	ok	0.18
3834	ok	0.24
3835	ok	0.86
3836	ok	0.61
3837	ok	0.27
3838	ok	0.78
3839	ok	0.71
3840	ok	0.26
3841	ok	0.66
3842	ok	1.01
3843	ok	0.12
3844	ok	0.62
3845	ok	0.90
3846	ok	0.16
3847	ok	0.58

3848	ok	0.33
3849	ok	0.17
3850	ok	0.55
3851	ok	0.17
3852	ok	0.15
3853	ok	0.50
3854	ok	0.14
3855	ok	0.31
3856	ok	0.14
3857	ok	0.08
3858	ok	0.40
3859	ok	0.33
3860	ok	0.13
3861	ok	0.13
3862	ok	0.28
3863	ok	0.28
3864	ok	0.07
3865	ok	0.25
3866	ok	0.12
3867	ok	0.12
3868	ok	0.20
3869	ok	0.29
3870	ok	0.07
3871	ok	0.19
3872	ok	0.32
3873	ok	0.15
3874	ok	0.08
3875	ok	0.14
3876	ok	0.29
3877	ok	0.34
3878	ok	0.32
3879	ok	0.08
3880	ok	0.40
3881	ok	0.17
3882	ok	0.16
3883	ok	0.44
3884	ok	0.39
3885	ok	0.21
3886	ok	0.48
3887	ok	1.00
3888	ok	0.20
3889	ok	0.49
3890	ok	1.32
3891	ok	0.82
3892	ok	0.45
3893	ok	0.34
3894	ok	0.57
3895	ok	0.64
3896	ok	1.06
3897	ok	0.43
3898	ok	0.72
3899	ok	0.93
3900	ok	0.25
3901	ok	0.81
3902	ok	0.48
3903	ok	0.19
3904	ok	0.87
3905	ok	0.40
3906	ok	0.16
3907	ok	0.92
3908	ok	0.30
3909	ok	0.12
3910	ok	0.19
3911	ok	0.20
3912	ok	0.99
3913	ok	0.99
3914	ok	0.20
3915	ok	0.22
3916	ok	0.98
3917	ok	0.22
3918	ok	0.23
3919	ok	0.96
3920	ok	0.64
3921	ok	0.23
3922	ok	0.92
3923	ok	0.38
3924	ok	0.22

3925	ok	0.88
3926	ok	1.23
3927	ok	0.83
3928	ok	0.81
3929	ok	0.19
3930	ok	0.17
3931	ok	0.95
3932	ok	1.22
3933	ok	0.17
3934	ok	0.52
3935	ok	0.13
3936	ok	0.13
3937	ok	0.23
3938	ok	0.31
3939	ok	0.11
3940	ok	0.47
4068	ok	3.00
4070	ok	2.39
4072	ok	1.42

Nodo	Max tau 3.27	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
16	15.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
2243	ok	0.20	0.2	3.84e-02	5.7	5.7	7.1	7.1	-55.7	61.7	24.6	-86.5	-169.7	1.8
2767	ok	0.20	0.3	8.34e-02	5.7	5.7	7.1	7.1	-102.0	-10.0	-100.6	575.8	220.2	127.6
3067	ok	0.20	0.1	4.76e-02	5.7	5.7	7.1	7.1	-104.2	35.6	-27.2	141.6	76.4	-45.3
3362	ok	0.20	0.4	8.43e-02	5.7	5.7	7.1	7.1	22.2	185.8	-112.5	-262.4	-622.2	149.7
3368	ok	0.20	0.2	7.45e-02	5.7	5.7	7.1	7.1	-6.8	50.4	-142.3	53.5	-61.2	118.6
3374	ok	0.20	0.2	7.57e-02	5.7	5.7	7.1	7.1	-5.1	18.7	-183.9	-40.1	-54.3	235.6
3380	ok	0.20	0.2	8.20e-02	5.7	5.7	7.1	7.1	-5.1	-13.3	-183.5	55.3	49.2	216.3
3386	ok	0.20	0.2	8.58e-02	5.7	5.7	7.1	7.1	12.4	-6.6	-203.9	-153.4	-97.8	221.5
3393	ok	0.20	0.2	8.62e-02	5.7	5.7	7.1	7.1	9.3	-45.6	-183.2	10.2	31.9	179.7
3400	ok	0.20	0.1	8.20e-02	5.7	5.7	7.1	7.1	13.0	-39.8	-177.9	-75.8	-41.5	180.9
3407	ok	0.20	0.2	7.99e-02	5.7	5.7	7.1	7.1	9.4	-56.7	161.5	54.1	52.5	-171.3
3414	ok	0.20	0.2	7.87e-02	5.7	5.7	7.1	7.1	11.3	-33.6	172.9	-121.2	-63.8	-205.5
3420	ok	0.20	0.2	8.48e-02	5.7	5.7	7.1	7.1	6.8	-35.7	184.2	-90.8	-10.2	-222.4
3426	ok	0.20	0.2	7.55e-02	5.7	5.7	7.1	7.1	-2.8	-9.7	171.3	-116.5	-55.1	-251.8
3432	ok	0.20	0.2	7.48e-02	5.7	5.7	7.1	7.1	-6.4	-11.0	166.6	-82.7	1.7	-267.5
3438	ok	0.20	0.2	6.72e-02	5.7	5.7	7.1	7.1	7.9	13.8	168.6	-256.2	-96.7	-306.4
3444	ok	0.20	0.4	4.19e-02	5.7	5.7	7.1	7.1	79.0	12.6	140.3	-472.7	-124.4	-345.0
3455	ok	0.20	0.1	7.30e-02	5.7	5.7	7.1	7.1	-8.7	53.5	120.7	-37.9	-57.9	-138.9
3456	ok	0.20	0.2	7.61e-02	5.7	5.7	7.1	7.1	-5.2	2.3	175.8	56.7	39.4	-230.2
3462	ok	0.20	0.2	7.23e-02	5.7	5.7	7.1	7.1	-1.5	24.7	173.6	-51.9	-56.6	-254.6
3468	ok	0.20	0.2	7.01e-02	5.7	5.7	7.1	7.1	7.3	41.3	147.5	82.8	-89.7	-155.5
3474	ok	0.20	0.2	5.34e-02	5.7	5.7	7.1	7.1	25.5	84.4	126.7	-203.2	-309.9	-150.9
3486	ok	0.20	0.2	6.76e-02	5.7	5.7	7.1	7.1	5.9	-21.6	-150.6	3.1	29.1	154.4
3487	ok	0.20	0.2	6.36e-02	5.7	5.7	7.1	7.1	4.1	-14.1	137.2	-23.0	-19.3	-187.7
3494	ok	0.20	0.2	6.76e-02	5.7	5.7	7.1	7.1	4.5	-26.0	147.7	27.7	26.3	-190.3
3501	ok	0.20	0.2	6.92e-02	5.7	5.7	7.1	7.1	5.8	-14.5	158.1	-33.8	-27.4	-206.6
3508	ok	0.20	0.2	7.45e-02	5.7	5.7	7.1	7.1	-0.5	-20.4	164.5	44.9	39.6	-204.9
3514	ok	0.20	0.4	4.65e-02	5.7	5.7	7.2	7.1	54.4	77.7	-83.1	-261.0	-396.2	178.1
3520	ok	0.20	0.3	5.27e-02	5.7	5.7	7.1	7.1	18.3	15.5	-139.4	-349.7	-107.9	337.0
3526	ok	0.20	0.2	5.57e-02	5.7	5.7	7.1	7.1	3.6	9.2	-137.1	-173.8	-34.8	313.9
3532	ok	0.20	0.2	5.40e-02	5.7	5.7	7.1	7.1	0.3	14.4	-133.8	-168.1	-66.8	294.0
3538	ok	0.20	0.2	5.62e-02	5.7	5.7	7.1	7.1	-0.4	-42.7	-101.4	-2.7	124.0	191.4
3544	ok	0.20	0.2	5.77e-02	5.7	5.7	7.1	7.1	-4.5	-60.6	-99.9	-5.9	129.3	179.3
3550	ok	0.20	0.1	5.79e-02	5.7	5.7	7.1	7.1	-1.7	-59.0	-96.4	-67.3	111.1	154.4
3556	ok	0.20	0.1	5.68e-02	5.7	5.7	7.1	7.1	-6.8	7.6	-133.5	-40.6	-26.7	227.0
3562	ok	0.20	0.1	5.96e-02	5.7	5.7	7.1	7.1	-3.8	-60.2	-95.7	-89.9	93.9	240.8
3568	ok	0.20	0.1	5.99e-02	5.7	5.7	7.1	7.1	-8.1	3.1	-137.9	-21.8	-14.7	201.1
3574	ok	0.20	0.2	6.31e-02	5.7	5.7	7.1	7.1	-25.2	-73.3	72.8	316.5	187.0	-55.2
3580	ok	0.20	0.1	6.22e-02	5.7	5.7	7.1	7.1	-10.1	-70.0	-100.0	139.3	129.4	130.5
3586	ok	0.20	0.1	6.35e-02	5.7	5.7	7.1	7.1	-12.8	-65.8	80.0	-31.8	108.0	-86.6
3592	ok	0.20	0.1	6.41e-02	5.7	5.7	7.1	7.1	-7.9	-69.6	-92.9	-60.8	100.7	110.4
3648	ok	0.20	0.1	2.01e-02	5.7	5.7	7.1	7.1	41.1	40.1	4.3	-36.0	271.2	-59.8

3650	ok	0.20	0.1	9.56e-03	5.7	5.7	7.1	7.1	4.0	7.2	17.0	78.3	237.1	-82.1
3652	ok	0.20	0.1	5.90e-03	5.7	5.7	7.1	7.1	-3.2	-12.1	-2.1	41.9	272.6	-26.3
3798	ok	0.20	0.3	2.18e-02	5.7	5.7	7.1	7.1	65.4	41.2	-26.7	134.7	627.0	16.8
3800	ok	0.20	0.3	8.19e-03	5.7	5.7	7.1	7.1	16.1	19.0	-13.9	124.0	591.8	22.2
3802	ok	0.20	0.3	1.45e-03	5.7	5.7	7.1	7.1	0.3	45.9	-10.1	33.5	540.0	23.7
3941	ok	0.20	0.2	2.64e-02	5.7	5.7	7.1	7.1	4.2	9.5	8.7	57.1	234.8	-13.7
3942	ok	0.20	0.2	1.01e-02	5.7	5.7	7.1	7.1	6.9	6.9	-9.9	113.2	356.9	10.1
3943	ok	0.20	0.2	2.90e-03	5.7	5.7	7.1	7.1	-2.4	-6.1	-1.9	21.6	289.2	38.1
3944	ok	0.20	0.2	2.76e-02	5.7	5.7	7.1	7.1	11.8	28.3	9.9	-87.9	-141.3	161.8
3945	ok	0.20	7.86e-02	1.15e-02	5.7	5.7	7.1	7.1	0.6	-11.5	-6.8	-0.7	-73.9	105.1
3946	ok	0.20	7.89e-02	9.53e-03	5.7	5.7	7.1	7.1	-1.4	-19.0	-0.9	12.9	21.9	92.4
3947	ok	0.20	0.1	2.79e-02	5.7	5.7	7.1	7.1	5.9	35.7	15.7	-152.6	-196.3	125.9
3948	ok	0.20	0.1	1.43e-02	5.7	5.7	7.1	7.1	1.5	-13.7	-5.9	-16.5	-116.1	124.4
3949	ok	0.20	0.1	1.47e-02	5.7	5.7	7.1	7.1	-4.50e-02	-25.5	-3.9	10.1	-101.7	80.2
3950	ok	0.20	0.1	3.04e-02	5.7	5.7	7.1	7.1	2.1	42.3	18.1	-92.4	-198.5	111.8
3951	ok	0.20	0.1	1.69e-02	5.7	5.7	7.1	7.1	-2.4	-35.8	-13.5	18.4	17.1	64.1
3952	ok	0.20	0.1	1.86e-02	5.7	5.7	7.1	7.1	0.7	-34.4	-5.0	17.9	14.5	39.1
3953	ok	0.20	0.1	2.97e-02	5.7	5.7	7.1	7.1	-0.3	44.9	18.4	-103.3	-189.5	48.7
3954	ok	0.20	9.89e-02	2.00e-02	5.7	5.7	7.1	7.1	0.3	-35.2	-5.2	-14.9	16.8	73.3
3955	ok	0.20	0.1	2.23e-02	5.7	5.7	7.1	7.1	0.6	-42.5	-5.3	11.4	24.2	39.8
3956	ok	0.20	9.12e-02	3.11e-02	5.7	5.7	7.1	7.1	-7.6	42.1	46.6	-47.8	-180.5	-26.2
3957	ok	0.20	5.86e-02	2.29e-02	5.7	5.7	7.1	7.1	0.4	-43.7	-5.0	-4.4	-13.5	61.4
3958	ok	0.20	0.1	2.60e-02	5.7	5.7	7.1	7.1	0.4	-51.1	-5.1	19.4	31.8	37.2
3959	ok	0.20	8.71e-02	3.17e-02	5.7	5.7	7.1	7.1	-11.8	47.2	42.8	54.8	-112.8	-19.9
3960	ok	0.20	5.92e-02	2.56e-02	5.7	5.7	7.1	7.1	0.9	-51.1	-5.1	-12.5	2.0	53.8
3961	ok	0.20	4.96e-02	2.97e-02	5.7	5.7	7.1	7.1	0.2	-60.6	-4.9	5.1	-27.1	32.7
3962	ok	0.20	8.15e-02	3.33e-02	5.7	5.7	7.1	7.1	-2.9	-54.4	-43.4	3.1	5.1	100.1
3963	ok	0.20	5.46e-02	2.81e-02	5.7	5.7	7.1	7.1	-2.7	-65.8	-10.3	-12.2	-2.7	40.6
3964	ok	0.20	5.20e-02	3.34e-02	5.7	5.7	7.1	7.1	-0.4	-70.1	-4.6	16.3	-5.9	37.0
3965	ok	0.20	7.17e-02	3.30e-02	5.7	5.7	7.1	7.1	-2.1	-55.1	-42.3	-20.7	-5.1	99.9
3966	ok	0.20	5.35e-02	3.05e-02	5.7	5.7	7.1	7.1	1.5	-65.6	-5.5	-12.0	0.6	50.0
3967	ok	0.20	5.23e-02	3.68e-02	5.7	5.7	7.1	7.1	-2.4	-88.3	-2.2	-2.7	-10.3	28.8
3968	ok	0.20	9.38e-02	3.44e-02	5.7	5.7	7.1	7.1	-2.0	-62.4	-39.5	2.0	-5.6	81.8
3969	ok	0.20	4.87e-02	3.22e-02	5.7	5.7	7.1	7.1	-1.8	-76.8	-7.2	-10.6	-10.0	33.7
3970	ok	0.20	5.44e-02	3.97e-02	5.7	5.7	7.1	7.1	-2.2	-95.4	-1.0	9.1	-8.8	23.4
3971	ok	0.20	0.1	3.37e-02	5.7	5.7	7.1	7.1	0.9	-62.9	-37.6	-50.7	-7.5	84.0
3972	ok	0.20	4.75e-02	3.35e-02	5.7	5.7	7.1	7.1	1.6	-77.9	-5.2	-10.4	-7.4	39.4
3973	ok	0.20	5.76e-02	4.18e-02	5.7	5.7	7.1	7.1	-1.8	-100.5	0.3	-1.8	-10.4	23.6
3974	ok	0.20	8.37e-02	3.25e-02	5.7	5.7	7.1	7.1	-11.2	52.2	-41.9	24.7	-18.6	40.7
3975	ok	0.20	5.28e-02	3.44e-02	5.7	5.7	7.1	7.1	-0.7	-81.4	-2.3	-5.9	-7.6	25.9
3976	ok	0.20	5.90e-02	4.33e-02	5.7	5.7	7.1	7.1	-1.8	-104.1	1.5	5.4	-11.2	16.0
3978	ok	0.20	7.16e-02	3.23e-02	5.7	5.7	7.1	7.1	-11.4	51.9	19.7	26.7	-19.2	-69.5
3979	ok	0.20	4.91e-02	3.53e-02	5.7	5.7	7.1	7.1	1.5	-84.3	-3.7	-9.7	-8.0	23.5
3980	ok	0.20	6.13e-02	4.50e-02	5.7	5.7	7.1	7.1	-2.2	-108.1	0.3	-7.2	-13.3	19.5
3981	ok	0.20	8.70e-02	3.45e-02	5.7	5.7	7.1	7.1	-12.2	42.0	-57.2	59.5	11.8	39.8
3982	ok	0.20	6.10e-02	3.55e-02	5.7	5.7	7.1	7.1	1.0	-84.9	6.2	-12.7	-10.8	-11.2
3983	ok	0.20	6.16e-02	4.53e-02	5.7	5.7	7.1	7.1	-2.2	-109.0	1.8	6.9	-12.2	12.4
3984	ok	0.20	0.1	3.79e-02	5.7	5.7	7.1	7.1	10.1	-67.1	48.4	-53.6	-20.3	-46.6
3985	ok	0.20	4.84e-02	3.43e-02	5.7	5.7	7.1	7.1	1.0	-80.6	12.2	10.7	-6.0	-14.1
3986	ok	0.20	6.11e-02	4.40e-02	5.7	5.7	7.1	7.1	-2.6	-105.6	3.6	-3.1	-15.7	15.9
3987	ok	0.20	0.1	3.51e-02	5.7	5.7	7.1	7.1	-6.8	15.3	-61.1	44.9	-7.6	81.1
3988	ok	0.20	6.40e-02	3.22e-02	5.7	5.7	7.1	7.1	-1.5	-73.2	17.8	-36.7	-17.1	-23.7
3989	ok	0.20	5.54e-02	3.92e-02	5.7	5.7	7.1	7.1	-3.4	-94.0	5.7	8.1	-14.4	4.2
3990	ok	0.20	9.63e-02	3.74e-02	5.7	5.7	7.1	7.1	0.4	-47.3	60.7	-57.6	-0.3	-64.7
3991	ok	0.20	4.50e-02	2.79e-02	5.7	5.7	7.1	7.1	1.4	-50.8	6.4	-31.7	23.2	-59.7
3992	ok	0.20	4.89e-02	3.17e-02	5.7	5.7	7.1	7.1	0.2	-61.9	5.2	-27.8	12.8	-8.5
3993	ok	0.20	8.12e-02	3.64e-02	5.7	5.7	7.1	7.1	1.3	-43.3	23.7	-76.2	29.3	-117.2
3994	ok	0.20	5.21e-02	2.30e-02	5.7	5.7	7.1	7.1	-1.0	-47.4	12.5	-67.3	37.0	-12.0
3995	ok	0.20	5.40e-02	2.49e-02	5.7	5.7	7.1	7.1	0.2	-55.4	5.0	16.0	51.1	-51.0
3996	ok	0.20	7.44e-02	3.56e-02	5.7	5.7	7.1	7.1	2.5	-44.7	18.9	31.5	77.0	-46.3
3997	ok	0.20	8.13e-02	1.98e-02	5.7	5.7	7.1	7.1	-1.5	-41.9	8.0	-18.4	45.3	-17.9
3998	ok	0.20	0.1	2.31e-02	5.7	5.7	7.1	7.1	-2.2	-55.2	-4.3	4.6	71.2	-30.4
3999	ok	0.20	8.38e-02	2.85e-02	5.7	5.7	7.1	7.1	1.9	-36.4	25.3	-43.3	59.8	-66.6
4000	ok	0.20	8.91e-02	1.79e-02	5.7	5.7	7.1	7.1	0.4	-30.0	4.3	-4.3	-80.3	-32.7
4001	ok	0.20	9.84e-02	2.33e-02	5.7	5.7	7.1	7.1	0.6	-45.3	-6.0	12.2	70.1	-20.9
4002	ok	0.20	0.1	2.34e-02	5.7	5.7	7.1	7.1	-16.8	38.2	-24.4	22.8	-273.8	42.1
4004	ok	0.20	8.58e-02	1.45e-02	5.7	5.7	7.1	7.1	2.3	-20.0	1.5	6.5	-78.2	-34.0
4005	ok	0.20	3.84e-02	1.94e-02	5.7	5.7	7.1	7.1	-0.4	50.6	3.0	6.3	11.3	-23.8
4006	ok	0.20	0.1	2.56e-02	5.7	5.7	7.1	7.1	-12.6	45.7	29.8	4.1	-95.1	-94.2
4007	ok	0.20	2.94e-02	1.07e-02	5.7	5.7	7.1	7.1	-3.1	46.9	7.0	9.8	18.5	-39.2
4008	ok	0.20	3.12e-02	1.42e-02	5.7	5.7	7.1	7.1	-0.5	61.2	-1.2	6.2	17.4	-28.1
4009	ok	0.20	8.40e-02	2.32e-02	5.7	5.7	7.1	7.1	-6.6	34.4	56.4	83.4	33.3	-87.1
4010	ok	0.20	3.50e-02	9.47e-03	5.7	5.7	7.1	7.1	-2.8	48.7	16.8	6.4	-63.8	-53.3
4011	ok	0.20	3.13e-02	7.45e-03	5.7	5.7	7.1	7.1	-1.7	66.3	-2.8	-13.1	-17.7	-30.1
4012	ok	0.20	0.1	2.66e-02	5.7	5.7	7.1	7.1	0.9	74.1	31.8	-51.6	-317.2	-162.4
4013	ok	0.20	7.07e-02	7.89e-03	5.7	5.7	7.1	7.1	-5.1	64.7	17.7	-52.2	-132.9	-35.7
4014	ok	0.20	4.70e-02	1.45e-03	5.7	5.7	7.1	7.1	-0.5	77.2	2.3	5.7	46.8	-20.3

4015	ok	0.20	0.2	3.13e-02	5.7	5.7	7.1	7.1	-47.8	75.7	-41.2	-347.5	-343.0	0.2
4016	ok	0.20	8.99e-02	7.15e-03	5.7	5.7	7.1	7.1	-10.9	68.6	-6.8	26.8	-131.9	-1.8
4017	ok	0.20	0.1	1.14e-03	5.7	5.7	7.1	7.1	0.3	90.5	1.1	4.4	81.2	-8.1
4018	ok	0.20	0.2	2.98e-02	5.7	5.7	7.1	7.1	-0.2	69.2	-30.2	-38.7	-307.4	100.8
4019	ok	0.20	9.89e-02	1.07e-02	5.7	5.7	7.1	7.1	-2.3	61.8	-14.5	-45.7	-152.7	74.2
4020	ok	0.20	0.1	1.82e-03	5.7	5.7	7.1	7.1	0.8	82.9	4.4	19.3	-85.3	23.8
4021	ok	0.20	8.60e-02	3.13e-02	5.7	5.7	7.1	7.1	-6.7	61.6	-24.1	-35.2	-130.6	122.4
4022	ok	0.20	7.08e-02	1.38e-02	5.7	5.7	7.1	7.1	-8.3	54.3	-9.4	-49.9	-149.8	84.4
4023	ok	0.20	5.65e-02	9.67e-03	5.7	5.7	7.1	7.1	-2.6	62.5	2.9	-33.5	-120.2	33.3
4024	ok	0.20	9.74e-02	3.13e-02	5.7	5.7	7.1	7.1	-8.1	25.8	-59.2	105.1	17.7	66.8
4025	ok	0.20	3.80e-02	1.74e-02	5.7	5.7	7.1	7.1	-5.9	39.3	-21.0	6.5	45.3	19.6
4026	ok	0.20	3.97e-02	2.07e-02	5.7	5.7	7.1	7.1	-1.2	50.6	2.3	6.3	-12.3	21.4
4027	ok	0.20	8.15e-02	3.75e-02	5.7	5.7	7.1	7.1	-16.0	27.4	-60.5	-32.9	0.7	87.0
4028	ok	0.20	4.64e-02	2.18e-02	5.7	5.7	7.1	7.1	-8.07e-02	26.9	-18.7	45.7	45.2	27.0
4029	ok	0.20	5.56e-02	2.99e-02	5.7	5.7	7.1	7.1	-1.5	-68.2	-2.5	14.6	-15.2	24.9
4030	ok	0.20	9.16e-02	2.65e-02	5.7	5.7	7.1	7.1	2.4	9.2	1.9	33.9	-39.5	-47.7
4031	ok	0.20	4.90e-02	2.65e-02	5.7	5.7	7.1	7.1	3.0	-61.4	-6.8	26.7	-12.0	22.7
4032	ok	0.20	6.45e-02	3.67e-02	5.7	5.7	7.1	7.1	-2.2	-88.2	-0.4	2.5	-18.5	21.5
4033	ok	0.20	8.09e-02	3.04e-02	5.7	5.7	7.1	7.1	-0.6	-45.2	-42.0	-10.1	14.1	107.1
4034	ok	0.20	7.44e-02	3.14e-02	5.7	5.7	7.1	7.1	-1.7	-60.9	-14.8	6.6	-12.8	17.5
4035	ok	0.20	8.49e-02	4.17e-02	5.7	5.7	7.1	7.1	-2.9	-100.3	2.3	7.2	-9.3	15.2
4036	ok	0.20	8.46e-02	2.98e-02	5.7	5.7	7.1	7.1	4.8	-60.9	-27.0	21.6	-31.4	114.2
4037	ok	0.20	8.14e-02	3.30e-02	5.7	5.7	7.1	7.1	-0.4	-78.9	-6.3	8.9	-21.8	10.7
4038	ok	0.20	8.91e-02	4.36e-02	5.7	5.7	7.1	7.1	-3.9	-100.6	5.5	6.6	-8.0	14.0
4039	ok	0.20	0.1	3.30e-02	5.7	5.7	7.1	7.1	-6.6	-49.2	41.7	-8.4	59.9	-15.4
4040	ok	0.20	8.35e-02	3.46e-02	5.7	5.7	7.1	7.1	-1.3	-79.9	-16.1	4.1	-3.4	-12.1
4041	ok	0.20	6.48e-02	4.56e-02	5.7	5.7	7.1	7.1	-1.2	-109.6	-1.5	7.2	-23.8	-2.4
4042	ok	0.20	0.1	3.08e-02	5.7	5.7	7.1	7.1	10.9	-59.9	-7.4	21.1	-29.9	-101.6
4043	ok	0.20	0.1	3.65e-02	5.7	5.7	7.1	7.1	3.5	-75.2	-3.7	-3.7	-21.1	-29.1
4044	ok	0.20	0.1	4.69e-02	5.7	5.7	7.1	7.1	-1.8	-112.7	-1.3	10.1	60.8	-27.5
4045	ok	0.20	0.1	3.00e-02	5.7	5.7	7.1	7.1	-6.03e-02	-55.9	9.4	-10.0	81.0	-100.9
4046	ok	0.20	0.1	3.36e-02	5.7	5.7	7.1	7.1	1.9	-77.5	-1.9	5.6	43.4	-44.5
4047	ok	0.20	0.1	4.43e-02	5.7	5.7	7.1	7.1	0.2	-100.5	-3.7	7.4	50.7	-25.0
4048	ok	0.20	0.1	3.57e-02	5.7	5.7	7.1	7.1	4.6	-57.1	43.0	2.2	-22.4	-103.0
4049	ok	0.20	0.1	3.07e-02	5.7	5.7	7.1	7.1	1.3	-73.0	5.9	-11.3	21.7	-56.7
4050	ok	0.20	0.1	4.11e-02	5.7	5.7	7.1	7.1	-1.2	-98.8	-0.3	23.1	21.2	-31.1
4051	ok	0.20	0.1	3.27e-02	5.7	5.7	7.1	7.1	0.8	-37.5	31.3	-41.1	-47.3	-77.4
4052	ok	0.20	0.1	2.70e-02	5.7	5.7	7.1	7.1	1.8	-42.4	11.9	-19.9	-155.2	-106.2
4053	ok	0.20	0.1	3.48e-02	5.7	5.7	7.1	7.1	0.3	-71.5	5.1	9.5	-98.2	-72.7
4054	ok	0.20	0.1	3.21e-02	5.7	5.7	7.1	7.1	3.7	-16.0	31.4	-67.7	-83.6	-73.1
4055	ok	0.20	9.81e-02	2.16e-02	5.7	5.7	7.1	7.1	-0.4	-34.7	9.7	-18.6	-152.9	-100.6
4056	ok	0.20	6.54e-02	2.66e-02	5.7	5.7	7.1	7.1	0.4	-48.6	5.5	5.8	-98.4	-76.3
4057	ok	0.20	0.1	2.91e-02	5.7	5.7	7.1	7.1	5.5	11.2	34.9	-77.7	-62.2	-134.3
4058	ok	0.20	9.21e-02	1.62e-02	5.7	5.7	7.1	7.1	-2.3	-18.4	12.2	5.6	-46.1	-89.9
4059	ok	0.20	8.64e-02	1.64e-02	5.7	5.7	7.1	7.1	-0.1	-32.5	1.3	-3.5	32.9	-85.7

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.20	0.40	0.09	5.74	5.65	7.16	7.07	-104.18	-112.69	-203.92	-472.67	-622.23	-345.01
								78.98	185.77	184.21	575.80	627.04	337.04

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
2243	ok Av	6.46	0.02	0.25	0.6	7.3	6.1	74.6
2767	ok Av	7.85	0.15	0.27	4.4	7.9	44.7	80.5
3067	ok	4.18						
3362	ok Av	6.45	0.05	0.25	1.4	7.2	13.9	73.5
3368	ok	2.38						
3374	ok	2.56						
3380	ok	2.39						
3386	ok	3.91						
3393	ok	3.82						
3400	ok	5.09						
3407	ok	4.41						
3414	ok	4.90						
3420	ok	3.57						
3426	ok	3.14						
3432	ok	1.78						
3438	ok	2.97						
3444	ok	4.74						
3455	ok	4.66						
3456	ok	3.35						
3462	ok	3.55						
3468	ok	1.81						
3474	ok	5.05						
3486	ok	5.38						

3487	ok	5.57						
3494	ok	4.60						
3501	ok	4.73						
3508	ok	4.35						
3514	ok Av	7.21	0.15	0.25	4.3	7.1	44.0	72.8
3520	ok	4.18						
3526	ok	3.02						
3532	ok	4.01						
3538	ok	2.75						
3544	ok	3.32						
3550	ok	3.56						
3556	ok	3.85						
3562	ok	3.22						
3568	ok	4.06						
3574	ok Av	5.83	0.07	0.22	2.0	6.3	20.7	64.4
3580	ok Av	6.19	0.03	0.24	0.8	7.0	7.8	71.4
3586	ok	2.40						
3592	ok	4.75						
3648	ok	1.61						
3650	ok	0.96						
3652	ok	1.12						
3798	ok	3.05						
3800	ok	2.38						
3802	ok	1.64						
3941	ok	3.02						
3942	ok	1.68						
3943	ok	1.75						
3944	ok	1.22						
3945	ok	1.22						
3946	ok	1.70						
3947	ok	0.95						
3948	ok	0.70						
3949	ok	1.58						
3950	ok	1.03						
3951	ok	0.61						
3952	ok	1.34						
3953	ok	0.98						
3954	ok	0.55						
3955	ok	0.93						
3956	ok	0.97						
3957	ok	0.52						
3958	ok	0.77						
3959	ok	1.31						
3960	ok	0.41						
3961	ok	0.64						
3962	ok	0.88						
3963	ok	0.52						
3964	ok	0.58						
3965	ok	0.95						
3966	ok	0.45						
3967	ok	0.62						
3968	ok	1.06						
3969	ok	0.70						
3970	ok	0.48						
3971	ok	2.14						
3972	ok	0.39						
3973	ok	0.54						
3974	ok	0.81						
3975	ok	0.56						
3976	ok	0.26						
3978	ok	0.64						
3979	ok	0.39						
3980	ok	0.31						
3981	ok	0.92						
3982	ok	0.50						
3983	ok	0.16						
3984	ok	1.99						
3985	ok	0.41						
3986	ok	0.36						
3987	ok	1.08						
3988	ok	0.74						
3989	ok	0.27						
3990	ok	1.15						
3991	ok	0.54						
3992	ok	0.55						
3993	ok	0.95						
3994	ok	0.59						

3995	ok	0.48
3996	ok	1.25
3997	ok	0.48
3998	ok	0.59
3999	ok	0.91
4000	ok	0.54
4001	ok	0.52
4002	ok	1.05
4004	ok	0.43
4005	ok	0.51
4006	ok	0.83
4007	ok	0.31
4008	ok	0.57
4009	ok	0.74
4010	ok	0.76
4011	ok	0.48
4012	ok	0.91
4013	ok	0.67
4014	ok	0.38
4015	ok	2.23
4016	ok	0.29
4017	ok	0.20
4018	ok	0.98
4019	ok	0.64
4020	ok	0.21
4021	ok	0.92
4022	ok	0.63
4023	ok	0.33
4024	ok	0.57
4025	ok	0.45
4026	ok	0.41
4027	ok	0.85
4028	ok	0.49
4029	ok	0.39
4030	ok	0.86
4031	ok	0.52
4032	ok	0.42
4033	ok	1.28
4034	ok	0.43
4035	ok	0.38
4036	ok	1.08
4037	ok	0.60
4038	ok	0.22
4039	ok	1.60
4040	ok	0.40
4041	ok	0.28
4042	ok	1.17
4043	ok	0.55
4044	ok	0.39
4045	ok	1.26
4046	ok	0.48
4047	ok	0.55
4048	ok	0.74
4049	ok	0.53
4050	ok	0.84
4051	ok	0.70
4052	ok	0.54
4053	ok	0.98
4054	ok	0.76
4055	ok	0.54
4056	ok	1.27
4057	ok	0.81
4058	ok	0.82
4059	ok	1.40

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	7.85	0.15	0.27	4.38	7.88	44.73	80.49

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
10	15.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
2508	ok	0.20	0.2	8.23e-02	5.7	5.7	7.1	7.1	-20.1	93.2	18.7	65.4	73.0	-15.9
2514	ok	0.20	0.3	6.73e-02	5.7	5.7	7.1	7.1	47.2	155.8	-89.4	220.3	273.9	-94.9
2520	ok	0.20	0.2	5.07e-02	5.7	5.7	7.1	7.1	34.9	148.2	114.9	429.4	208.6	-146.7
2526	ok	0.20	0.2	7.75e-02	5.7	5.7	7.1	7.1	20.1	147.5	104.0	366.4	214.1	-92.9
2532	ok	0.20	0.2	7.48e-02	5.7	5.7	7.1	7.1	5.5	145.9	97.7	203.4	163.3	-52.6
2538	ok	0.20	0.1	7.28e-02	5.7	5.7	7.1	7.1	-1.7	121.0	91.5	151.7	132.0	-10.5
2544	ok	0.20	0.1	6.51e-02	5.7	5.7	7.1	7.1	2.4	-94.6	-97.0	132.3	-65.1	-114.3
2550	ok	0.20	0.1	5.13e-02	5.7	5.7	7.1	7.1	-4.9	19.3	-124.9	120.8	41.3	-150.2
2556	ok	0.20	0.1	6.10e-02	5.7	5.7	7.1	7.1	-0.8	-80.7	-95.8	121.2	-66.0	-103.4
2562	ok	0.20	0.1	6.59e-02	5.7	5.7	7.1	7.1	-6.9	-97.3	-94.2	108.3	-66.3	-75.9
2568	ok	0.20	0.1	6.22e-02	5.7	5.7	7.1	7.1	-15.6	77.6	71.1	-53.0	44.9	46.7
2574	ok	0.20	8.80e-02	5.62e-02	5.7	5.7	7.1	7.1	-1.8	95.1	65.5	5.6	73.5	73.5
2580	ok	0.20	9.43e-02	5.86e-02	5.7	5.7	7.1	7.1	-2.9	86.5	-93.0	-67.8	46.0	-15.2
2586	ok	0.20	8.83e-02	5.84e-02	5.7	5.7	7.1	7.1	-3.5	4.6	103.8	26.7	22.2	88.6
2592	ok	0.20	0.1	6.11e-02	5.7	5.7	7.1	7.1	-5.8	62.0	61.6	173.9	21.9	91.9
2598	ok	0.20	0.1	5.75e-02	5.7	5.7	7.1	7.1	6.2	71.2	-103.4	104.2	54.0	24.4
2605	ok	0.20	0.1	6.13e-02	5.7	5.7	7.1	7.1	6.8	-48.9	116.8	69.7	-6.8	19.0
2612	ok	0.20	9.00e-02	5.98e-02	5.7	5.7	7.1	7.1	0.5	-60.9	105.5	120.8	-18.8	37.5
2619	ok	0.20	0.1	6.63e-02	5.7	5.7	7.1	7.1	6.5	-66.9	113.9	119.8	-37.4	87.1
2626	ok	0.20	0.1	6.72e-02	5.7	5.7	7.1	7.1	1.5	-81.4	111.8	74.9	-34.4	93.4
2632	ok	0.20	0.1	7.15e-02	5.7	5.7	7.1	7.1	10.9	-58.3	124.0	65.7	-46.7	96.8
2638	ok	0.20	0.1	8.11e-02	5.7	5.7	7.1	7.1	-5.8	71.1	-89.4	125.9	88.7	-50.2
2644	ok	0.20	0.1	7.19e-02	5.7	5.7	7.1	7.1	-5.4	13.3	168.9	52.6	-8.1	101.4
2650	ok	0.20	0.1	6.38e-02	5.7	5.7	7.1	7.1	3.7	36.1	161.8	83.6	53.3	119.0
2656	ok	0.20	0.2	7.67e-02	5.7	5.7	7.1	7.1	28.0	204.1	137.7	132.3	257.5	42.3
2662	ok	0.20	0.3	0.2	5.7	5.7	7.1	7.1	-73.3	-377.5	77.5	-557.9	-588.5	1.3
2668	ok	0.21	0.3	0.1	5.7	6.4	7.1	7.8	36.0	350.7	-105.3	267.6	434.4	-24.4
2674	ok	0.20	0.1	7.19e-02	5.7	5.7	7.1	7.1	-9.2	122.7	-151.1	34.9	107.6	2.6
2680	ok	0.20	9.66e-02	7.28e-02	5.7	5.7	7.1	7.1	-2.3	23.5	-174.8	87.7	47.4	-73.2
2686	ok	0.20	0.1	7.74e-02	5.7	5.7	7.1	7.1	-13.3	4.4	98.8	10.5	-17.9	75.6
2692	ok	0.20	0.1	7.52e-02	5.7	5.7	7.1	7.1	19.2	19.7	-196.0	149.9	84.6	-58.2
2699	ok	0.20	0.1	8.01e-02	5.7	5.7	7.1	7.1	3.2	-21.2	119.0	23.5	-5.7	79.6
2706	ok	0.20	0.1	7.33e-02	5.7	5.7	7.1	7.1	15.9	-17.1	126.7	127.1	66.2	95.6
2713	ok	0.20	0.1	7.63e-02	5.7	5.7	7.1	7.1	5.1	-55.0	152.3	-5.9	-30.7	55.2
2720	ok	0.20	0.1	6.73e-02	5.7	5.7	7.1	7.1	15.3	-11.8	159.7	151.2	70.9	65.7
2726	ok	0.20	0.1	7.61e-02	5.7	5.7	7.1	7.1	17.7	-64.4	122.6	149.1	-12.5	68.9
2732	ok	0.20	0.1	7.00e-02	5.7	5.7	7.1	7.1	-0.2	-81.9	117.8	113.0	-32.1	123.2
2738	ok	0.20	0.1	6.81e-02	5.7	5.7	7.1	7.1	-1.7	99.4	-78.6	145.8	103.5	7.0
2744	ok	0.20	0.2	5.94e-02	5.7	5.7	7.1	7.1	10.4	36.1	161.5	264.1	94.6	166.7
2750	ok	0.20	0.3	5.23e-02	5.7	5.7	7.1	7.1	63.2	130.0	96.1	225.3	216.7	106.8
2756	ok	0.20	0.1	4.87e-02	5.7	5.7	7.1	7.1	-47.7	-106.0	-26.9	29.6	-208.3	50.0
3609	ok	0.20	6.95e-02	3.54e-02	5.7	5.7	7.1	7.1	-6.3	66.8	-36.8	36.9	6.9	-17.9
3610	ok	0.20	4.50e-02	2.70e-02	5.7	5.7	7.1	7.1	-6.5	72.1	-21.4	39.7	41.5	-20.7
3611	ok	0.20	5.07e-02	2.98e-02	5.7	5.7	7.1	7.1	-2.6	80.3	2.0	20.0	52.8	-16.4
3612	ok	0.20	0.1	3.60e-02	5.7	5.7	7.1	7.1	-3.0	29.6	-81.3	52.3	-301.5	0.4
3613	ok	0.20	5.17e-02	2.67e-02	5.7	5.7	7.1	7.1	5.9	-49.6	-7.0	-1.0	45.5	-40.4
3614	ok	0.20	6.70e-02	3.93e-02	5.7	5.7	7.1	7.1	-1.3	-85.3	6.7	-2.5	64.8	-27.2
3615	ok	0.20	0.1	2.85e-02	5.7	5.7	7.1	7.1	14.9	4.3	-20.7	4.3	-282.7	-7.3
3616	ok	0.20	0.1	2.73e-02	5.7	5.7	7.1	7.1	4.3	-51.8	-0.4	17.3	333.7	-26.5
3617	ok	0.20	7.55e-02	4.35e-02	5.7	5.7	7.1	7.1	-5.8	-104.3	5.2	16.2	70.5	-16.4
3618	ok	0.20	6.64e-02	3.32e-02	5.7	5.7	7.1	7.1	10.2	-48.3	-35.9	123.5	-36.9	-57.4
3619	ok	0.20	9.29e-02	3.17e-02	5.7	5.7	7.1	7.1	-7.0	-70.3	8.3	52.2	18.3	-0.3
3620	ok	0.20	6.82e-02	4.29e-02	5.7	5.7	7.1	7.1	-5.5	-101.6	6.5	0.5	48.5	-5.6
3621	ok	0.20	5.64e-02	3.19e-02	5.7	5.7	7.1	7.1	4.6	-58.7	-9.3	114.5	31.3	9.1
3622	ok	0.20	5.38e-02	3.70e-02	5.7	5.7	7.1	7.1	-1.7	-80.4	-15.7	105.3	20.6	-9.3
3623	ok	0.20	6.75e-02	4.84e-02	5.7	5.7	7.1	7.1	-2.0	-116.5	-1.0	7.3	0.7	-12.4
3624	ok	0.20	9.62e-02	3.18e-02	5.7	5.7	7.1	7.1	9.4	-58.0	-6.2	244.6	10.4	40.5
3625	ok	0.20	5.78e-02	4.05e-02	5.7	5.7	7.1	7.1	1.3	-97.4	1.7	25.9	-15.7	6.6
3626	ok	0.20	6.88e-02	5.24e-02	5.7	5.7	7.1	7.1	-0.4	-126.1	1.2	15.9	-9.3	-0.8
3627	ok	0.20	6.12e-02	3.63e-02	5.7	5.7	7.1	7.1	1.3	-70.3	-0.6	91.1	26.3	55.0
3628	ok	0.20	6.14e-02	4.03e-02	5.7	5.7	7.1	7.1	-0.3	-95.4	0.6	113.9	16.4	13.7
3629	ok	0.20	7.11e-02	5.14e-02	5.7	5.7	7.1	7.1	-1.3	-123.7	-1.4	5.8	0.5	16.2
3630	ok	0.20	6.73e-02	3.57e-02	5.7	5.7	7.1	7.1	-0.8	-61.6	14.3	150.8	-53.5	86.4
3631	ok	0.20	6.82e-02	3.65e-02	5.7	5.7	7.1	7.1	3.7	-83.2	9.9	-1.0	-62.9	41.8
3632	ok	0.20	7.22e-02	4.50e-02	5.7	5.7	7.1	7.1	-0.3	-108.3	0.7	13.4	-16.9	19.6
3633	ok	0.20	7.91e-02	3.86e-02	5.7	5.7	7.1	7.1	6.5	-64.5	-0.8	39.4	-60.5	67.8
3634	ok	0.20	6.68e-02	3.32e-02	5.7	5.7	7.1	7.1	1.1	-77.5	13.2	45.4	-41.2	36.6
3635	ok	0.20	7.88e-02	4.02e-02	5.7	5.7	7.1	7.1	0.5	-93.1	1.6	-7.5	48.5	24.7
3636	ok	0.20	9.46e-02	3.59e-02	5.7	5.7	7.1	7.1	-11.1	32.7	-34.7	121.4	128.7	77.2
3637	ok	0.20	7.86e-02	2.83e-02	5.7	5.7	7.1	7.1	2.2	-37.6	9.5	21.8	95.6	78.3
3638	ok	0.20	0.1	3.52e-02	5.7	5.7	7.1	7.1	-1.2	-79.5	2.1	0.8	161.6	51.8
3639	ok	0.20	0.1	3.67e-02	5.7	5.7	7.1	7.1	-3.6	13.6	-34.2	138.4	91.2	90.5
3640	ok	0.20	6.44e-02	2.17e-02	5.7	5.7	7.1	7.1	1.3	-29.8	15.2	17.1	69.5	114.0
3641	ok	0.20	0.1	2.86e-02	5.7	5.7	7.1	7.1	-2.1	-68.9	0.6	7.8	144.5	54.6
3642	ok	0.20	8.62e-02	3.09e-02	5.7	5.7	7.1	7.1	3.5	16.6	37.9	41.7	58.2	118.3

3643	ok	0.20	6.38e-02	1.37e-02	5.7	5.7	7.1	7.1	4.9	-19.6	19.5	9.2	139.2	60.5
3644	ok	0.20	6.80e-02	1.84e-02	5.7	5.7	7.1	7.1	-0.9	-37.8	-0.4	6.1	-47.1	55.3
3645	ok	0.20	0.1	2.10e-02	5.7	5.7	7.1	7.1	47.1	63.5	7.0	-50.4	-364.7	42.0
3646	ok	0.20	0.1	1.41e-02	5.7	5.7	7.1	7.1	0.7	8.1	21.0	-75.8	-269.4	22.7
3647	ok	0.20	8.25e-02	6.02e-03	5.7	5.7	7.1	7.1	-0.8	-9.7	-2.7	6.0	-183.3	28.5
4068	ok	0.20	0.3	2.78e-02	5.7	5.7	7.1	7.1	24.9	53.4	-56.6	-134.6	-548.9	128.9
4069	ok	0.20	0.2	3.63e-02	5.7	5.7	7.1	7.1	-3.4	-14.9	-76.1	-139.7	-88.2	27.1
4070	ok	0.20	0.3	1.34e-02	5.7	5.7	7.1	7.1	20.6	20.3	-13.3	-87.6	-613.9	59.5
4071	ok	0.20	0.2	8.04e-03	5.7	5.7	7.1	7.1	2.6	2.3	-9.9	-123.0	-363.6	-23.5
4072	ok	0.20	0.3	1.84e-03	5.7	5.7	7.1	7.1	4.9	57.6	-15.8	-60.8	-648.4	72.6
4073	ok	0.20	0.2	3.96e-03	5.7	5.7	7.1	7.1	-4.1	-4.3	-4.3	-8.2	-280.8	-22.6
4074	ok	0.20	0.2	4.09e-02	5.7	5.7	7.1	7.1	16.6	45.7	7.4	104.0	183.1	-139.9
4075	ok	0.20	6.71e-02	1.40e-02	5.7	5.7	7.1	7.1	4.8	11.3	-8.1	-2.0	108.9	-130.6
4076	ok	0.20	7.90e-02	1.24e-02	5.7	5.7	7.1	7.1	-3.1	-29.7	-1.7	-2.3	102.8	-76.5
4077	ok	0.20	0.2	4.14e-02	5.7	5.7	7.1	7.1	19.1	75.7	20.4	126.8	210.4	-165.7
4078	ok	0.20	0.1	1.96e-02	5.7	5.7	7.1	7.1	6.6	8.3	-5.6	25.4	156.8	-148.7
4079	ok	0.20	0.1	1.70e-02	5.7	5.7	7.1	7.1	-1.1	-35.9	-2.6	3.1	162.6	-107.0
4080	ok	0.20	0.1	3.85e-02	5.7	5.7	7.1	7.1	-7.8	71.9	56.6	188.7	214.3	-92.1
4081	ok	0.20	0.1	2.34e-02	5.7	5.7	7.1	7.1	2.3	-13.7	-2.9	25.4	99.5	-102.0
4082	ok	0.20	0.1	1.99e-02	5.7	5.7	7.1	7.1	-1.0	-41.6	-2.3	3.0	125.3	-69.9
4083	ok	0.20	8.61e-02	3.75e-02	5.7	5.7	7.1	7.1	-8.4	73.1	49.2	112.3	203.1	-36.6
4084	ok	0.20	9.08e-02	2.72e-02	5.7	5.7	7.1	7.1	1.9	-47.3	-16.5	29.0	-108.3	-21.0
4085	ok	0.20	8.54e-02	2.44e-02	5.7	5.7	7.1	7.1	-1.6	-58.2	-5.0	-6.3	-2.4	-32.5
4086	ok	0.20	7.75e-02	3.73e-02	5.7	5.7	7.1	7.1	7.6	-70.2	-42.6	162.4	-25.9	-69.6
4087	ok	0.20	7.07e-02	2.88e-02	5.7	5.7	7.1	7.1	7.5	-57.8	-16.2	-24.8	-102.8	-39.8
4088	ok	0.20	6.33e-02	2.89e-02	5.7	5.7	7.1	7.1	1.8	-55.7	-6.3	-8.0	-7.7	-31.5
4089	ok	0.20	7.56e-02	3.92e-02	5.7	5.7	7.1	7.1	0.6	-74.0	-43.0	82.2	-62.5	-60.7
4090	ok	0.20	6.83e-02	3.09e-02	5.7	5.7	7.1	7.1	4.5	-73.3	-8.3	65.4	-58.0	-67.9
4091	ok	0.20	6.65e-02	3.33e-02	5.7	5.7	7.1	7.1	3.1	-66.9	-6.1	-20.6	-90.7	-29.3
4092	ok	0.20	8.01e-02	3.97e-02	5.7	5.7	7.1	7.1	2.4	-77.1	-41.3	122.0	-71.4	-78.8
4093	ok	0.20	6.76e-02	3.29e-02	5.7	5.7	7.1	7.1	-0.7	-74.8	-5.9	24.7	-68.5	-50.3
4095	ok	0.20	6.60e-02	3.74e-02	5.7	5.7	7.1	7.1	-2.0	-89.8	-3.5	7.1	1.8	-35.8
4096	ok	0.20	7.15e-02	3.89e-02	5.7	5.7	7.1	7.1	-4.3	-79.9	-14.8	89.5	-74.9	-34.8
4097	ok	0.20	6.96e-02	3.48e-02	5.7	5.7	7.1	7.1	-2.6	-83.0	-7.7	77.2	-51.0	-50.7
4098	ok	0.20	6.59e-02	4.11e-02	5.7	5.7	7.1	7.1	-2.4	-98.8	-2.5	2.2	3.1	-26.0
4099	ok	0.20	7.32e-02	3.69e-02	5.7	5.7	7.1	7.1	-1.4	-81.0	1.3	33.8	-51.7	-60.1
4100	ok	0.20	6.63e-02	3.57e-02	5.7	5.7	7.1	7.1	0.5	-83.4	-5.4	18.1	-65.1	-32.6
4101	ok	0.20	6.37e-02	4.44e-02	5.7	5.7	7.1	7.1	-2.3	-106.8	-1.5	10.7	8.4	-26.7
4102	ok	0.20	6.93e-02	3.93e-02	5.7	5.7	7.1	7.1	-4.6	-83.9	-12.7	103.2	-37.0	-54.3
4103	ok	0.20	6.28e-02	3.70e-02	5.7	5.7	7.1	7.1	-1.5	-88.9	-4.5	49.5	13.7	-28.3
4104	ok	0.20	6.45e-02	4.73e-02	5.7	5.7	7.1	7.1	-2.4	-113.8	-0.6	3.5	11.7	-22.4
4105	ok	0.20	6.98e-02	3.44e-02	5.7	5.7	7.1	7.1	-7.8	61.7	16.4	-58.1	51.8	16.9
4106	ok	0.20	5.61e-02	3.80e-02	5.7	5.7	7.1	7.1	-4.3	-89.4	-2.0	52.2	-19.9	-23.2
4107	ok	0.20	6.71e-02	4.93e-02	5.7	5.7	7.1	7.1	-2.2	-118.5	0.9	12.3	17.5	-18.7
4108	ok	0.20	7.89e-02	3.62e-02	5.7	5.7	7.1	7.1	-5.4	-69.7	36.8	156.3	7.8	-18.4
4109	ok	0.20	6.34e-02	3.88e-02	5.7	5.7	7.1	7.1	-0.8	-89.9	-2.1	116.0	27.8	14.2
4110	ok	0.20	7.49e-02	5.06e-02	5.7	5.7	7.1	7.1	-2.5	-121.6	-0.2	3.2	42.1	-3.5
4111	ok	0.20	0.1	3.50e-02	5.7	5.7	7.1	7.1	3.3	-68.8	35.8	122.1	18.0	-30.6
4112	ok	0.20	6.16e-02	3.88e-02	5.7	5.7	7.1	7.1	4.7	-86.5	1.5	46.9	51.3	9.4
4113	ok	0.20	7.83e-02	5.17e-02	5.7	5.7	7.1	7.1	-1.3	-123.0	3.4	38.6	52.9	-3.8
4114	ok	0.20	7.77e-02	3.76e-02	5.7	5.7	7.1	7.1	5.4	-53.7	15.5	128.2	29.1	16.8
4115	ok	0.20	6.74e-02	3.79e-02	5.7	5.7	7.1	7.1	0.9	-79.4	13.5	55.0	17.2	-5.1
4116	ok	0.20	7.71e-02	5.24e-02	5.7	5.7	7.1	7.1	-3.1	-125.9	2.1	1.9	43.9	3.1
4117	ok	0.20	8.48e-02	3.44e-02	5.7	5.7	7.1	7.1	2.8	-61.1	42.0	97.7	13.5	0.2
4118	ok	0.20	5.47e-02	3.60e-02	5.7	5.7	7.1	7.1	0.4	-84.3	2.9	44.0	27.1	15.6
4119	ok	0.20	7.07e-02	4.79e-02	5.7	5.7	7.1	7.1	-4.0	-115.0	4.6	40.0	37.2	21.4
4120	ok	0.20	5.76e-02	3.57e-02	5.7	5.7	7.1	7.1	0.5	-62.6	21.0	106.2	-21.1	48.2
4121	ok	0.20	5.25e-02	3.31e-02	5.7	5.7	7.1	7.1	-3.2	-77.1	13.3	100.7	8.3	42.3
4122	ok	0.20	5.63e-02	4.10e-02	5.7	5.7	7.1	7.1	0.1	-80.4	6.4	-3.1	-31.9	27.9
4123	ok	0.20	7.26e-02	3.52e-02	5.7	5.7	7.1	7.1	5.9	-57.1	44.6	145.0	-24.3	79.8
4124	ok	0.20	5.82e-02	2.90e-02	5.7	5.7	7.1	7.1	0.9	-57.7	10.5	29.7	-49.2	47.5
4125	ok	0.20	5.42e-02	3.25e-02	5.7	5.7	7.1	7.1	1.5	-62.1	6.8	23.7	-49.7	30.1
4126	ok	0.20	7.01e-02	3.59e-02	5.7	5.7	7.1	7.1	2.8	-54.7	25.3	76.9	-42.0	61.9
4127	ok	0.20	7.61e-02	2.49e-02	5.7	5.7	7.1	7.1	0.1	-52.7	20.2	74.3	-39.0	58.7
4128	ok	0.20	5.27e-02	2.34e-02	5.7	5.7	7.1	7.1	1.9	-44.9	4.7	-12.1	-74.6	36.4
4129	ok	0.20	7.98e-02	3.47e-02	5.7	5.7	7.1	7.1	10.5	-46.8	57.4	109.8	-3.8	90.0
4130	ok	0.20	0.1	2.06e-02	5.7	5.7	7.1	7.1	-9.9	-27.3	-13.7	61.3	342.0	4.3
4131	ok	0.20	4.63e-02	1.78e-02	5.7	5.7	7.1	7.1	0.5	-35.0	3.1	11.6	-71.8	38.9
4132	ok	0.20	7.89e-02	3.24e-02	5.7	5.7	7.1	7.1	-13.1	30.7	-36.5	75.3	128.4	-9.8
4133	ok	0.20	9.71e-02	1.50e-02	5.7	5.7	7.1	7.1	-5.6	25.3	22.1	42.3	-60.0	37.8
4134	ok	0.20	5.56e-02	1.71e-02	5.7	5.7	7.1	7.1	3.7	38.3	9.0	-5.0	-82.9	15.7
4135	ok	0.20	7.57e-02	3.10e-02	5.7	5.7	7.1	7.1	-8.9	-6.3	29.4	-20.4	-102.7	51.9
4136	ok	0.20	4.07e-02	1.04e-02	5.7	5.7	7.1	7.1	2.1	47.4	28.4	-11.9	-55.4	38.1
4137	ok	0.20	4.73e-02	1.68e-02	5.7	5.7	7.1	7.1	-0.9	52.8	7.1	4.2	-86.3	16.3
4138	ok	0.20	6.80e-02	3.50e-02	5.7	5.7	7.1	7.1	-9.1	25.0	74.5	-39.1	51.4	27.6
4139	ok	0.20	4.30e-02	1.40e-02	5.7	5.7	7.1	7.1	-1.3	68.8	10.2	23.4	83.6	57.7
4140	ok	0.20	0.1	9.40e-03	5.7	5.7	7.1	7.1	-2.4	89.3	-1.0	32.1	-30.4	21.1

4141	ok	0.20	0.1	5.10e-02	5.7	5.7	7.1	7.1	-4.8	127.9	30.8	91.1	297.9	73.1
4142	ok	0.20	9.94e-02	1.67e-02	5.7	5.7	7.1	7.1	-12.6	102.0	18.2	90.6	211.9	46.0
4143	ok	0.20	0.2	2.32e-03	5.7	5.7	7.1	7.1	-3.9	101.6	0.3	21.3	178.2	10.1
4144	ok	0.20	0.2	4.39e-02	5.7	5.7	7.1	7.1	-69.3	142.4	-44.7	390.9	318.6	-2.9
4145	ok	0.20	0.1	1.38e-02	5.7	5.7	7.1	7.1	-8.6	114.8	2.2	-1.0	204.6	-2.1
4146	ok	0.20	9.54e-02	9.06e-04	5.7	5.7	7.1	7.1	0.7	121.8	-1.2	8.2	-66.1	11.2
4147	ok	0.20	0.2	5.02e-02	5.7	5.7	7.1	7.1	-28.5	107.7	-21.9	174.6	353.1	38.9
4148	ok	0.20	0.1	2.09e-02	5.7	5.7	7.1	7.1	-4.3	104.8	-9.3	82.9	245.1	-45.3
4149	ok	0.20	8.86e-02	2.96e-03	5.7	5.7	7.1	7.1	1.0	113.2	7.1	-8.1	110.5	-27.8
4150	ok	0.20	8.55e-02	4.23e-02	5.7	5.7	7.1	7.1	-6.8	113.6	-24.1	61.9	126.6	-55.1
4151	ok	0.20	8.12e-02	2.53e-02	5.7	5.7	7.1	7.1	-12.3	88.3	-12.2	73.5	170.8	-51.0
4152	ok	0.20	6.56e-02	1.74e-02	5.7	5.7	7.1	7.1	-5.8	85.9	5.5	46.6	145.6	-14.9

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.21	0.31	0.17	5.65	6.36	7.07	7.78	-73.30 63.22	-377.50 350.68	-196.04 168.86	-557.94 429.39	-648.38 434.42	-165.70 166.66

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
2508	ok Av	8.05	0.06	0.31	1.8	9.0	18.0	91.7
2514	ok Av	7.63	0.11	0.28	3.2	8.1	32.3	82.4
2520	ok	5.27						
2526	ok	4.18						
2532	ok	2.83						
2538	ok	2.92						
2544	ok	5.14						
2550	ok	4.66						
2556	ok	2.80						
2562	ok	2.74						
2568	ok	2.88						
2574	ok	2.94						
2580	ok	2.98						
2586	ok	4.50						
2592	ok	5.44						
2598	ok	5.13						
2605	ok	4.23						
2612	ok	4.39						
2619	ok	4.00						
2626	ok	4.08						
2632	ok	3.35						
2638	ok	3.07						
2644	ok	2.69						
2650	ok	3.98						
2656	ok	5.26						
2662	ok Av	9.71	0.14	0.35	4.0	10.3	40.4	105.2
2668	ok Av	6.74	0.05	0.26	1.4	7.5	13.9	77.1
2674	ok Av	5.79	0.02	0.23	0.5	6.6	5.1	67.0
2680	ok	4.03						
2686	ok	3.43						
2692	ok	3.62						
2699	ok	3.60						
2706	ok	4.66						
2713	ok	4.42						
2720	ok	4.25						
2726	ok	3.14						
2732	ok	2.78						
2738	ok	1.61						
2744	ok	2.59						
2750	ok	4.16						
2756	ok	4.78						
3609	ok	1.17						
3610	ok	0.45						
3611	ok	0.34						
3612	ok	1.39						
3613	ok	0.46						
3614	ok	0.39						
3615	ok	1.18						
3616	ok	0.35						
3617	ok	0.38						
3618	ok	1.52						
3619	ok	0.32						
3620	ok	0.31						
3621	ok	1.08						
3622	ok	0.46						
3623	ok	0.28						

3624	ok	1.47
3625	ok	0.30
3626	ok	0.30
3627	ok	0.93
3628	ok	0.47
3629	ok	0.36
3630	ok	1.30
3631	ok	0.45
3632	ok	0.55
3633	ok	0.75
3634	ok	0.45
3635	ok	0.70
3636	ok	0.82
3637	ok	0.44
3638	ok	0.89
3639	ok	0.56
3640	ok	0.38
3641	ok	1.06
3642	ok	1.09
3643	ok	1.02
3644	ok	1.12
3645	ok	2.88
3646	ok	1.62
3647	ok	0.57
4068	ok	2.43
4069	ok	2.40
4070	ok	2.14
4071	ok	1.54
4072	ok	0.72
4073	ok	1.35
4074	ok	1.15
4075	ok	1.27
4076	ok	1.52
4077	ok	1.16
4078	ok	0.56
4079	ok	1.43
4080	ok	1.10
4081	ok	0.54
4082	ok	1.13
4083	ok	0.95
4084	ok	0.50
4085	ok	0.95
4086	ok	1.73
4087	ok	0.39
4088	ok	0.78
4089	ok	0.85
4090	ok	0.53
4091	ok	0.66
4092	ok	0.93
4093	ok	0.32
4095	ok	0.55
4096	ok	0.81
4097	ok	0.42
4098	ok	0.52
4099	ok	1.11
4100	ok	0.30
4101	ok	0.42
4102	ok	0.86
4103	ok	0.45
4104	ok	0.38
4105	ok	0.91
4106	ok	0.34
4107	ok	0.30
4108	ok	0.94
4109	ok	0.62
4110	ok	0.21
4111	ok	1.81
4112	ok	0.32
4113	ok	0.26
4114	ok	1.10
4115	ok	0.68
4116	ok	0.24
4117	ok	1.16
4118	ok	0.39
4119	ok	0.37
4120	ok	0.97
4121	ok	0.47

4122	ok	0.47
4123	ok	1.13
4124	ok	0.38
4125	ok	0.48
4126	ok	0.98
4127	ok	0.47
4128	ok	0.59
4129	ok	1.24
4130	ok	0.33
4131	ok	0.48
4132	ok	0.95
4133	ok	0.29
4134	ok	0.52
4135	ok	1.00
4136	ok	0.38
4137	ok	0.53
4138	ok	0.90
4139	ok	0.59
4140	ok	0.48
4141	ok	1.13
4142	ok	0.60
4143	ok	0.35
4144	ok	2.65
4145	ok	0.22
4146	ok	0.26
4147	ok	1.35
4148	ok	0.79
4149	ok	0.25
4150	ok	1.20
4151	ok	0.68
4152	ok	0.31

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	9.71	0.14	0.35	3.96	10.30	40.42	105.18

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
12	15.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
2756	ok	0.20	0.3	3.26e-02	5.7	5.7	7.1	7.1	135.0	11.1	87.7	546.8	4.4	13.9
3067	ok	0.20	0.2	2.88e-02	5.7	5.7	7.1	7.1	157.0	21.2	-101.2	353.3	-79.3	-76.2
3068	ok	0.20	0.2	5.94e-02	5.7	5.7	7.1	7.1	-135.1	-9.6	13.0	235.6	40.2	79.6
3074	ok	0.20	9.59e-02	2.30e-02	5.7	5.7	7.1	7.1	-30.0	-50.6	-10.4	162.3	-62.5	24.3
3080	ok	0.20	7.24e-02	9.57e-03	5.7	5.7	7.1	7.1	-6.0	27.9	-22.4	95.8	25.9	-26.1
3086	ok	0.20	7.24e-02	1.21e-02	5.7	5.7	7.1	7.1	1.7	65.5	-21.7	107.3	34.4	-23.3
3092	ok	0.20	6.36e-02	1.36e-02	5.7	5.7	7.1	7.1	-6.4	38.4	-19.3	-1.2	20.1	-53.0
3098	ok	0.20	4.68e-02	1.22e-02	5.7	5.7	7.1	7.1	-3.8	57.9	-16.2	-46.0	17.6	-36.8
3104	ok	0.20	6.91e-02	1.24e-02	5.7	5.7	7.1	7.1	-5.3	56.3	-14.1	-37.5	-39.3	-36.3
3110	ok	0.20	6.63e-02	1.45e-02	5.7	5.7	7.1	7.1	-6.3	55.7	-9.5	-45.0	-41.9	-30.9
3116	ok	0.20	4.35e-02	1.60e-02	5.7	5.7	7.1	7.1	-3.5	75.9	-12.9	-25.8	44.3	-34.2
3122	ok	0.20	7.73e-02	3.72e-02	5.7	5.7	7.1	7.1	6.3	111.1	-3.5	52.5	71.3	-17.8
3128	ok	0.20	7.52e-02	4.52e-02	5.7	5.7	7.1	7.1	9.1	138.6	16.8	51.2	76.5	-45.6
3134	ok	0.20	0.1	5.15e-02	5.7	5.7	7.1	7.1	24.1	179.9	-35.0	52.0	82.7	-76.4
3140	ok	0.20	7.64e-02	4.73e-02	5.7	5.7	7.1	7.1	9.7	166.6	-20.1	79.3	81.3	28.5
3146	ok	0.20	6.30e-02	2.15e-02	5.7	5.7	7.1	7.1	-0.2	115.5	-8.5	43.0	41.0	-2.9
3152	ok	0.20	5.80e-02	2.18e-02	5.7	5.7	7.1	7.1	-6.8	99.4	3.3	71.7	40.6	-7.5
3158	ok	0.20	5.51e-02	1.58e-02	5.7	5.7	7.1	7.1	-5.6	81.1	-1.1	-41.1	10.8	-16.2
3164	ok	0.20	5.03e-02	1.03e-02	5.7	5.7	7.1	7.1	-3.5	84.6	1.5	-34.9	17.8	-41.7
3170	ok	0.20	4.83e-02	1.18e-02	5.7	5.7	7.1	7.1	-4.0	86.5	-3.8	-46.1	8.3	-17.8
3176	ok	0.20	5.82e-02	1.11e-02	5.7	5.7	7.1	7.1	-2.2	87.9	0.8	-33.5	14.1	-34.3
3182	ok	0.20	4.50e-02	1.08e-02	5.7	5.7	7.1	7.1	-3.7	85.9	-3.5	-51.6	6.0	-17.7
3188	ok	0.20	5.55e-02	1.02e-02	5.7	5.7	7.1	7.1	-4.8	79.9	-1.5	-41.5	10.5	-9.1
3194	ok	0.20	4.50e-02	9.92e-03	5.7	5.7	7.1	7.1	-3.0	84.7	-3.0	-61.2	5.0	-11.8
3200	ok	0.20	4.33e-02	9.37e-03	5.7	5.7	7.1	7.1	-2.4	82.4	-2.1	-44.6	10.5	-9.2
3206	ok	0.20	4.12e-02	9.05e-03	5.7	5.7	7.1	7.1	-5.3	79.8	6.0	-53.1	3.3	-3.1
3212	ok	0.20	4.16e-02	8.63e-03	5.7	5.7	7.1	7.1	-2.5	84.5	-1.9	-41.5	10.7	-8.6
3218	ok	0.20	4.12e-02	9.15e-03	5.7	5.7	7.1	7.1	-5.3	79.8	-5.8	-53.0	3.3	3.0
3224	ok	0.20	4.33e-02	9.34e-03	5.7	5.7	7.1	7.1	-3.4	81.3	-1.4	-45.8	9.8	11.9
3230	ok	0.20	4.13e-02	9.96e-03	5.7	5.7	7.1	7.1	-5.8	78.1	-2.7	-56.6	3.7	-8.7

3236	ok	0.20	5.59e-02	1.02e-02	5.7	5.7	7.1	7.1	-3.5	79.6	1.6	-51.2	10.4	8.3
3242	ok	0.20	4.52e-02	1.08e-02	5.7	5.7	7.1	7.1	-3.7	85.4	3.6	-52.3	5.9	17.5
3248	ok	0.20	5.87e-02	1.11e-02	5.7	5.7	7.1	7.1	-5.0	76.6	2.5	-44.4	10.3	36.5
3254	ok	0.20	4.96e-02	1.17e-02	5.7	5.7	7.1	7.1	-6.9	72.0	-1.1	-63.0	4.1	-3.7
3260	ok	0.20	4.78e-02	1.01e-02	5.7	5.7	7.1	7.1	-5.8	73.6	2.9	-41.8	11.4	42.4
3266	ok	0.20	5.04e-02	1.52e-02	5.7	5.7	7.1	7.1	-5.6	80.5	2.5	-38.4	11.4	16.5
3272	ok	0.20	5.72e-02	2.05e-02	5.7	5.7	7.1	7.1	-5.5	97.8	-2.8	60.8	39.3	3.9
3278	ok	0.20	5.60e-02	2.01e-02	5.7	5.7	7.1	7.1	0.7	112.6	9.0	38.7	38.0	2.0
3284	ok	0.20	6.74e-02	4.07e-02	5.7	5.7	7.1	7.1	8.5	149.9	17.8	68.4	67.6	-27.1
3290	ok	0.20	0.1	5.63e-02	5.7	5.7	7.1	7.1	23.1	166.2	35.5	37.1	71.1	70.9
3296	ok	0.20	9.94e-02	5.34e-02	5.7	5.7	7.1	7.1	16.1	154.7	12.9	66.7	123.5	-4.7
3302	ok	0.20	0.1	6.01e-02	5.7	5.7	7.1	7.1	-32.7	-142.6	-14.6	-44.4	-145.6	-15.5
3308	ok	0.20	4.99e-02	2.64e-02	5.7	5.7	7.1	7.1	-5.1	54.7	12.2	-48.0	9.5	36.2
3314	ok	0.20	6.12e-02	2.34e-02	5.7	5.7	7.1	7.1	13.9	116.4	12.1	71.8	49.1	31.9
3320	ok	0.20	4.98e-02	1.30e-02	5.7	5.7	7.1	7.1	-3.0	60.0	7.8	-47.9	15.6	41.4
3326	ok	0.20	4.84e-02	1.10e-02	5.7	5.7	7.1	7.1	-2.8	60.2	16.2	-34.0	-18.8	41.5
3332	ok	0.20	5.05e-02	1.27e-02	5.7	5.7	7.1	7.1	-5.2	44.3	18.2	5.7	27.5	38.5
3338	ok	0.20	5.93e-02	1.05e-02	5.7	5.7	7.1	7.1	-2.7	47.8	22.8	13.5	22.9	37.2
3344	ok	0.20	7.13e-02	1.03e-02	5.7	5.7	7.1	7.1	-6.1	28.3	21.5	45.7	37.1	27.3
3350	ok	0.20	0.1	2.49e-02	5.7	5.7	7.1	7.1	-29.6	-53.0	13.7	168.9	-58.3	-8.0
3356	ok	0.20	0.2	5.93e-02	5.7	5.7	7.1	7.1	-11.2	-51.7	19.8	223.3	-59.3	55.3
3645	ok	0.20	0.1	1.85e-02	5.7	5.7	7.1	7.1	-1.3	23.2	21.7	-99.3	-283.8	-18.8
3646	ok	0.20	0.1	1.17e-02	5.7	5.7	7.1	7.1	-1.4	8.3	20.9	-81.1	-309.4	5.3
3647	ok	0.20	0.1	2.09e-03	5.7	5.7	7.1	7.1	-0.1	12.9	1.6	-13.4	-366.3	32.3
3648	ok	0.20	0.2	1.26e-02	5.7	5.7	7.1	7.1	3.9	9.3	-9.8	-138.9	-425.3	-1.0
3649	ok	0.20	9.34e-02	1.78e-02	5.7	5.7	7.1	7.1	-14.6	14.7	-27.5	-31.1	-254.2	-72.7
3650	ok	0.20	0.1	1.39e-02	5.7	5.7	7.1	7.1	18.5	13.6	-17.2	-52.0	-449.9	12.9
3651	ok	0.20	0.1	6.64e-03	5.7	5.7	7.1	7.1	-3.1	18.9	-16.9	-65.5	-338.8	-37.6
3652	ok	0.20	0.1	2.04e-03	5.7	5.7	7.1	7.1	1.6	11.6	8.84e-02	-18.1	-308.1	-19.7
3653	ok	0.20	0.1	9.50e-04	5.7	5.7	7.1	7.1	-2.1	30.1	0.6	20.0	-205.3	-25.9
3654	ok	0.20	5.49e-02	9.65e-03	5.7	5.7	7.1	7.1	-8.7	20.4	-8.7	107.8	-75.9	-11.3
3655	ok	0.20	4.77e-02	4.52e-03	5.7	5.7	7.1	7.1	-4.5	32.5	-11.6	-5.8	-40.8	6.5
3656	ok	0.20	5.74e-02	9.21e-04	5.7	5.7	7.1	7.1	-0.3	47.6	-1.3	3.9	-60.2	6.6
3657	ok	0.20	5.16e-02	7.21e-03	5.7	5.7	7.1	7.1	-5.3	29.8	-21.1	69.7	21.8	-8.2
3658	ok	0.20	2.12e-02	3.44e-03	5.7	5.7	7.1	7.1	-1.2	35.2	-12.0	17.1	24.3	-7.4
3659	ok	0.20	4.31e-02	6.21e-04	5.7	5.7	7.1	7.1	-0.6	55.6	-0.8	4.7	-6.1	14.8
3660	ok	0.20	5.78e-02	7.72e-03	5.7	5.7	7.1	7.1	-1.9	38.8	-12.8	38.5	28.5	-4.1
3661	ok	0.20	3.24e-02	3.62e-03	5.7	5.7	7.1	7.1	-0.8	43.0	-10.7	26.4	32.7	1.3
3662	ok	0.20	4.27e-02	8.11e-04	5.7	5.7	7.1	7.1	-0.8	56.9	-0.6	5.5	12.4	16.1
3663	ok	0.20	4.92e-02	7.56e-03	5.7	5.7	7.1	7.1	-4.0	36.7	-13.7	27.8	27.0	-16.1
3664	ok	0.20	2.60e-02	3.05e-03	5.7	5.7	7.1	7.1	0.2	50.3	-3.9	10.4	34.3	-13.3
3665	ok	0.20	1.86e-02	8.57e-04	5.7	5.7	7.1	7.1	-0.2	55.7	-3.7	5.8	39.4	-10.2
3666	ok	0.20	4.91e-02	7.52e-03	5.7	5.7	7.1	7.1	-5.8	52.0	-13.3	-23.7	24.1	-27.0
3667	ok	0.20	2.32e-02	3.67e-03	5.7	5.7	7.1	7.1	-3.3	50.3	-8.1	3.3	30.1	-29.0
3668	ok	0.20	1.81e-02	7.71e-04	5.7	5.7	7.1	7.1	-1.6	54.7	-2.4	1.1	36.6	-24.9
3669	ok	0.20	4.29e-02	8.66e-03	5.7	5.7	7.1	7.1	-5.8	51.1	-12.4	-36.3	25.2	-39.9
3670	ok	0.20	2.67e-02	4.26e-03	5.7	5.7	7.1	7.1	-2.9	56.4	-7.7	-10.3	26.8	-29.0
3671	ok	0.20	1.99e-02	1.06e-03	5.7	5.7	7.1	7.1	-1.6	60.4	-2.3	3.5	32.4	-28.0
3672	ok	0.20	7.72e-02	8.95e-03	5.7	5.7	7.1	7.1	-7.3	57.0	-14.5	-45.1	11.4	-31.5
3673	ok	0.20	2.24e-02	4.83e-03	5.7	5.7	7.1	7.1	-3.2	61.3	-7.4	-6.4	30.3	-31.6
3674	ok	0.20	2.17e-02	2.34e-03	5.7	5.7	7.1	7.1	-1.3	66.6	-2.3	-1.9	24.0	-27.5
3675	ok	0.20	7.54e-02	1.18e-02	5.7	5.7	7.1	7.1	-5.0	71.4	-11.6	-28.1	53.8	-20.2
3676	ok	0.20	2.97e-02	5.91e-03	5.7	5.7	7.1	7.1	-2.4	66.7	-6.7	-17.5	30.4	-27.7
3677	ok	0.20	2.44e-02	4.54e-03	5.7	5.7	7.1	7.1	-1.1	73.4	-2.4	0.4	12.6	-26.2
3678	ok	0.20	0.1	1.15e-02	5.7	5.7	7.1	7.1	-8.5	56.1	-3.3	94.2	90.2	-6.8
3679	ok	0.20	2.65e-02	6.94e-03	5.7	5.7	7.1	7.1	-1.8	66.9	-4.8	-15.8	15.9	-28.9
3680	ok	0.20	2.38e-02	6.61e-03	5.7	5.7	7.1	7.1	0.5	87.5	-3.5	-6.1	-5.9	-19.2
3681	ok	0.20	0.1	1.22e-02	5.7	5.7	7.1	7.1	-11.8	52.0	-2.2	70.1	91.0	-23.7
3682	ok	0.20	1.97e-02	7.54e-03	5.7	5.7	7.1	7.1	-7.9	77.7	-5.5	2.0	-9.4	-18.2
3683	ok	0.20	1.95e-02	8.68e-03	5.7	5.7	7.1	7.1	0.3	92.5	-2.7	-5.9	-9.6	-15.0
3684	ok	0.20	0.1	1.08e-02	5.7	5.7	7.1	7.1	1.9	30.6	-17.1	81.1	6.7	-19.3
3685	ok	0.20	3.55e-02	8.35e-03	5.7	5.7	7.1	7.1	-3.2	80.3	-0.7	-14.3	-9.6	-46.4
3686	ok	0.20	2.39e-02	1.04e-02	5.7	5.7	7.1	7.1	-0.1	94.4	-1.1	-7.2	-10.1	-19.2
3687	ok	0.20	6.76e-02	1.02e-02	5.7	5.7	7.1	7.1	-4.4	82.5	-7.0	-22.0	15.6	-55.4
3688	ok	0.20	3.90e-02	8.54e-03	5.7	5.7	7.1	7.1	-2.9	82.4	-0.2	-27.7	-9.6	-21.1
3689	ok	0.20	2.50e-02	1.13e-02	5.7	5.7	7.1	7.1	-0.1	95.1	-0.5	-1.7	-7.5	-13.7
3690	ok	0.20	5.73e-02	9.35e-03	5.7	5.7	7.1	7.1	-1.1	76.6	-4.9	30.3	37.9	13.8
3691	ok	0.20	3.57e-02	8.65e-03	5.7	5.7	7.1	7.1	-5.2	56.2	-4.4	28.6	32.7	5.0
3692	ok	0.20	2.83e-02	1.12e-02	5.7	5.7	7.1	7.1	0.2	95.5	0.8	-8.1	-7.8	-18.9
3693	ok	0.20	5.35e-02	9.57e-03	5.7	5.7	7.1	7.1	-9.0	68.8	-4.7	35.7	36.5	-9.7
3694	ok	0.20	3.68e-02	8.80e-03	5.7	5.7	7.1	7.1	-0.3	87.7	-2.2	-26.7	9.6	-20.7
3695	ok	0.20	2.27e-02	1.06e-02	5.7	5.7	7.1	7.1	0.3	95.7	1.0	-8.2	-3.1	-17.0
3696	ok	0.20	5.68e-02	9.73e-03	5.7	5.7	7.1	7.1	-3.8	86.1	-1.1	-37.9	14.8	-11.6
3697	ok	0.20	2.73e-02	8.86e-03	5.7	5.7	7.1	7.1	-1.8	89.4	-2.0	-6.9	18.0	-26.0
3698	ok	0.20	1.85e-02	1.00e-02	5.7	5.7	7.1	7.1	0.1	96.5	-1.2	-5.6	11.6	-10.1
3699	ok	0.20	4.44e-02	9.45e-03	5.7	5.7	7.1	7.1	-3.4	83.2	0.8	-39.1	12.9	-21.6
3700	ok	0.20	2.84e-02	8.88e-03	5.7	5.7	7.1	7.1	-2.6	89.5	-0.5	-15.7	16.2	-12.4

3701	ok	0.20	1.83e-02	1.00e-02	5.7	5.7	7.1	7.1	-0.1	98.4	-1.0	-1.0	12.0	-5.7
3702	ok	0.20	4.96e-02	8.97e-03	5.7	5.7	7.1	7.1	-3.3	86.7	-0.8	-47.8	5.5	-22.2
3703	ok	0.20	2.31e-02	9.10e-03	5.7	5.7	7.1	7.1	-2.1	91.6	-1.0	-5.9	12.2	-15.1
3704	ok	0.20	1.77e-02	9.98e-03	5.7	5.7	7.1	7.1	-0.2	99.7	-0.8	-4.8	9.7	-6.2
3705	ok	0.20	4.27e-02	9.19e-03	5.7	5.7	7.1	7.1	-3.1	82.1	-0.8	-45.7	5.9	-20.0
3706	ok	0.20	2.58e-02	8.90e-03	5.7	5.7	7.1	7.1	-1.8	92.2	0.4	-15.2	10.0	-12.9
3707	ok	0.20	1.75e-02	9.86e-03	5.7	5.7	7.1	7.1	-0.1	100.3	-0.7	0.1	9.6	2.3
3708	ok	0.20	4.76e-02	8.63e-03	5.7	5.7	7.1	7.1	-4.2	87.5	0.1	-43.4	3.6	-20.3
3709	ok	0.20	2.25e-02	8.97e-03	5.7	5.7	7.1	7.1	-1.2	93.1	-0.9	-2.3	10.7	-8.6
3710	ok	0.20	1.66e-02	9.70e-03	5.7	5.7	7.1	7.1	-0.1	100.7	0.7	-4.8	8.3	-5.2
3711	ok	0.20	4.34e-02	8.82e-03	5.7	5.7	7.1	7.1	-3.1	86.6	0.6	-42.3	5.3	-22.3
3712	ok	0.20	2.26e-02	8.78e-03	5.7	5.7	7.1	7.1	-1.8	93.3	1.0	-16.2	7.9	-11.3
3713	ok	0.20	1.65e-02	9.52e-03	5.7	5.7	7.1	7.1	-0.2	100.9	0.8	0.6	9.0	-5.2
3714	ok	0.20	4.77e-02	8.25e-03	5.7	5.7	7.1	7.1	-4.0	87.6	1.2	-46.3	2.3	-17.4
3715	ok	0.20	2.23e-02	8.60e-03	5.7	5.7	7.1	7.1	-1.9	92.8	1.0	-10.1	8.2	-2.6
3716	ok	0.20	1.57e-02	9.33e-03	5.7	5.7	7.1	7.1	-0.2	100.9	0.9	-3.5	9.1	-12.2
3717	ok	0.20	4.49e-02	8.30e-03	5.7	5.7	7.1	7.1	-3.3	84.1	-0.2	-44.4	4.3	-10.6
3718	ok	0.20	2.66e-02	8.46e-03	5.7	5.7	7.1	7.1	-1.7	93.3	1.6	-17.3	7.2	-9.1
3719	ok	0.20	1.56e-02	9.10e-03	5.7	5.7	7.1	7.1	-0.2	100.7	1.0	1.0	9.7	-12.4
3720	ok	0.20	4.29e-02	7.85e-03	5.7	5.7	7.1	7.1	-4.1	85.2	3.9	-49.0	1.1	-12.2
3721	ok	0.20	2.31e-02	8.14e-03	5.7	5.7	7.1	7.1	-1.8	92.5	1.5	-9.2	8.6	6.64e-02
3722	ok	0.20	1.51e-02	8.91e-03	5.7	5.7	7.1	7.1	-0.1	100.5	1.1	-3.8	8.8	-10.3
3723	ok	0.20	4.01e-02	7.80e-03	5.7	5.7	7.1	7.1	-2.9	85.1	-3.0	-44.5	4.5	1.6
3724	ok	0.20	2.44e-02	8.05e-03	5.7	5.7	7.1	7.1	-1.7	92.1	3.2	-18.4	7.0	-8.2
3725	ok	0.20	1.41e-02	8.69e-03	5.7	5.7	7.1	7.1	-0.2	99.9	1.1	0.8	9.7	-10.4
3726	ok	0.20	4.28e-02	7.78e-03	5.7	5.7	7.1	7.1	-4.1	85.2	-3.8	-48.8	0.9	12.5
3727	ok	0.20	2.28e-02	8.12e-03	5.7	5.7	7.1	7.1	-1.8	92.6	-1.4	-9.2	8.5	-1.41e-02
3728	ok	0.20	1.50e-02	8.92e-03	5.7	5.7	7.1	7.1	-0.1	100.4	-1.0	-4.1	8.2	0.8
3729	ok	0.20	4.45e-02	8.25e-03	5.7	5.7	7.1	7.1	-3.3	83.8	0.2	-44.8	3.6	11.0
3730	ok	0.20	2.67e-02	8.39e-03	5.7	5.7	7.1	7.1	-1.7	92.9	-1.5	-17.3	7.2	9.0
3731	ok	0.20	1.55e-02	9.20e-03	5.7	5.7	7.1	7.1	-0.2	100.8	-0.9	0.7	8.9	2.6
3732	ok	0.20	4.80e-02	8.21e-03	5.7	5.7	7.1	7.1	-4.0	87.1	-1.0	-46.5	2.4	17.3
3733	ok	0.20	2.20e-02	8.55e-03	5.7	5.7	7.1	7.1	-1.8	92.7	-0.9	-10.2	8.0	2.7
3734	ok	0.20	1.56e-02	9.46e-03	5.7	5.7	7.1	7.1	-0.1	100.9	-0.9	-4.5	7.7	2.6
3735	ok	0.20	4.29e-02	8.75e-03	5.7	5.7	7.1	7.1	-3.1	86.2	-0.5	-42.4	5.4	20.5
3736	ok	0.20	2.26e-02	8.73e-03	5.7	5.7	7.1	7.1	-1.8	92.7	-0.9	-16.2	7.9	11.3
3737	ok	0.20	1.63e-02	9.68e-03	5.7	5.7	7.1	7.1	-0.2	100.8	-0.8	0.5	8.8	5.2
3738	ok	0.20	4.78e-02	8.57e-03	5.7	5.7	7.1	7.1	-4.2	87.0	0.1	-43.6	3.5	20.2
3739	ok	0.20	2.22e-02	8.94e-03	5.7	5.7	7.1	7.1	-1.9	92.3	0.5	-7.1	10.0	11.8
3740	ok	0.20	1.65e-02	9.89e-03	5.7	5.7	7.1	7.1	-0.1	100.5	-0.7	-4.8	8.2	5.2
3741	ok	0.20	4.27e-02	9.15e-03	5.7	5.7	7.1	7.1	-3.1	81.6	2.0	-46.2	5.5	20.2
3742	ok	0.20	2.59e-02	8.93e-03	5.7	5.7	7.1	7.1	-1.8	91.5	-0.2	-15.2	10.1	12.6
3743	ok	0.20	1.73e-02	1.01e-02	5.7	5.7	7.1	7.1	-0.1	100.1	0.7	0.1	9.5	-2.4
3744	ok	0.20	5.02e-02	8.91e-03	5.7	5.7	7.1	7.1	-4.5	86.1	1.0	-38.8	5.8	22.1
3745	ok	0.20	2.28e-02	9.10e-03	5.7	5.7	7.1	7.1	-2.1	90.9	1.2	-5.7	12.4	14.0
3746	ok	0.20	1.76e-02	1.02e-02	5.7	5.7	7.1	7.1	-0.2	99.3	0.8	-4.8	9.9	6.4
3747	ok	0.20	4.55e-02	9.41e-03	5.7	5.7	7.1	7.1	-3.2	83.1	1.0	-40.0	14.5	21.5
3748	ok	0.20	2.85e-02	9.07e-03	5.7	5.7	7.1	7.1	-2.7	88.7	1.3	-14.4	16.4	12.2
3749	ok	0.20	1.82e-02	1.03e-02	5.7	5.7	7.1	7.1	-0.1	97.9	1.1	-1.0	12.3	5.5
3750	ok	0.20	5.68e-02	9.53e-03	5.7	5.7	7.1	7.1	-3.8	85.2	2.4	-35.7	15.5	11.9
3751	ok	0.20	2.68e-02	9.05e-03	5.7	5.7	7.1	7.1	-1.7	88.5	2.8	-6.5	18.0	25.3
3752	ok	0.20	5.36e-02	1.03e-02	5.7	5.7	7.1	7.1	0.1	95.8	1.2	-5.4	12.2	4.2
3753	ok	0.20	5.20e-02	9.40e-03	5.7	5.7	7.1	7.1	-8.2	67.0	4.9	31.4	33.4	9.9
3754	ok	0.20	3.85e-02	9.02e-03	5.7	5.7	7.1	7.1	-0.7	86.1	0.7	-26.0	6.0	16.0
3755	ok	0.20	2.14e-02	1.07e-02	5.7	5.7	7.1	7.1	0.2	94.3	-0.8	-6.3	2.1	16.6
3756	ok	0.20	5.66e-02	9.18e-03	5.7	5.7	7.1	7.1	-6.4	84.4	5.0	-29.9	9.7	20.6
3757	ok	0.20	3.20e-02	8.89e-03	5.7	5.7	7.1	7.1	-3.9	56.3	2.7	22.4	24.2	-2.1
3758	ok	0.20	2.56e-02	1.11e-02	5.7	5.7	7.1	7.1	-2.56e-02	93.5	-0.6	-7.5	-1.5	18.0
3759	ok	0.20	6.69e-02	9.81e-03	5.7	5.7	7.1	7.1	-3.9	79.8	7.7	-25.6	11.1	53.3
3760	ok	0.20	3.55e-02	8.87e-03	5.7	5.7	7.1	7.1	-3.6	81.5	3.1	-25.5	-7.2	20.2
3761	ok	0.20	2.25e-02	1.11e-02	5.7	5.7	7.1	7.1	-6.86e-02	93.2	0.6	-2.6	-1.6	13.8
3762	ok	0.20	0.1	1.29e-02	5.7	5.7	7.1	7.1	2.2	28.8	12.0	62.2	12.6	23.5
3763	ok	0.20	2.64e-02	8.96e-03	5.7	5.7	7.1	7.1	-1.6	80.9	-9.36e-02	-6.3	-6.2	37.8
3764	ok	0.20	2.63e-02	9.91e-03	5.7	5.7	7.1	7.1	-5.49e-02	92.6	0.4	-6.9	-6.7	30.7
3765	ok	0.20	8.96e-02	1.05e-02	5.7	5.7	7.1	7.1	3.1	15.0	-12.3	-46.8	-202.8	-17.5
3766	ok	0.20	4.15e-02	8.99e-03	5.7	5.7	7.1	7.1	7.2	71.4	10.6	-55.8	11.6	8.5
3767	ok	0.20	1.84e-02	8.16e-03	5.7	5.7	7.1	7.1	0.7	90.9	2.9	-2.1	-8.1	14.4
3768	ok	0.20	8.19e-02	1.08e-02	5.7	5.7	7.1	7.1	-6.5	26.8	-7.5	-36.0	-227.7	-16.3
3769	ok	0.20	3.49e-02	6.60e-03	5.7	5.7	7.1	7.1	-0.5	69.7	7.0	-27.3	5.9	24.1
3770	ok	0.20	2.07e-02	6.41e-03	5.7	5.7	7.1	7.1	0.5	85.8	3.2	-5.9	-5.0	19.8
3771	ok	0.20	6.82e-02	1.04e-02	5.7	5.7	7.1	7.1	1.5	60.2	16.5	-63.8	11.9	23.4
3772	ok	0.20	2.60e-02	6.30e-03	5.7	5.7	7.1	7.1	-9.2	61.8	5.5	-12.1	14.4	43.3
3773	ok	0.20	1.87e-02	5.26e-03	5.7	5.7	7.1	7.1	-1.1	75.0	2.0	0.3	10.0	29.1
3774	ok	0.20	6.16e-02	1.00e-02	5.7	5.7	7.1	7.1	-6.4	60.5	8.3	-65.8	-2.4	31.5
3775	ok	0.20	2.44e-02	5.12e-03	5.7	5.7	7.1	7.1	-3.3	65.2	6.7	-2.1	14.9	25.5
3776	ok	0.20	1.64e-02	3.51e-03	5.7	5.7	7.1	7.1	-1.6	68.8	2.5	-2.2	16.1	23.4
3777	ok	0.20	5.01e-02	6.83e-03	5.7	5.7	7.1	7.1	-5.3	49.9	12.7	-43.1	17.4	38.1

3778	ok	0.20	2.88e-02	5.01e-03	5.7	5.7	7.1	7.1	-1.7	61.2	8.7	-18.8	12.5	22.9
3779	ok	0.20	1.82e-02	1.70e-03	5.7	5.7	7.1	7.1	-1.6	61.6	2.7	3.3	25.9	25.2
3780	ok	0.20	4.82e-02	7.36e-03	5.7	5.7	7.1	7.1	-5.3	49.1	14.0	-25.1	23.1	36.5
3781	ok	0.20	3.00e-02	4.27e-03	5.7	5.7	7.1	7.1	-1.1	50.5	2.1	5.5	32.1	20.8
3782	ok	0.20	1.61e-02	1.15e-03	5.7	5.7	7.1	7.1	-1.5	54.9	2.6	0.6	33.6	23.8
3783	ok	0.20	5.17e-02	8.20e-03	5.7	5.7	7.1	7.1	-2.4	40.0	9.2	13.3	34.8	28.2
3784	ok	0.20	3.22e-02	3.90e-03	5.7	5.7	7.1	7.1	-0.7	44.8	1.6	9.6	36.6	15.5
3785	ok	0.20	1.93e-02	8.62e-04	5.7	5.7	7.1	7.1	-9.50e-02	56.6	3.9	5.5	37.0	11.7
3786	ok	0.20	5.15e-02	8.36e-03	5.7	5.7	7.1	7.1	-3.5	33.2	9.4	30.9	33.8	19.6
3787	ok	0.20	3.67e-02	3.63e-03	5.7	5.7	7.1	7.1	-1.7	42.4	-1.1	20.8	17.5	-25.7
3788	ok	0.20	1.73e-02	8.11e-04	5.7	5.7	7.1	7.1	-0.8	59.7	0.6	5.4	18.9	-21.0
3789	ok	0.20	5.54e-02	8.12e-03	5.7	5.7	7.1	7.1	-3.2	32.2	13.7	46.8	35.7	-10.1
3790	ok	0.20	3.42e-02	3.32e-03	5.7	5.7	7.1	7.1	-4.8	40.1	2.3	31.9	15.6	-24.7
3791	ok	0.20	3.01e-02	6.48e-04	5.7	5.7	7.1	7.1	-0.6	59.8	0.7	4.3	5.9	-22.7
3792	ok	0.20	6.13e-02	9.64e-03	5.7	5.7	7.1	7.1	-5.7	16.9	11.6	84.2	-68.5	7.7
3793	ok	0.20	4.24e-02	4.37e-03	5.7	5.7	7.1	7.1	-7.8	34.3	9.9	15.5	-16.7	-22.9
3794	ok	0.20	5.15e-02	6.23e-04	5.7	5.7	7.1	7.1	-0.2	53.4	1.2	3.1	-42.1	-17.5
3795	ok	0.20	7.43e-02	1.86e-02	5.7	5.7	7.1	7.1	-16.5	16.5	18.5	45.2	-110.7	48.1
3796	ok	0.20	9.41e-02	6.48e-03	5.7	5.7	7.1	7.1	-1.9	24.4	17.9	-22.8	-124.9	60.6
3797	ok	0.20	0.1	1.18e-03	5.7	5.7	7.1	7.1	-1.1	35.6	-0.2	13.5	-183.7	10.7

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N z	N o	N zo	M z	M o	M zo
	0.20	0.29	0.06	5.65	5.65	7.07	7.07	-135.07	-142.64	-101.15	-138.90	-449.87	-76.35
								157.00	179.92	87.67	546.81	123.52	79.64

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
2756	ok	3.71						
3067	ok	3.12						
3068	ok	1.58						
3074	ok	1.28						
3080	ok	0.60						
3086	ok	1.45						
3092	ok	1.35						
3098	ok	1.07						
3104	ok	0.83						
3110	ok	0.83						
3116	ok	0.99						
3122	ok	1.42						
3128	ok	1.38						
3134	ok	1.50						
3140	ok	1.40						
3146	ok	1.08						
3152	ok	0.94						
3158	ok	0.85						
3164	ok	0.93						
3170	ok	0.96						
3176	ok	0.91						
3182	ok	0.93						
3188	ok	0.87						
3194	ok	0.93						
3200	ok	0.82						
3206	ok	0.93						
3212	ok	0.78						
3218	ok	0.93						
3224	ok	0.83						
3230	ok	0.94						
3236	ok	0.86						
3242	ok	0.93						
3248	ok	0.91						
3254	ok	0.95						
3260	ok	0.93						
3266	ok	0.84						
3272	ok	0.92						
3278	ok	1.07						
3284	ok	1.26						
3290	ok	1.48						
3296	ok	1.52						
3302	ok	2.29						
3308	ok	2.35						
3314	ok	2.37						
3320	ok	0.69						
3326	ok	0.45						
3332	ok	0.55						
3338	ok	0.67						

3344	ok	0.59
3350	ok	1.23
3356	ok	1.42
3645	ok	2.42
3646	ok	1.97
3647	ok	0.86
3648	ok	2.77
3649	ok	1.56
3650	ok	2.05
3651	ok	1.04
3652	ok	0.72
3653	ok	0.40
3654	ok	0.54
3655	ok	0.32
3656	ok	0.29
3657	ok	0.30
3658	ok	0.30
3659	ok	0.35
3660	ok	0.47
3661	ok	0.12
3662	ok	0.34
3663	ok	0.26
3664	ok	0.18
3665	ok	0.34
3666	ok	0.35
3667	ok	0.15
3668	ok	0.32
3669	ok	0.18
3670	ok	0.16
3671	ok	0.33
3672	ok	0.29
3673	ok	0.13
3674	ok	0.32
3675	ok	0.16
3676	ok	0.13
3677	ok	0.32
3678	ok	0.44
3679	ok	0.12
3680	ok	0.29
3681	ok	0.51
3682	ok	0.17
3683	ok	0.31
3684	ok	0.64
3685	ok	0.06
3686	ok	0.27
3687	ok	0.47
3688	ok	0.24
3689	ok	0.28
3690	ok	0.36
3691	ok	0.11
3692	ok	0.23
3693	ok	0.22
3694	ok	0.17
3695	ok	0.19
3696	ok	0.29
3697	ok	0.08
3698	ok	0.16
3699	ok	0.25
3700	ok	0.14
3701	ok	0.16
3702	ok	0.35
3703	ok	0.07
3704	ok	0.13
3705	ok	0.23
3706	ok	0.15
3707	ok	0.14
3708	ok	0.33
3709	ok	0.05
3710	ok	0.12
3711	ok	0.22
3712	ok	0.14
3713	ok	0.13
3714	ok	0.32
3715	ok	0.05
3716	ok	0.12
3717	ok	0.21
3718	ok	0.14

3719	ok	0.11
3720	ok	0.32
3721	ok	0.05
3722	ok	0.11
3723	ok	0.20
3724	ok	0.13
3725	ok	0.09
3726	ok	0.32
3727	ok	0.05
3728	ok	0.11
3729	ok	0.21
3730	ok	0.14
3731	ok	0.11
3732	ok	0.33
3733	ok	0.05
3734	ok	0.12
3735	ok	0.22
3736	ok	0.14
3737	ok	0.13
3738	ok	0.33
3739	ok	0.05
3740	ok	0.12
3741	ok	0.23
3742	ok	0.15
3743	ok	0.14
3744	ok	0.35
3745	ok	0.07
3746	ok	0.13
3747	ok	0.25
3748	ok	0.14
3749	ok	0.16
3750	ok	0.30
3751	ok	0.08
3752	ok	0.16
3753	ok	0.22
3754	ok	0.16
3755	ok	0.19
3756	ok	0.36
3757	ok	0.10
3758	ok	0.22
3759	ok	0.44
3760	ok	0.24
3761	ok	0.26
3762	ok	0.64
3763	ok	0.07
3764	ok	0.24
3765	ok	0.49
3766	ok	0.15
3767	ok	0.28
3768	ok	0.70
3769	ok	0.08
3770	ok	0.28
3771	ok	0.43
3772	ok	0.18
3773	ok	0.32
3774	ok	0.66
3775	ok	0.20
3776	ok	0.34
3777	ok	0.27
3778	ok	0.22
3779	ok	0.36
3780	ok	0.27
3781	ok	0.09
3782	ok	0.33
3783	ok	0.17
3784	ok	0.13
3785	ok	0.38
3786	ok	0.34
3787	ok	0.13
3788	ok	0.40
3789	ok	0.31
3790	ok	0.20
3791	ok	0.43
3792	ok	0.53
3793	ok	0.28
3794	ok	0.39
3795	ok	1.89

3796 ok 1.11
3797 ok 0.54

Nodo Max tau Ver V pr Ver V sec Af V pr Af V sec V pr V sec
3.71

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
7	80.00	3	2	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+Af sec-	Af sec+	N x daN/cm	N y daN/cm	N xy daN/cm	M x daN	M y daN	M xy daN
1	ok	0.04	1.0	1.23e-02	5.7	5.7	5.7	6.9	32.8	2.5-1.079e+04	-4365.8	775.9	
4	ok	0.04	1.0	9.24e-03	7.3	5.7	6.0	-9.0	27.9	22.2-1.700e+04	-8341.7	-1746.3	
10	ok	0.04	1.0	8.47e-03	8.4	5.7	8.9	17.2	106.6	-3.7-1.861e+04-1.600e+04	-2965.9	-4484.8	
14	ok	0.05	1.0	1.81e-02	11.2	5.7	12.4	94.5	158.6	-9.7-2.501e+04-2.294e+04	-2597.0	-2318.8	
18	ok	0.04	1.0	8.06e-03	9.4	5.7	7.8	75.1	32.8	-8.4-2.137e+04-1.610e+04	-2318.8	711.3	
22	ok	0.04	1.0	8.28e-03	6.5	5.7	6.3	59.9	-33.9	-53.2-1.372e+04-1.138e+04	-1526.9	2585.5	
26	ok	0.04	0.9	8.57e-03	5.7	5.7	5.7	-63.2	-87.6	15.3 -9837.6-1.195e+04	5876.4	-2120.4	
30	ok	0.04	0.9	1.16e-02	5.7	5.7	5.7	165.7	15.8	-20.5 -7479.8-1.097e+04	-657.9	606.7	
34	ok	0.04	0.7	1.09e-02	5.7	5.7	5.7	-94.5	-96.0	52.6 -731.9-1.164e+04	80.4	1042.1	
38	ok	0.04	1.0	1.58e-02	8.9	5.7	8.9	234.9	71.5	-65.4 -6902.8-1.589e+04	-179.0	1941.4	
42	ok	0.04	0.9	8.46e-03	5.7	5.7	5.7	15.5	13.9	4.0 -2532.3-1.193e+04	2448.9	-140.5	
46	ok	0.04	0.6	4.05e-03	5.7	5.7	5.7	92.4	-3.6	3.8 -3477.7 -9209.8	128.9	1634.8	
50	ok	0.04	0.6	7.07e-03	5.7	5.7	5.7	95.4	-8.3	9.7 -4502.2 -9303.8	113.6	288.0	
54	ok	0.04	0.6	3.76e-03	5.7	5.7	5.7	74.5	-15.3	-4.4 -5401.9 -9372.6	1262.1	3072.6	
58	ok	0.04	0.7	5.99e-03	5.7	5.7	5.7	111.5	-7.9	5.6 -4048.4-1.010e+04	-443.9	-336.6	
62	ok	0.04	0.8	7.39e-03	5.7	5.7	5.7	55.2	-9.1	-20.5 -3689.8-1.367e+04	2005.2	-520.2	
66	ok	0.04	0.9	9.90e-03	5.7	5.7	5.7	102.3	-1.7	-3.0 181.7-1.433e+04	-160.0	563.1	
70	ok	0.04	1.0	6.94e-03	7.7	5.7	8.6	27.3	68.2	-64.9 -4219.0-2.018e+04	1770.2	2925.9	
74	ok	0.04	0.9	7.95e-03	5.7	5.7	5.7	17.0	9.0	-25.4 158.9-1.394e+04	5624.9	5788.1	
77	ok	0.04	0.9	1.16e-02	5.7	5.7	5.7	8.5	14.6	19.0 1154.2-1.560e+04	3518.3	5360.6	
80	ok	0.04	1.0	1.26e-02	7.5	5.7	8.3	9.2	64.4	-48.7 -3465.1-2.003e+04	4938.8	4358.7	
86	ok	0.04	1.0	1.22e-02	6.8	5.7	6.8	67.4	6.3	33.3 -3442.1-1.499e+04	-4455.2	4157.2	
90	ok	0.04	0.9	8.30e-03	5.7	5.7	5.7	95.5	-24.0	33.0 -5404.9-1.187e+04	2139.9	2557.6	
94	ok	0.04	0.8	8.66e-03	5.7	5.7	5.7	86.3	-8.3	-14.4 -5315.9-1.146e+04	3008.7	1598.0	
98	ok	0.04	1.0	2.14e-02	6.6	5.7	6.2	120.6	-58.0	-38.3 -8672.5-1.246e+04	1409.2	-1219.2	
102	ok	0.04	0.7	8.63e-03	5.7	5.7	5.7	8.3	12.3	-16.5 -1657.4-1.118e+04	-2451.6	-998.8	
106	ok	0.04	0.8	1.88e-02	5.7	5.7	5.7	3.9	11.6	-0.7 -2145.6 -8187.9	1737.7	-1614.5	
110	ok	0.04	0.8	2.02e-02	5.7	5.7	5.7	-117.4	-54.3	-16.4 -2624.2 -7314.7	-447.4	-457.1	
114	ok	0.04	1.0	2.09e-02	6.1	5.7	6.1	14.5	5.0	27.9 -2080.7-1.188e+04	-197.3	-1143.8	
118	ok	0.04	0.9	6.07e-03	5.7	5.7	5.7	67.4	42.5	-5.7-1.018e+04-1.045e+04	429.8	-553.9	
122	ok	0.04	0.8	5.85e-03	5.7	5.7	5.7	53.2	35.6	-7.2 -9063.4 -6553.5	976.5		
126	ok	0.04	1.0	2.52e-02	5.8	5.7	7.7	120.7	237.4	24.7 -8900.0 -8763.6			
130	ok	0.04	1.0	2.78e-02	8.0	5.7	9.7	34.5	36.6	-10.5-1.013e+04 -6733.0			
134	ok	0.04	1.0	2.13e-02	6.5	5.7	6.5	35.1	17.0	-91.0 -5208.5 -3034.6			
138	ok	0.04	0.8	1.12e-02	5.7	5.7	5.7	-47.6	37.5	-27.4 -2910.0 -3280.4			
142	ok	0.04	0.8	1.13e-02	5.7	5.7	5.7	-3.8	48.3	-48.3 -3129.4 -3512.1			
146	ok	0.04	0.8	1.07e-02	5.7	5.7	5.7	-12.0	31.8	-51.8 -4119.4 -3269.4			
150	ok	0.04	0.7	1.51e-02	5.7	5.7	5.7	-31.5	-5.0	-91.2 -5012.3 -2252.6			
154	ok	0.04	0.7	9.48e-03	5.7	5.7	5.7	-4.7	-5.8	-87.2 -5654.8 -1013.0			
158	ok	0.04	0.9	1.25e-02	5.7	5.7	5.7	29.8	-53.4	38.0-1.133e+04 -3067.9			
162	ok	0.04	1.0	2.22e-02	8.2	5.7	6.8	101.9	142.5	40.0-1.643e+04 -1768.0			
166	ok	0.04	0.9	1.06e-02	5.7	5.7	5.7	12.2	-70.9	-1.1-1.404e+04 4345.8			
170	ok	0.04	0.9	2.61e-02	5.7	5.7	5.7	7.8	-64.1	-7.0-1.295e+04 600.5			
174	ok	0.04	0.5	9.72e-03	5.7	5.7	5.7	10.4	-54.4	3.4 -6980.8 -651.5			
178	ok	0.04	0.4	7.44e-03	5.7	5.7	5.7	-3.1	-42.3	6.6 -4050.6 -2343.2			
182	ok	0.04	0.5	1.50e-02	5.7	5.7	5.7	-0.7	-31.2	1.9 -4603.6 -2884.8			
186	ok	0.04	0.3	6.54e-03	5.7	5.7	5.7	4.5	-45.6	3.8 -4120.4 -2897.5			
190	ok	0.04	0.5	1.42e-02	5.7	5.7	5.7	-4.8	-11.8	3.8 -2624.6 -3560.9			
194	ok	0.04	0.4	6.22e-03	5.7	5.7	5.7	3.4	-41.3	12.8 -4717.1 -3179.8			
198	ok	0.04	0.4	1.31e-02	5.7	5.7	5.7	-2.2	22.3	27.6 -4652.0 -1750.2			
202	ok	0.04	0.4	1.24e-02	5.7	5.7	5.7	-11.7	-77.0	6.2 -4659.9 -1816.6			
206	ok	0.04	0.6	1.65e-02	5.7	5.7	5.7	10.2	-78.5	-8.9 -9654.4 -581.6			
210	ok	0.04	0.7	1.36e-02	5.7	5.7	5.7	5.7	-84.6	-17.8-1.170e+04 3205.4			
214	ok	0.04	1.0	9.06e-03	7.1	5.7	5.8	81.3	-50.5	-34.3-1.641e+04 697.0			
218	ok	0.04	0.7	1.37e-02	5.7	5.7	5.7	10.0	-57.3	-1.6-1.042e+04 3172.3			
222	ok	0.04	0.6	1.65e-02	5.7	5.7	5.7	10.0	-78.4	9.5 -9763.3 -595.0			
226	ok	0.04	0.4	1.23e-02	5.7	5.7	5.7	1.2	-21.4	9.77e-02 -6055.1 -1253.9			
230	ok	0.04	0.4	1.34e-02	5.7	5.7	5.7	-3.4	25.9	-28.3 -4684.5 -1744.1			
234	ok	0.04	0.4	6.05e-03	5.7	5.7	5.7	4.7	-41.7	-18.2 -4733.0 -3164.9			

238	ok	0.04	0.5	1.39e-02	5.7	5.7	5.7	5.7	-4.9	-11.6	-2.5	-2620.5	-3539.0	2414.9
242	ok	0.04	0.3	6.37e-03	5.7	5.7	5.7	5.7	5.6	-42.7	-4.7	-4104.4	-2884.9	1194.6
246	ok	0.04	0.5	1.48e-02	5.7	5.7	5.7	5.7	-15.6	-32.3	-4.7	-3797.6	-3422.2	1502.6
250	ok	0.04	0.4	7.16e-03	5.7	5.7	5.7	5.7	5.5	-27.9	-13.9	-3062.2	-2120.1	-3080.1
254	ok	0.04	0.5	9.47e-03	5.7	5.7	5.7	5.7	9.4	-50.1	-1.8	-6514.7	-1038.4	-3013.4
258	ok	0.04	0.9	2.57e-02	5.7	5.7	5.7	5.7	7.8	-61.4	8.6	-1.291e+04	653.9	-2627.3
262	ok	0.04	0.9	1.03e-02	5.7	5.7	5.7	5.7	19.8	-69.9	2.0	-1.442e+04	4604.2	-2261.9
266	ok	0.04	1.0	2.19e-02	8.5	5.7	7.2	5.7	65.9	308.7	24.2	-1.377e+04	-5194.0	-4750.6
270	ok	0.04	1.0	1.01e-02	5.8	5.7	5.8	5.7	7.6	-50.8	32.2	-1.340e+04	-1605.6	-1528.1
274	ok	0.04	0.7	1.00e-02	5.7	5.7	5.7	5.7	12.7	-23.9	44.8	-7845.4	-1527.4	-2061.9
278	ok	0.04	0.7	1.64e-02	5.7	5.7	5.7	5.7	-15.9	3.0	47.3	-4922.7	-2376.8	-2681.5
282	ok	0.04	0.7	8.37e-03	5.7	5.7	5.7	5.7	-20.1	1.5	64.6	-3183.1	-2789.0	-5350.8
286	ok	0.04	0.9	1.67e-02	5.7	5.7	5.7	5.7	-41.3	-76.1	58.1	-2946.1	-2921.3	-6279.5
290	ok	0.04	1.0	2.41e-02	6.3	5.7	6.9	5.7	-3.8	92.0	48.5	-3153.5	-3449.5	-5656.1
294	ok	0.04	0.8	1.15e-02	5.7	5.7	5.7	5.7	16.0	36.6	20.3	-3989.2	-3477.4	-5351.8
298	ok	0.04	1.0	2.09e-02	5.9	5.7	5.9	5.7	25.9	28.7	13.6	-5778.8	-3588.9	-4803.8
302	ok	0.04	0.7	9.04e-03	5.7	5.7	5.7	5.7	-76.7	-47.3	4.5	-9173.0	-3277.3	-2460.8
306	ok	0.04	0.9	6.75e-03	5.7	5.7	5.7	5.7	61.6	31.2	-6.9	-8741.4	-7188.3	-983.5
310	ok	0.04	1.0	7.54e-03	5.9	5.7	5.8	5.7	67.4	48.6	8.1	-1.033e+04	-1.104e+04	125.7
314	ok	0.04	1.0	2.37e-02	7.0	5.7	6.6	5.7	120.6	-64.0	42.0	-9023.4	-1.299e+04	-3069.5
318	ok	0.04	1.0	1.10e-02	5.7	5.7	5.7	5.7	97.7	-29.1	22.6	-5094.0	-1.265e+04	1560.0
322	ok	0.04	1.0	1.30e-02	6.7	5.7	6.9	5.7	83.1	15.7	-32.5	-3493.5	-1.758e+04	223.7
326	ok	0.04	1.0	8.65e-03	5.8	5.7	5.8	5.7	77.7	3.7	-40.4	-2868.7	-1.442e+04	637.7
330	ok	0.04	0.9	1.57e-02	5.7	5.7	5.7	5.7	57.8	-11.3	-48.7	-4911.5	-1.300e+04	-6.5
334	ok	0.04	1.0	1.08e-02	5.7	5.7	5.7	5.7	122.6	-2.4	-165.6	-7059.3	-9722.7	-470.0
337	ok	0.04	1.0	2.30e-02	5.7	5.7	5.7	5.7	-61.2	-31.9	8.7	-4588.6	-9184.5	1396.5
340	ok	0.04	0.7	1.48e-02	5.7	5.7	5.7	5.7	4.8	-5.0	30.8	-4528.7	-9911.1	358.4
346	ok	0.04	1.0	1.56e-02	5.7	5.7	5.7	5.7	-174.6	13.0	-81.5	-7428.1	-1.107e+04	3098.9
350	ok	0.04	1.0	1.75e-02	7.2	5.7	9.9	5.7	-3.9	54.2	-38.3	-6878.2	-2.393e+04	3552.8
354	ok	0.04	1.0	1.67e-02	7.7	6.3	10.0	6.3	-146.4	16.5	-29.8	-1.180e+04	-2.242e+04	3536.4
358	ok	0.07	1.0	2.18e-02	25.0	14.8	18.6	8.4	-27.6	54.0	-92.9	-5.146e+04	-3.212e+04	1.284e+04
362	ok	0.06	1.0	2.31e-02	38.5	45.9	21.4	22.3	-221.4	-217.1	-66.6	-8.195e+04	-3.412e+04	-2.876e+04
366	NV	0.07	1.0	2.86e-02	31.2	18.2	33.0	35.0	53.1	331.0	89.0	2.112e+04	-1.717e+04	3.146e+04
370	ok	0.05	1.0	1.26e-02	11.1	7.2	14.6	7.2	-95.5	185.2	-27.0	-2.082e+04	-2.173e+04	1.166e+04
374	ok	0.04	1.0	1.81e-02	6.9	5.7	6.9	5.7	90.3	-62.4	-19.5	-1.312e+04	-2875.5	-4390.8
378	ok	0.04	1.0	2.42e-02	7.5	5.7	8.0	5.7	-70.8	-132.0	32.7	-9579.2	-9856.5	-5356.0
382	ok	0.04	0.8	1.20e-02	5.7	5.7	5.7	5.7	16.8	-28.6	27.4	-6742.0	-6640.6	-3693.9
386	ok	0.04	0.7	1.16e-02	5.7	5.7	5.7	5.7	25.8	-26.6	25.6	-6470.8	-6631.6	-4315.0
390	ok	0.04	1.0	2.19e-02	5.7	5.7	5.7	5.7	5.2	-70.3	43.7	-5323.6	-5558.3	-4122.6
394	ok	0.04	0.8	1.23e-02	5.7	5.7	5.7	5.7	14.9	24.8	38.6	-5928.7	-3485.4	-4336.5
398	ok	0.04	0.7	1.16e-02	5.7	5.7	5.7	5.7	13.2	-30.9	19.1	-1.066e+04	-2101.0	459.4
402	ok	0.04	0.8	1.35e-02	5.7	5.7	5.7	5.7	12.4	-69.6	51.8	-1.040e+04	2263.0	-1355.9
406	ok	0.04	1.0	1.46e-02	7.2	5.7	6.8	5.7	83.7	-1.7	53.3	-1.363e+04	-1576.7	-5072.0
410	ok	0.04	0.9	1.12e-02	5.7	5.7	5.7	5.7	13.1	-87.5	-8.5	-1.477e+04	4677.7	1557.1
414	ok	0.04	0.8	2.81e-02	5.7	5.7	5.7	5.7	4.3	-57.1	-20.1	-1.305e+04	742.4	3661.3
418	ok	0.04	0.7	1.52e-02	5.7	5.7	5.7	5.7	1.2	-68.5	-23.3	-1.092e+04	-1604.6	1382.3
422	ok	0.04	0.5	1.28e-02	5.7	5.7	5.7	5.7	3.7	-90.6	-11.4	-5238.4	-2473.1	2974.9
426	ok	0.04	0.4	9.73e-03	5.7	5.7	5.7	5.7	3.9	-131.2	-10.1	-4873.4	-3225.1	2519.3
430	ok	0.04	0.4	9.32e-03	5.7	5.7	5.7	5.7	8.9	-122.2	-15.6	-4909.3	-3575.2	2219.1
434	ok	0.04	0.6	1.44e-02	5.7	5.7	5.7	5.7	3.0	-108.0	-15.0	-4743.0	-3708.7	1578.8
438	ok	0.04	0.4	1.09e-02	5.7	5.7	5.7	5.7	2.4	-115.4	-20.0	-4591.6	-3519.3	1314.5
442	ok	0.04	0.5	1.01e-02	5.7	5.7	5.7	5.7	-11.5	-58.7	39.3	-5562.2	-2960.0	-692.4
446	ok	0.04	0.5	1.32e-02	5.7	5.7	5.7	5.7	2.7	-79.0	32.3	-8654.2	-2273.6	-745.2
450	ok	0.04	0.6	1.15e-02	5.7	5.7	5.7	5.7	2.7	-87.9	39.4	-1.011e+04	709.8	-1542.1
454	ok	0.04	0.9	1.96e-02	5.7	5.7	5.7	5.7	42.6	112.6	-27.7	-1.092e+04	-6800.0	2040.8
458	ok	0.04	1.0	1.71e-02	5.9	5.7	5.8	5.7	29.0	-231.7	-1.8	-1.348e+04	6459.7	-1962.5
462	ok	0.04	1.0	1.32e-02	5.7	5.7	5.7	5.7	15.6	-97.2	-30.5	-1.167e+04	3355.1	1348.2
466	ok	0.04	0.7	1.20e-02	5.7	5.7	5.7	5.7	9.5	-86.0	-21.9	-1.087e+04	-956.3	850.1
470	ok	0.04	0.5	1.12e-02	5.7	5.7	5.7	5.7	2.6	-72.7	-25.3	-8633.7	-2425.0	729.0
474	ok	0.04	0.5	1.14e-02	5.7	5.7	5.7	5.7	-4.0	-25.5	-10.7	-5424.9	-2613.3	1041.6
478	ok	0.04	0.4	1.25e-02	5.7	5.7	5.7	5.7	6.53e-02	-109.0	21.1	-4198.2	-3388.4	-1232.7
482	ok	0.04	0.5	1.33e-02	5.7	5.7	5.7	5.7	-1.4	-99.0	16.6	-4498.8	-3682.8	-1608.1
486	ok	0.04	0.4	9.02e-03	5.7	5.7	5.7	5.7	3.5	-119.7	0.5	-4611.1	-3508.2	-2282.5
490	ok	0.04	0.6	1.58e-02	5.7	5.7	5.7	5.7	5.2	-125.2	-3.3	-4808.4	-3153.4	-2599.7
494	ok	0.04	0.5	1.07e-02	5.7	5.7	5.7	5.7	8.8	-102.0	30.7	-5505.5	-2698.0	-2925.5
498	ok	0.04	0.7	1.43e-02	5.7	5.7	5.7	5.7	4.9	-67.0	21.2	-1.073e+04	-1804.2	-1190.0
502	ok	0.04	0.9	2.39e-02	5.7	5.7	5.7	5.7	4.9	-57.3	17.5	-1.202e+04	1454.4	-3766.1
506	ok	0.04	1.0	1.11e-02	6.0	5.7	5.7	5.7	26.8	-83.6	20.3	-1.628e+04	2725.1	-870.8
510	ok	0.04	1.0	1.66e-02	5.9	5.7	5.9	5.7	15.1	-66.7	-16.0	-1.640e+04	2884.9	982.9
514	ok	0.04	1.0	1.51e-02	5.7	5.7	5.7	5.7	-7.7	-145.9	72.8	-8574.6	3841.6	-4544.0
518	ok	0.04	0.7	1.11e-02	5.7	5.7	5.7	5.7	9.5	-34.8	-19.5	-1.035e+04	-2023.7	-198.9
522	ok	0.04	0.8	1.04e-02	5.7	5.7	5.7	5.7	7.6	50.3	-46.8	-6610.8	-3054.6	4539.2
526	ok	0.04	0.9	1.91e-02	5.7	5.7	5.7	5.7	5.0	-178.8	-71.9	-5948.7	-4255.2	5558.6
530	ok	0.04	0.7	1.00e-02	5.7	5.7	5.7	5.7	23.5	-16.4	-22.8	-6278.7	-5909.9	3945.8
534	ok	0.04	0.8	9.61e-03	5.7	5.7	5.7	5.7	17.4	-78.5	-15.8	-8456.1	-5153.0	-4889.0
538	ok	0.04	1.0	1.14e-02	6.4	5.7	6.4	5.7	48.0	7.5	-26.6	-9497.5	-8055.3	-5025.2
542	ok	0.04	1.0	1.41e-02	5.8	5.7	5.8	5.7	-120.1	-29.2	43.1	-1.141e+04	-9930.6	-4346.7

546	ok	0.04	1.0	1.26e-02	8.0	5.7	8.4	5.7	-5.7	85.0	-7.6-1.677e+04-1.849e+04	-3640.3		
550	ok	0.05	1.0	1.39e-02	13.4	6.9	10.7	6.9	-98.7	-56.0	14.9-2.676e+04-1.510e+04	1.299e+04		
554	ok	0.07	1.0	1.72e-02	33.7	31.9	20.8	17.6	-227.9	8.0	25.1-6.993e+04-2.925e+04-2.314e+04			
558	ok	0.07	1.0	2.15e-02	32.5	21.5	23.5	12.6	-43.1	34.1	101.7-6.618e+04-3.567e+04-1.623e+04			
562	ok	0.05	1.0	1.77e-02	9.4	5.7	12.1	5.7	-25.9	138.8	70.0	-9248.3-2.513e+04	-5956.7	
566	ok	0.04	1.0	1.81e-02	7.9	5.7	10.0	5.7	-104.3	119.3	41.4	-8773.0-2.142e+04	-2786.6	
570	ok	0.04	1.0	1.59e-02	5.7	5.7	5.8	5.7	-107.9	34.4	20.2	-5350.6-1.115e+04	-3637.5	
574	ok	0.04	0.7	1.52e-02	5.7	5.7	5.7	5.7	3.6	-4.8	-31.1	-4526.4	-9863.2	-59.7
578	ok	0.04	1.0	2.27e-02	5.7	5.7	5.7	5.7	132.6	97.6	-12.9	-4169.2	-7033.7	-1723.8
582	ok	0.04	0.6	2.23e-02	5.7	5.7	5.7	5.7	-66.9	19.2	-46.0	2076.6	-7980.7	878.1
586	ok	0.04	1.0	2.18e-02	5.8	5.7	6.6	5.7	-97.9	40.1	10.1	4925.0-1.500e+04		347.7
590	ok	0.04	0.8	1.87e-02	5.7	5.7	5.7	5.7	-79.2	32.5	60.7	4989.2	-9599.0	558.2
594	ok	0.04	0.8	1.35e-02	5.7	5.7	5.7	5.7	67.8	6.5	134.5	-4230.5	-7666.2	1427.7
598	ok	0.04	1.0	1.08e-02	5.8	5.7	5.8	5.7	113.4	0.7	164.3	-7176.4	-9672.1	350.4
602	ok	0.04	1.0	1.55e-02	5.7	5.7	5.7	5.7	57.1	-3.7	48.6	-4911.4-1.275e+04		-291.1
606	ok	0.04	1.0	8.61e-03	5.8	5.7	5.8	5.7	75.8	6.4	40.6	-2716.4-1.425e+04		-1021.9
610	ok	0.04	1.0	1.04e-02	6.8	5.7	7.3	5.7	116.8	62.7	-7.3	-4195.7-1.686e+04		2023.4
614	ok	0.04	1.0	1.15e-02	5.7	5.7	5.7	5.7	96.8	-31.4	-24.7	-5206.0-1.300e+04		-1505.7
618	ok	0.04	0.8	9.19e-03	5.7	5.7	5.7	5.7	77.4	-6.7	21.9	-5375.6-1.174e+04		-1011.0
622	ok	0.04	0.8	7.90e-03	5.7	5.7	5.7	5.7	95.1	-23.9	-37.5	-5401.5-1.193e+04		15.7
626	ok	0.04	1.0	1.11e-02	6.8	5.7	6.8	5.7	57.9	22.6	-36.9	-3465.8-1.476e+04		567.8
630	ok	0.04	1.0	1.22e-02	7.1	5.7	8.0	5.7	11.3	60.4	46.3	-3046.7-1.950e+04		-1549.3
634	ok	0.04	0.9	1.18e-02	5.7	5.7	5.7	5.7	10.7	9.9	-18.8	1568.2-1.424e+04		700.9
638	ok	0.04	1.0	2.10e-02	5.9	5.7	5.9	5.7	12.2	5.0	-28.7	-2073.2-1.117e+04		867.4
642	ok	0.04	0.8	1.94e-02	5.7	5.7	5.7	5.7	-61.0	-2.6	50.3	-2549.2	-6327.9	-1824.4
646	ok	0.04	0.7	1.82e-02	5.7	5.7	5.7	5.7	5.1	16.1	-1.3	-2210.9	-7127.2	688.7
650	ok	0.04	1.0	2.24e-02	6.1	5.7	6.1	5.7	15.7	3.9	20.8	-1923.7-1.098e+04		490.1
654	ok	0.04	0.8	9.08e-03	5.7	5.7	5.7	5.7	10.2	9.2	1.0	1958.5-1.153e+04		2136.4
658	ok	0.04	1.0	6.97e-03	7.8	5.7	8.4	5.7	26.4	70.5	66.8	-4082.0-1.968e+04		-2422.5
662	ok	0.04	0.9	1.00e-02	5.7	5.7	5.7	5.7	107.9	0.4	-3.6	360.8-1.326e+04		-2019.2
666	ok	0.04	0.8	6.36e-03	5.7	5.7	5.7	5.7	56.7	-5.6	20.9	-3703.4-1.292e+04		66.0
670	ok	0.04	0.7	5.81e-03	5.7	5.7	5.7	5.7	116.3	-7.8	-7.7	-4037.8	-9322.8	-1158.8
674	ok	0.04	0.6	3.52e-03	5.7	5.7	5.7	5.7	76.5	-15.7	3.8	-5247.5	-8574.6	-426.5
678	ok	0.04	0.6	6.70e-03	5.7	5.7	5.7	5.7	99.7	-8.6	-11.0	-4489.8	-8540.7	-858.0
682	ok	0.04	0.6	4.30e-03	5.7	5.7	5.7	5.7	73.9	-12.6	-16.6	-3938.8	-8929.6	-740.7
686	ok	0.04	0.9	9.40e-03	5.7	5.7	5.7	5.7	37.3	8.5	-6.7	-1977.6	-9751.8	1809.1
690	ok	0.04	1.0	1.04e-02	6.5	5.7	6.5	5.7	62.9	62.2	58.4	-2684.2-1.235e+04		-3892.5
694	ok	0.04	1.0	6.04e-03	6.3	5.7	6.4	5.7	64.8	1.7	-8.8	-4116.3-1.425e+04		-824.9
698	ok	0.04	0.9	9.60e-03	5.7	5.7	5.7	5.7	17.2	-53.3	-51.2	-4740.7-1.077e+04		-1665.2
702	ok	0.04	0.9	6.80e-03	5.7	5.7	5.7	5.7	-3.0	-83.3	-10.1-1.041e+04-1.040e+04		411.0	
706	ok	0.04	1.0	7.39e-03	6.5	5.7	6.0	5.7	48.2	-32.8	-4.1-1.374e+04-1.137e+04		1150.8	
710	ok	0.04	1.0	8.94e-03	8.9	5.7	7.0	5.7	62.1	-23.6		8.2-2.117e+04-1.661e+04		2481.6
714	ok	0.05	1.0	1.78e-02	11.6	5.7	11.7	5.7	101.4	161.6	22.1-2.495e+04-2.345e+04		4367.7	
718	ok	0.04	1.0	1.03e-02	7.3	5.7	8.4	5.7	15.9	109.1	22.7-1.689e+04-1.627e+04		2980.6	
722	ok	0.04	1.0	1.04e-02	7.4	5.7	6.6	5.7	-10.0	26.4	-21.3-1.685e+04	-8630.1		1686.6
726	ok	0.04	1.0	1.08e-02	5.7	5.7	5.7	5.7	-83.6	40.9	-7.3-1.072e+04	-5469.7		3325.6
730	ok	0.04	1.0	1.04e-02	5.7	5.7	5.7	5.7	3.2	27.0	-15.6	-9813.3	-5128.6	480.0
734	ok	0.04	1.0	2.06e-02	6.5	5.7	7.3	5.7	-68.8	59.0	-67.3	-3971.5	-4986.6	3619.7
738	ok	0.04	0.8	9.95e-03	5.7	5.7	5.7	5.7	-25.4	39.1	-97.1	-3117.3	-5161.7	2031.5
742	ok	0.04	0.7	8.13e-03	5.7	5.7	5.7	5.7	-15.1	12.7	-105.5	-4663.5	-4582.7	2299.1
746	ok	0.04	0.6	1.63e-02	5.7	5.7	5.7	5.7	-59.6	-212.9	-35.9	-4298.7	-3933.5	1658.0
750	ok	0.04	0.8	1.95e-02	5.7	5.7	5.7	5.7	7.1	-52.4	-87.7	-4614.3	-1291.8	1929.9
753	ok	0.04	0.4	1.05e-02	5.7	5.7	5.7	5.7	8.0	-22.4	-21.0	-6160.7	-679.6	-1250.3
756	ok	0.04	0.4	7.85e-03	5.7	5.7	5.7	5.7	-3.1	-9.0	-20.1	-4668.0	-1276.0	-752.1
762	ok	0.04	0.6	1.94e-02	5.7	5.7	5.7	5.7	-5.4	-126.4	-9.7	-4269.7	-1737.6	1213.9
765	ok	0.04	0.3	6.69e-03	5.7	5.7	5.7	5.7	-16.0	-3.5	-8.5	-3108.1	-3718.6	1374.6
768	ok	0.04	0.5	7.02e-03	5.7	5.7	5.7	5.7	2.8	-17.9	15.3	-7550.8	-840.1	973.2
774	ok	0.04	1.0	1.27e-02	5.7	5.7	5.7	5.7	60.0	108.2	-37.9-1.013e+04	-6143.6		2897.3
777	ok	0.04	0.3	4.61e-03	5.7	5.7	5.7	5.7	15.5	-33.0	43.6	-4464.8	-2804.6	64.9
780	ok	0.04	0.5	9.73e-03	5.7	5.7	5.7	5.7	-52.8	-113.1	36.0	-2603.5	-4044.7	1310.0
786	ok	0.04	0.4	4.29e-03	5.7	5.7	5.7	5.7	14.3	-29.4	1.1	-3057.5	-2250.8	-1351.3
789	ok	0.04	0.7	1.11e-02	5.7	5.7	5.7	5.7	-3.6	-26.5	-22.6-1.112e+04	4263.9		196.0
792	ok	0.04	0.7	1.98e-02	5.7	5.7	5.7	5.7	29.6	-64.8	49.3	-8543.2	-782.3	-2488.3
798	ok	0.04	0.7	1.71e-02	5.7	5.7	5.7	5.7	-89.4	-223.5	34.7	-4753.7	-4014.5	1228.6
802	ok	0.04	0.7	1.75e-02	5.7	5.7	5.7	5.7	-6.3	-44.1	82.9	-5292.3	-3283.0	-2031.3
806	ok	0.04	0.7	1.02e-02	5.7	5.7	5.7	5.7	-25.7	11.8	109.7	-5280.7	-5082.8	-1999.4
810	ok	0.04	0.9	1.19e-02	5.7	5.7	5.7	5.7	-26.0	17.7	106.5	-6170.4	-5285.0	-2179.0
814	ok	0.04	1.0	2.79e-02	5.8	5.7	8.9	5.7	-3.1	34.4	3.0	-8927.6	-5235.7	-453.7
818	ok	0.04	0.4	4.93e-03	5.7	5.7	5.7	5.7	-16.6	-64.1	1.4	-5009.9	-1953.5	-1284.8
822	ok	0.04	0.6	1.38e-02	5.7	5.7	5.7	5.7	-3.13e-02	-66.8	5.0	-5585.0	-1040.4	-759.6
826	ok	0.04	0.6	1.62e-02	5.7	5.7	5.7	5.7	66.1	160.1	4.7	-6144.3	1975.6	-1371.4
830	ok	0.04	1.0	8.89e-03	6.8	5.7	5.7	5.7	57.6	-62.3	1.3-1.527e+04		-25.2	-1497.0
834	ok	0.04	1.0	1.58e-02	5.8	5.7	5.8	5.7	60.8	102.3	-3.1-1.077e+04	-3848.9		-4553.3
838	ok	0.04	1.0	2.02e-02	6.0	5.7	6.0	5.7	51.8	211.4	19.9	-8464.7	-7768.5	-2619.2
842	ok	0.04	0.5	7.49e-03	5.7	5.7	5.7	5.7	14.9	-36.0	-36.6	-6744.3	-1293.5	689.2
846	ok	0.04	0.4	6.45e-03	5.7	5.7	5.7	5.7	2.6	-14.3	-23.4	-4426.8	-2787.8	97.9
850	ok	0.04	0.5	1.11e-02	5.7	5.7	5.7	5.7	3.0	-59.4	-3.8	-3746.5	-1891.6	1278.0

854	ok	0.04	0.5	1.27e-02	5.7	5.7	5.7	5.7	4.3	-37.9	-5.4	-3642.4	-2820.1	931.0
858	ok	0.04	0.4	5.13e-03	5.7	5.7	5.7	5.7	1.1	-0.4	18.4	-2647.6	-4130.8	688.2
862	ok	0.04	0.4	5.99e-03	5.7	5.7	5.7	5.7	7.2	3.6	15.0	-2883.1	-4146.8	645.4
866	ok	0.04	0.5	1.05e-02	5.7	5.7	5.7	5.7	23.9	-60.4	-32.3	-6690.1	-364.9	2432.0
870	ok	0.04	1.0	2.39e-02	6.6	5.7	6.8	5.7	63.7	235.1	13.9	-9601.8	-9814.4	-1954.6
874	ok	0.04	1.0	2.27e-02	6.0	5.7	6.0	5.7	61.6	-136.1	-59.3	-1.297e+04	4944.1	-1053.2
878	ok	0.04	1.0	2.23e-02	5.7	5.7	5.7	5.7	58.6	242.0	21.1	-9099.9	-5251.2	-2302.0
882	ok	0.04	0.8	1.35e-02	5.7	5.7	5.7	5.7	62.4	-1.7	-173.4	-4870.7	-7256.6	-1054.1
886	ok	0.04	0.8	1.86e-02	5.7	5.7	5.7	5.7	-94.9	37.6	-72.5	5450.7	-1.039e+04	-1160.8
890	ok	0.04	1.0	2.17e-02	5.9	5.7	6.7	5.7	-66.3	69.1	-14.3	4628.2	-1.613e+04	-702.4
894	ok	0.04	0.6	2.25e-02	5.7	5.7	5.7	5.7	-217.8	-10.4	140.0	-2471.9	-7648.5	889.0
3593	NV	0.14	1.0	1.35e-02	57.1	28.9	46.9	33.7	153.7	20.7	36.1	-9.322e+04	-7.551e+04	4.053e+04
3601	ok	0.10	1.0	1.43e-02	90.7	67.7	71.1	58.3	94.8	-57.0	-48.0	-1.730e+05	-8.991e+04	-5.920e+04
3977	ok	0.04	0.5	8.88e-03	5.7	5.7	5.7	5.7	11.9	-39.5	10.1	-8452.6	1112.7	1066.3
4153	ok	0.04	0.7	9.64e-03	5.7	5.7	5.7	5.7	-9.1	-91.7	5.7	3297.8	8848.6	-2040.5
4154	ok	0.04	1.0	1.63e-02	5.9	5.7	7.6	5.7	-31.0	-222.6	1.5	6250.6	1.396e+04	-5592.3
4155	ok	0.04	0.9	1.01e-02	5.7	5.7	5.7	5.7	-100.0	5.3	-12.0	1.545e+04	7263.3	2889.4
4156	ok	0.04	1.0	8.75e-03	5.7	5.7	5.7	5.7	-32.3	-27.9	24.6	1.695e+04	7007.9	-2250.1
4157	ok	0.04	1.0	1.41e-02	5.7	8.3	5.7	7.3	-3.8	-191.6	14.7	1.970e+04	1.677e+04	-6232.9
4158	ok	0.04	1.0	2.35e-02	5.7	7.9	5.7	6.3	120.6	-85.0	-2.2	1.161e+04	1.054e+04	-1458.3
4159	ok	0.04	1.0	1.52e-02	5.7	6.4	5.7	7.1	-32.6	-206.2	3.7	9016.1	2.261e+04	3594.0
4160	ok	0.04	1.0	2.03e-02	5.7	6.0	5.7	6.0	-261.0	-13.7	-38.3	2.233e+04	7977.9	-3458.6
4161	ok	0.04	1.0	1.30e-02	5.7	6.5	5.7	5.7	-134.8	-56.8	21.2	1.874e+04	7085.2	2050.2
4162	ok	0.04	1.0	1.64e-02	5.7	8.4	5.7	6.3	-62.8	-67.1	-18.9	1.723e+04	7507.9	-3149.9
4163	ok	0.04	1.0	1.80e-02	5.7	5.9	5.7	6.6	-69.6	-224.1	44.1	1.254e+04	5670.2	1173.9
4164	ok	0.04	1.0	1.42e-02	5.7	7.2	5.7	5.9	-103.6	-78.4	-27.9	1.529e+04	1.052e+04	2674.0
4165	ok	0.04	1.0	2.31e-02	5.7	7.7	5.7	6.6	-246.9	-47.4	-58.2	2.168e+04	8269.1	-3718.5
4166	ok	0.04	1.0	1.92e-02	5.7	10.1	5.7	7.1	161.0	3.2	11.9	1.884e+04	8903.3	-3127.1
4167	ok	0.04	1.0	1.81e-02	5.7	6.6	5.7	6.1	101.5	2.8	27.2	1.321e+04	8009.7	589.1
4168	ok	0.04	0.9	1.52e-02	5.7	5.7	5.7	5.7	-175.3	5.0	21.0	1.197e+04	7585.4	-2485.7
4169	ok	0.04	1.0	2.34e-02	5.7	5.7	5.7	5.7	67.6	-54.2	-31.9	1.265e+04	7947.0	2092.3
4170	ok	0.04	1.0	2.19e-02	5.7	6.1	5.7	7.9	-64.4	-112.4	-98.0	9801.9	1.852e+04	6148.4
4171	ok	0.04	1.0	1.58e-02	5.7	6.4	5.7	7.4	-52.2	-102.8	-23.7	1.075e+04	2.247e+04	-2334.8
4172	ok	0.04	1.0	1.75e-02	5.7	7.0	5.7	7.0	-67.9	-180.9	2.9	1.156e+04	2.365e+04	4458.8
4173	ok	0.04	1.0	1.91e-02	5.7	6.6	5.7	6.7	-53.5	-193.3	-4.6	1.055e+04	2.362e+04	-2110.2
4174	ok	0.04	0.9	1.16e-02	5.7	5.7	5.7	5.7	-33.0	-119.3	-0.1	7679.2	1.824e+04	2367.6
4175	ok	0.04	1.0	1.06e-02	5.7	6.1	5.7	6.3	-48.2	-111.8	2.8	8897.6	2.057e+04	2559.6
4176	ok	0.04	1.0	1.97e-02	5.7	7.2	5.7	8.5	-118.0	-57.8	38.4	1.857e+04	2.063e+04	-6403.7
4177	ok	0.04	0.9	7.96e-03	5.7	5.7	5.7	5.7	-17.2	-57.2	7.6	7785.9	1.616e+04	-1472.3
4178	ok	0.04	1.0	2.44e-02	5.7	5.8	5.7	8.7	-138.1	-264.1	-82.2	1.011e+04	2.477e+04	-2953.4
4179	ok	0.04	1.0	1.44e-02	5.7	6.3	5.7	7.6	-53.5	-98.8	28.6	1.055e+04	2.211e+04	2267.8
4180	ok	0.04	0.9	1.69e-02	5.7	5.7	5.7	5.7	-194.6	-63.4	-11.9	9383.5	8766.9	177.2
4181	ok	0.04	1.0	2.20e-02	5.7	7.7	5.7	6.4	-233.1	-33.2	49.8	2.010e+04	8566.6	3253.3
4182	ok	0.04	1.0	1.92e-02	5.7	6.6	5.7	7.8	-69.5	-189.4	-2.8	1.081e+04	2.463e+04	-5095.5
4183	ok	0.04	1.0	1.92e-02	5.7	6.4	5.7	6.8	-50.3	-196.5	21.9	1.059e+04	2.359e+04	2091.1
4184	ok	0.04	1.0	1.89e-02	5.7	6.5	5.7	6.3	106.3	-62.3	-45.1	1.343e+04	7768.5	3495.9
4185	ok	0.04	1.0	1.94e-02	5.7	10.0	5.7	6.5	164.5	2.5	-11.2	1.845e+04	5657.6	3251.7
4186	ok	0.04	1.0	1.42e-02	5.7	7.2	5.7	5.9	-106.0	-79.4	34.2	1.535e+04	1.060e+04	-2669.1
4187	ok	0.04	1.0	2.39e-02	5.7	5.8	5.7	5.8	-321.1	63.9	-35.2	1.634e+04	-1516.9	4683.3
4188	ok	0.04	1.0	2.22e-02	6.1	8.1	6.1	6.0	188.5	-102.9	-97.3	9225.2	1.626e+04	2285.0
4189	ok	0.04	1.0	1.70e-02	5.7	8.5	5.7	6.6	-69.1	-65.6	18.8	1.694e+04	7402.9	3141.2
4190	ok	0.04	1.0	1.81e-02	5.7	5.7	5.7	5.7	-237.8	-17.5	31.7	2.077e+04	8123.5	3541.5
4191	ok	0.04	1.0	1.37e-02	5.7	8.8	5.7	5.7	146.1	-29.7	28.2	1.835e+04	6918.1	-1816.9
4192	ok	0.04	1.0	1.26e-02	5.7	7.6	5.7	7.2	7.4	-171.7	-7.5	1.785e+04	1.604e+04	5616.9
4193	ok	0.04	1.0	8.00e-03	5.7	5.9	5.7	5.8	-52.8	-33.3	-23.9	1.776e+04	7263.8	2395.2
4194	ok	0.04	1.0	1.99e-02	6.3	7.2	6.0	7.2	-259.1	-15.8	-30.2	2.239e+04	1.381e+04	-5470.8
4195	ok	0.04	1.0	1.14e-02	5.7	6.1	5.7	6.8	-19.8	-139.4	3.7	7628.2	1.679e+04	-2863.1
4196	ok	0.04	1.0	1.70e-02	5.7	7.9	5.7	8.6	-35.3	-113.7	22.3	7609.9	2.595e+04	-5555.8
4197	ok	0.04	0.8	1.01e-02	5.7	5.7	5.7	5.7	-85.3	4.7	13.7	1.376e+04	7046.5	-3311.9
4198	ok	0.04	1.0	1.58e-02	5.8	5.7	7.9	5.7	-27.5	-215.8	1.7	5298.6	1.343e+04	4733.3
4199	ok	0.04	0.8	9.50e-03	5.7	5.7	5.7	5.7	-27.2	-111.4	39.9	4053.2	9797.9	-2576.0
4200	ok	0.04	1.0	8.10e-03	5.7	5.7	5.7	6.1	-42.5	-50.0	9.4	7668.8	1.769e+04	-2484.1
4201	ok	0.04	1.0	2.25e-02	5.7	5.7	5.7	5.9	-49.5	-197.8	-17.8	7331.2	2.044e+04	2484.1
4202	ok	0.04	1.0	1.43e-02	5.7	6.9	5.7	6.9	-27.0	-139.2	-33.0	7720.3	2.199e+04	6041.5
4203	ok	0.04	0.3	3.74e-03	5.7	5.7	5.7	5.7	14.3	46.1	0.1	278.2	-2629.3	918.0
4205	ok	0.05	1.0	3.38e-02	11.9	5.7	9.1	5.7	-1.0	-34.4	-10.9	-7864.8	-8215.8	-7840.1
4206	ok	0.05	1.0	3.77e-02	11.9	6.6	10.7	5.7	-62.4	-256.2	4.0	1111.0	-8968.5	-1691.7
4207	ok	0.04	0.3	3.79e-03	5.7	5.7	5.7	5.7	-19.4	-50.6	1.4	2585.5	4481.5	-653.3
4208	ok	0.04	1.0	3.51e-02	10.8	5.7	7.3	5.7	-395.9	-148.8	72.0	-1.616e+04	-7910.9	5335.5
4209	ok	0.05	1.0	3.98e-02	12.8	6.5	10.2	5.8	264.9	306.2	108.9	-671.6	-7812.5	-2404.0
4210	ok	0.05	1.0	4.79e-02	12.9	9.1	10.6	8.9	-421.1	-359.9	96.3	7694.3	-530.5	-409.0
4211	ok	0.05	1.0	4.54e-02	13.0	8.6	11.6	8.2	197.7	187.4	71.2	2338.5	-1.114e+04	-1700.3
4212	ok	0.05	1.0	4.57e-02	11.9	5.7	10.1	5.7	399.3	149.9	71.3	-1.190e+04	2831.8	-2130.0
4213	ok	0.05	1.0	4.37e-02	11.3	5.7	11.0	5.7	210.2	483.0	-78.6	-4191.9	-9889.8	4625.2
4214	ok	0.05	1.0	4.71e-02	14.4	6.7	11.4	16.2	-226.2	-467.8	-8.1	-2.917e+04	-2.519e+04	1.056e+04
4215	ok	0.06	1.0	4.79e-02	19.1	7.4	9.3	11.4	-293.8	-306.6	-37.8	-3.261e+04	-1.920e+04	-1.286e+04
4220	ok	0.04	0.8	1.31e-02	5.7	5.7	5.7	5.7	-22.8	-81.1	-15.0	-851.8	3697.4	-963.3

4222	ok	0.04	0.5	1.14e-02	5.7	5.7	5.7	5.7	-91.4	-5.8	-6.0	7788.6	-665.2	-2708.1
4223	ok	0.04	1.0	2.12e-02	7.0	5.7	5.7	5.7	182.6	6.4	21.6-1.183e+04	1089.0	1089.0	-1304.2
4224	ok	0.04	1.0	2.30e-02	11.0	5.7	5.7	5.7	-73.0	-10.4	20.6-2.618e+04	-4586.1	-4586.1	-575.3
4225	ok	0.05	1.0	2.28e-02	11.4	5.7	6.5	5.7	-74.7	-28.5	20.0-2.745e+04	-3691.3	-3691.3	-2928.3
4226	ok	0.04	0.8	1.70e-02	5.7	5.7	5.7	5.7	-228.4	-52.5	-22.1-1.468e+04	-3618.1	-3618.1	-2988.4
4227	ok	0.04	1.0	1.53e-02	5.7	6.6	5.7	5.9	153.8	33.6	15.8 1.213e+04	4117.9	4117.9	-3890.5
4228	ok	0.04	0.8	1.47e-02	5.7	5.7	5.7	5.7	-128.0	-11.1	-24.4 -9275.1	-705.2	-705.2	2758.0
4229	ok	0.04	0.6	1.42e-02	5.7	5.7	5.7	5.7	-145.3	-7.4	11.2 -4655.5	-283.7	-283.7	1357.5
4230	ok	0.04	0.9	1.15e-02	5.7	5.7	5.7	5.7	-23.8	-29.2	-11.5 9932.8	3048.9	3048.9	-264.8
4231	ok	0.04	1.0	1.27e-02	5.7	5.8	5.7	5.7	-21.2	22.0	-14.8 1.096e+04	-3799.7	-3799.7	-956.8
4232	ok	0.04	0.8	1.88e-02	5.7	5.7	5.7	5.7	97.5	-2.2	-41.2 -1376.3	443.0	443.0	1672.5
4233	ok	0.04	1.0	2.39e-02	6.3	5.7	5.7	5.7	111.0	1.2	-7.7 -7488.2	44.9	44.9	164.4
4234	ok	0.04	1.0	2.51e-02	5.7	6.3	5.7	5.7	123.4	-13.5	15.7 -5023.4	978.4	978.4	157.9
4235	ok	0.04	1.0	2.56e-02	5.7	7.6	5.7	5.8	340.1	-3.9	15.6 5950.9	-3304.8	-3304.8	-2853.3
4236	ok	0.04	1.0	2.84e-02	8.1	5.7	5.7	5.7	79.1	3.8	-0.3 -5607.9	1803.5	1803.5	461.5
4237	ok	0.04	1.0	2.76e-02	7.8	5.7	5.7	5.7	355.9	-0.8	-22.1 -6119.3	595.4	595.4	1733.8
4238	ok	0.04	1.0	2.68e-02	5.9	5.7	5.7	5.7	232.8	-18.5	-40.8 1971.5	3457.9	3457.9	1960.8
4239	ok	0.04	1.0	2.30e-02	5.7	7.1	5.7	5.7	250.2	34.3	-46.3 7888.2	-3444.4	-3444.4	3507.7
4240	ok	0.04	0.6	1.29e-02	5.7	5.7	5.7	5.7	120.0	-12.8	-17.1 2325.1	3212.2	3212.2	421.4
4241	ok	0.04	0.6	1.21e-02	5.7	5.7	5.7	5.7	-29.9	3.2	-31.4 -3935.4	-726.0	-726.0	1330.0
4242	ok	0.04	0.5	1.00e-02	5.7	5.7	5.7	5.7	-80.0	-29.6	-41.0 206.1	2719.1	2719.1	1105.3
4243	ok	0.04	0.8	1.11e-02	5.7	5.7	5.7	5.7	-103.2	29.5	24.1 7577.0	-3761.1	-3761.1	-1691.0
4244	ok	0.04	0.5	1.09e-02	5.7	5.7	5.7	5.7	-102.5	-29.8	8.7 1962.3	3240.6	3240.6	-620.4
4245	ok	0.04	0.6	1.14e-02	5.7	5.7	5.7	5.7	-108.3	-10.1	2.6 -6223.3	-750.0	-750.0	-111.4
4246	ok	0.04	0.6	1.29e-02	5.7	5.7	5.7	5.7	-103.5	-15.0	3.3 -5365.7	717.9	717.9	-345.2
4247	ok	0.04	0.8	1.41e-02	5.7	5.7	5.7	5.7	10.7	-0.7	-1.5 6408.5	-2539.4	-2539.4	117.8
4248	ok	0.04	0.9	1.27e-02	5.7	5.7	5.7	5.7	176.7	-7.0	-10.4 -7923.0	50.2	50.2	-707.9
4249	ok	0.04	1.0	1.12e-02	7.4	5.7	5.7	5.7	179.0	2.0	-8.8-1.377e+04	-757.1	-757.1	-988.3
4250	ok	0.04	1.0	7.22e-03	6.4	5.7	5.7	5.7	15.7	-2.9	1.7-1.379e+04	871.9	871.9	-998.5
4251	ok	0.04	0.4	2.82e-03	5.7	5.7	5.7	5.7	-29.4	1.6	-18.8 -6212.1	-2043.5	-2043.5	2223.0
4252	ok	0.04	0.7	9.49e-03	5.7	5.7	5.7	5.7	12.5	92.0	-24.6 -2069.3	-5265.9	-5265.9	3148.0
4253	ok	0.04	0.9	9.54e-03	5.7	5.7	5.7	5.7	-17.0	188.1	5.1 2421.3	-7822.1	-7822.1	-2020.6
4254	ok	0.04	0.7	1.18e-02	5.7	5.7	5.7	5.7	-4.9	118.2	4.4 -2139.7	-3659.1	-3659.1	3132.0
4255	ok	0.04	1.0	1.41e-02	5.7	5.7	5.7	5.7	-16.4	124.5	25.5 1648.2	-8060.1	-8060.1	119.1
4256	ok	0.04	1.0	1.45e-02	5.7	5.7	5.7	5.7	-9.4	29.4	40.7 525.5	-4891.8	-4891.8	-1677.7
4257	ok	0.04	0.6	1.18e-02	5.7	5.7	5.7	5.7	9.4	-57.1	-12.4 -379.4	-4303.2	-4303.2	-904.0
4258	ok	0.04	0.7	1.66e-02	5.7	5.7	5.7	5.7	-5.9	-128.6	30.7 2986.6	6206.9	6206.9	-2181.4
4259	ok	0.04	0.8	1.84e-02	5.7	5.7	5.7	5.7	22.1	94.1	3.8 -2031.5	2587.9	2587.9	3553.5
4260	ok	0.04	0.6	1.83e-02	5.7	5.7	5.7	5.7	-12.6	-21.2	15.1 974.3	-3324.6	-3324.6	-236.3
4261	ok	0.04	0.7	1.86e-02	5.7	5.7	5.7	5.7	-0.8	-26.1	13.8 -597.8	-5318.8	-5318.8	585.3
4262	ok	0.04	0.7	1.93e-02	5.7	5.7	5.7	5.7	1.3	-56.6	18.1 39.6	-3476.3	-3476.3	987.5
4263	ok	0.04	0.7	2.18e-02	5.7	5.7	5.7	5.7	-4.6	-48.6	-9.1 -309.0	-3319.8	-3319.8	-750.1
4264	ok	0.04	0.8	2.25e-02	5.7	5.7	5.7	5.7	50.2	-290.7	-1.8 -3849.3	6158.8	6158.8	-1867.3
4265	ok	0.04	0.9	2.25e-02	5.7	5.7	5.7	5.7	-2.5	-135.1	-20.7 965.6	1.055e+04	1.055e+04	156.3
4266	ok	0.04	0.7	2.11e-02	5.7	5.7	5.7	5.7	-4.3	-105.1	8.1 168.9	-3084.3	-3084.3	546.9
4267	ok	0.04	0.7	1.97e-02	5.7	5.7	5.7	5.7	-4.9	-104.5	7.8 -59.4	-4659.5	-4659.5	509.2
4268	ok	0.04	0.7	1.95e-02	5.7	5.7	5.7	5.7	-6.0	-114.0	4.9 -154.5	-3337.8	-3337.8	854.2
4269	ok	0.04	0.7	1.88e-02	5.7	5.7	5.7	5.7	-1.4	9.6	-20.8 -41.4	-3426.6	-3426.6	221.3
4270	ok	0.04	0.8	1.80e-02	5.7	5.7	5.7	5.7	-13.0	-159.0	3.4 1783.7	1.270e+04	1.270e+04	554.9
4271	ok	0.04	0.7	1.80e-02	5.7	5.7	5.7	5.7	3.8	-13.3	-54.4 2507.5	2789.4	2789.4	1822.0
4272	ok	0.04	0.6	1.23e-02	5.7	5.7	5.7	5.7	-4.7	81.3	-5.6 716.2	-2868.9	-2868.9	-920.4
4273	ok	0.04	1.0	1.61e-02	5.7	5.7	5.9	5.7	5.8	142.5	-25.1 -260.1	-9132.6	-9132.6	-179.1
4274	ok	0.04	1.0	1.53e-02	5.7	5.7	6.0	5.7	-28.4	132.2	-0.2 3018.6	-6688.2	-6688.2	913.4
4275	ok	0.04	0.8	1.32e-02	5.7	5.7	5.7	5.7	5.9	155.1	-5.9 -2616.7	-6242.2	-6242.2	-1889.4
4276	ok	0.04	1.0	1.07e-02	5.7	5.7	5.7	5.7	-16.4	201.5	-8.0 2486.3	-7517.1	-7517.1	2537.0
4277	ok	0.04	0.7	9.81e-03	5.7	5.7	5.7	5.7	10.6	100.5	31.2 -1886.4	-6025.9	-6025.9	-2956.4
4278	ok	0.04	0.4	3.15e-03	5.7	5.7	5.7	5.7	17.5	-2.3	2.1 -4262.3	-832.4	-832.4	-286.2
4279	ok	0.04	1.0	7.98e-03	6.7	5.7	5.7	5.7	56.0	1.3	0.4-1.269e+04	979.8	979.8	470.2
4280	ok	0.04	1.0	1.11e-02	7.6	5.7	5.7	5.7	183.9	-5.8	7.7-1.381e+04	-513.3	-513.3	919.4
4281	ok	0.04	1.0	1.35e-02	5.7	5.7	5.7	5.7	190.9	-2.3	9.4 -8051.0	108.5	108.5	651.8
4282	ok	0.04	0.9	1.38e-02	5.7	5.7	5.7	5.7	-101.6	2.9	16.7 3568.2	-1896.4	-1896.4	-2081.0
4283	ok	0.04	0.6	1.26e-02	5.7	5.7	5.7	5.7	42.1	-0.3	-1.3 -3968.9	478.9	478.9	1.5
4284	ok	0.04	0.6	1.12e-02	5.7	5.7	5.7	5.7	11.9	0.8	-0.2 -4954.6	439.5	439.5	-534.9
4285	ok	0.04	0.5	1.05e-02	5.7	5.7	5.7	5.7	-22.4	18.3	13.7 -2301.5	779.9	779.9	494.1
4286	ok	0.04	0.8	1.08e-02	5.7	5.7	5.7	5.7	-31.7	-6.1	-23.7 7821.3	-806.7	-806.7	2069.4
4287	ok	0.04	0.4	9.39e-03	5.7	5.7	5.7	5.7	-49.8	21.3	-12.3 2500.5	939.4	939.4	-316.4
4288	ok	0.04	0.5	1.27e-02	5.7	5.7	5.7	5.7	75.4	13.2	25.0 -3135.2	-532.2	-532.2	-918.4
4289	ok	0.04	0.6	1.40e-02	5.7	5.7	5.7	5.7	74.5	-15.8	24.8 -1666.9	1726.6	1726.6	-1237.1
4290	ok	0.04	1.0	2.41e-02	5.7	7.1	5.7	5.7	79.1	-8.6	1.6 7048.7	-1504.7	-1504.7	-1358.6
4291	ok	0.04	1.0	2.79e-02	6.0	5.7	5.7	5.7	42.3	-1.0	-1.0 -2596.7	833.3	833.3	392.7
4292	ok	0.04	1.0	2.87e-02	7.9	5.7	5.7	5.7	55.4	0.8	0.4 -7049.4	780.3	780.3	332.5
4293	ok	0.04	1.0	2.93e-02	8.2	5.7	5.8	5.7	72.2	2.0	0.7 -6292.0	539.5	539.5	-432.4
4294	ok	0.04	1.0	2.69e-02	5.7	7.6	5.7	5.8	325.8	-10.5	-18.0 5560.5	-2111.6	-2111.6	2270.4
4295	ok	0.04	1.0	2.58e-02	5.7	6.4	5.7	5.7	108.8	-4.2	5.6 -5699.1	219.7	219.7	-476.9
4296	ok	0.04	1.0	2.43e-02	6.3	5.7	5.7	5.7	102.3	1.0	7.8 -7491.6	30.9	30.9	-240.0
4297	ok	0.04	0.8	1.92e-02	5.7	5.7	5.7	5.7	110.1	6.1	7.9 -704.5	1417.0	1417.0	801.5
4298	ok	0.04	1.0	1.31e-02	5.7	5.8	5.7	5.7	116.9	2.4	5.8 5392.4	-1645.3	-1645.3	-1466.1

4299	ok	0.04	0.9	1.16e-02	5.7	5.7	5.7	5.7	-16.4	-19.7	17.6	5298.7	1408.1	1226.6
4300	ok	0.04	0.6	1.43e-02	5.7	5.7	5.7	5.7	-27.2	-3.5	19.6	342.5	932.7	1917.1
4301	ok	0.04	0.8	1.50e-02	5.7	5.7	5.7	5.7	-201.0	-10.5	23.1	-9006.6	-583.8	664.3
4302	ok	0.04	1.0	1.58e-02	5.7	6.6	5.7	6.0	227.9	50.6	-11.1	9583.7	3096.9	1894.3
4303	ok	0.04	0.9	1.92e-02	5.7	5.7	5.7	5.7	-257.6	-85.8	19.7	-1.517e+04	-3586.4	2990.5
4304	ok	0.05	1.0	2.48e-02	11.7	5.7	6.5	5.7	-78.9	0.8	-1.5	-2.500e+04	3800.3	859.1
4305	ok	0.04	1.0	2.52e-02	11.1	5.7	5.7	5.7	168.3	11.9	-31.7	-2.122e+04	-3923.9	-2109.9
4306	ok	0.04	1.0	2.29e-02	7.1	5.7	5.8	5.7	173.4	1.9	-29.0	-1.119e+04	1187.2	1418.5
4307	ok	0.04	0.5	1.30e-02	5.7	5.7	5.7	5.7	-171.5	2.8	-26.1	8572.1	-1948.8	2133.9
4309	ok	0.04	0.7	1.03e-02	5.7	5.7	5.7	5.7	9.2	29.1	-25.2	-2890.9	-2648.4	3116.1
4311	ok	0.04	0.7	1.20e-02	5.7	5.7	5.7	5.7	-139.8	14.3	5.5	7865.3	-3854.9	-2851.8
4312	ok	0.04	1.0	3.27e-02	8.0	7.1	5.7	7.1	-239.2	-9.7	-44.5	-1.144e+04	-375.0	-4848.2
4313	ok	0.05	1.0	4.68e-02	7.5	9.7	8.5	12.3	-117.8	-625.5	-103.8	3754.6	-1.536e+04	-4722.6
4314	ok	0.04	1.0	4.02e-02	6.5	5.7	6.9	6.8	-29.6	-442.4	-70.4	-352.4	-6736.9	4306.0
4315	ok	0.04	1.0	3.65e-02	5.7	5.7	6.5	5.7	-1.0	-118.6	-3.8	1370.0	2946.8	207.3
4316	ok	0.04	1.0	3.22e-02	5.7	6.0	5.7	7.2	-0.4	-127.0	-1.2	-3641.8	1.179e+04	1081.8
4317	ok	0.04	0.7	2.83e-02	5.7	5.7	5.7	5.7	-8.2	-231.8	4.3	1868.6	1283.6	-2646.0
4318	ok	0.04	0.7	2.77e-02	5.7	5.7	5.7	5.7	1.5	-212.5	-2.0	-372.8	-5218.6	-1289.7
4319	ok	0.04	0.6	2.36e-02	5.7	5.7	5.7	5.7	4.30e-03	-89.6	3.34e-03	286.5	-4673.3	171.4
4320	ok	0.04	0.5	2.07e-02	5.7	5.7	5.7	5.7	1.1	-107.1	-5.4	464.7	-2871.4	1515.0
4321	ok	0.04	0.6	2.14e-02	5.7	5.7	5.7	5.7	4.4	-174.3	-4.1	1860.5	7873.9	-3.5
4322	ok	0.04	1.0	2.35e-02	5.7	5.7	5.7	5.7	2.9	-111.8	-0.2	1417.2	1.382e+04	1869.4
4323	ok	0.04	0.4	2.34e-02	5.7	5.7	5.7	5.7	-0.7	-107.7	1.0	318.6	-2071.2	-990.4
4324	ok	0.04	0.7	2.62e-02	5.7	5.7	5.7	5.7	-10.6	-244.7	-15.5	-54.8	-4838.9	1139.3
4325	ok	0.04	0.6	2.32e-02	5.7	5.7	5.7	5.7	-4.3	-164.2	-10.7	468.4	-4738.1	1690.4
4326	ok	0.04	0.6	2.44e-02	5.7	5.7	5.7	5.7	-24.8	-220.8	26.3	578.9	-1871.0	2594.8
4327	ok	0.04	1.0	3.81e-02	5.7	5.7	5.7	7.6	68.5	-290.6	-36.6	-6269.5	7056.6	1079.3
4328	ok	0.04	1.0	3.75e-02	5.7	5.7	5.7	7.0	5.1	-272.9	-36.5	1449.6	6309.7	3011.2
4329	ok	0.04	1.0	3.67e-02	6.5	5.7	7.2	5.8	-25.5	-385.9	70.8	-639.0	-5728.1	-4354.7
4330	ok	0.04	1.0	4.60e-02	7.6	9.2	7.6	11.7	-55.6	-514.4	62.8	-1148.8	-1.106e+04	6626.3
4331	ok	0.04	1.0	2.17e-02	7.1	5.7	5.9	5.7	-158.9	-21.5	-16.2	-1.166e+04	-2226.8	4500.4
4332	ok	0.04	0.6	1.13e-02	5.7	5.7	5.7	5.7	104.7	-43.8	42.8	6416.7	2081.1	-2126.0
4333	ok	0.04	1.0	3.02e-02	5.7	8.6	5.7	7.3	84.9	-82.2	-0.4	7731.5	5398.1	-449.3
4334	ok	0.04	1.0	1.93e-02	6.0	5.7	5.7	5.7	128.5	-82.6	-6.9	4969.1	4021.4	-2126.2
4335	ok	0.04	1.0	1.83e-02	6.5	5.7	5.7	5.7	77.9	0.6	-7.02e-02	-5418.0	723.0	420.5
4336	ok	0.04	0.9	1.31e-02	5.7	5.7	5.7	5.7	86.1	0.4	0.4	-5506.1	587.1	-826.6
4337	ok	0.04	0.6	9.44e-03	5.7	5.7	5.7	5.7	189.7	67.2	0.9	3335.2	-777.3	375.4
4338	ok	0.04	1.0	9.28e-03	5.7	5.7	5.7	5.7	-10.0	-13.9	-1.3	8221.9	-461.9	2546.1
4339	ok	0.04	0.6	4.79e-03	5.7	5.7	5.7	5.7	67.1	-29.0	-35.8	-3177.2	1010.0	-351.7
4340	ok	0.04	0.8	1.10e-02	5.7	5.7	5.7	5.7	68.7	2.8	-33.4	-4139.2	178.4	-832.8
4341	ok	0.04	0.7	1.18e-02	5.7	5.7	5.7	5.7	-130.2	35.0	-20.1	3299.0	1368.3	598.8
4342	ok	0.04	1.0	3.60e-02	6.4	9.2	6.4	6.1	-80.8	30.4	-5.1	1.042e+04	-1468.0	-2304.5
4343	ok	0.04	1.0	3.65e-02	6.4	5.7	8.0	5.7	-27.4	-258.9	-33.3	941.8	-7650.6	4245.7
4344	ok	0.04	0.8	2.26e-02	5.7	5.7	5.7	5.7	-5.6	-149.0	-25.8	1299.4	-907.8	4359.5
4345	ok	0.04	0.6	1.79e-02	5.7	5.7	5.7	5.7	9.5	-139.9	-41.1	1120.3	1511.5	3803.2
4346	ok	0.04	1.0	1.55e-02	5.7	5.7	5.7	5.7	-0.2	6.2	-0.4	-3059.0	1.329e+04	1035.0
4347	ok	0.04	0.6	1.47e-02	5.7	5.7	5.7	5.7	17.4	-40.7	-3.5	1371.1	4100.0	1707.1
4348	ok	0.04	0.5	1.41e-02	5.7	5.7	5.7	5.7	-11.2	-157.9	-5.1	-195.6	-2759.8	-1517.2
4349	ok	0.04	0.4	1.29e-02	5.7	5.7	5.7	5.7	-10.1	-153.2	-0.2	-129.5	-4008.6	-882.8
4350	ok	0.04	0.3	1.21e-02	5.7	5.7	5.7	5.7	0.6	-83.0	-4.2	-234.9	-4226.7	-21.4
4351	ok	0.04	0.4	1.24e-02	5.7	5.7	5.7	5.7	-0.4	-35.1	-2.6	2418.3	3044.2	214.0
4352	ok	0.04	0.7	1.28e-02	5.7	5.7	5.7	5.7	3.80e-02	-67.0	-0.2	-2367.6	1.074e+04	443.7
4353	ok	0.04	0.4	1.25e-02	5.7	5.7	5.7	5.7	14.9	34.0	-16.5	757.1	2804.8	-561.5
4354	ok	0.04	0.3	1.19e-02	5.7	5.7	5.7	5.7	-0.2	-41.5	1.4	383.7	-2773.5	-1067.6
4355	ok	0.04	0.4	1.27e-02	5.7	5.7	5.7	5.7	-10.8	-159.4	5.4	-67.0	-3820.4	1378.6
4356	ok	0.04	0.5	1.40e-02	5.7	5.7	5.7	5.7	5.1	22.2	-17.1	-372.2	-4737.9	-245.3
4357	ok	0.04	0.6	1.42e-02	5.7	5.7	5.7	5.7	-0.4	-59.7	-2.7	2917.8	4973.2	-955.4
4358	ok	0.04	1.0	1.52e-02	5.7	5.8	5.7	5.8	22.8	55.8	-41.1	-3829.7	6540.6	3778.2
4359	ok	0.04	0.6	1.79e-02	5.7	5.7	5.7	5.7	-8.5	-155.9	26.3	391.6	2023.3	-3768.7
4360	ok	0.04	0.8	2.34e-02	5.7	5.7	5.7	5.7	-22.9	-212.9	27.7	1214.0	-2958.1	-4242.4
4361	ok	0.04	1.0	3.60e-02	6.5	5.7	8.1	5.7	-28.7	-267.0	36.1	494.0	-7907.7	-4504.0
4362	ok	0.04	1.0	3.42e-02	6.5	8.5	6.5	6.0	-117.9	-12.7	13.2	1.195e+04	-1165.1	4369.4
4363	ok	0.04	0.7	1.21e-02	5.7	5.7	5.7	5.7	199.7	-30.4	-15.3	-1972.8	3645.9	2047.3
4364	ok	0.04	0.8	1.04e-02	5.7	5.7	5.7	5.7	163.4	16.5	-43.8	-5181.7	89.8	1311.1
4365	ok	0.04	0.5	5.68e-03	5.7	5.7	5.7	5.7	13.8	-16.1	-19.6	-2514.5	1504.6	1032.1
4366	ok	0.04	0.9	9.71e-03	5.7	5.7	5.7	5.7	85.3	1.4	1.6	9133.7	-3408.1	59.3
4367	ok	0.04	0.7	9.59e-03	5.7	5.7	5.7	5.7	-103.2	-48.7	-9.3	6871.4	3456.4	-165.0
4368	ok	0.04	0.9	1.32e-02	5.7	5.7	5.7	5.7	88.1	0.4	-0.3	-5504.4	482.6	692.0
4369	ok	0.04	1.0	1.80e-02	6.6	5.7	5.7	5.7	281.1	14.0	19.2	-6096.5	614.7	68.3
4370	ok	0.04	1.0	1.79e-02	5.7	5.9	5.7	5.7	-153.0	-49.0	-13.6	1955.1	3359.3	-713.5
4371	ok	0.04	1.0	3.33e-02	7.3	8.1	6.0	6.5	-146.2	31.5	-33.3	167.0	-7647.2	-3877.5
4372	ok	0.04	1.0	2.86e-02	5.7	5.7	7.6	5.7	-57.8	157.3	-14.9	3652.8	-1.220e+04	1854.1
4373	ok	0.04	0.7	1.49e-02	5.7	5.7	5.7	5.7	-11.9	-66.4	-2.3	16.2	-4274.1	2486.3
4374	ok	0.04	0.4	1.22e-02	5.7	5.7	5.7	5.7	5.4	-36.8	-7.4	-369.1	-77.3	2360.9
4375	ok	0.04	0.9	1.27e-02	5.7	5.7	5.7	5.7	-25.4	80.6	7.2	1695.6	9908.9	1599.1
4376	ok	0.04	0.6	1.29e-02	5.7	5.7	5.7	5.7	-12.2	51.1	0.4	1965.7	1374.0	-942.4
4377	ok	0.04	0.4	1.04e-02	5.7	5.7	5.7	5.7	-3.5	-72.3	0.3	360.0	-3628.0	-837.1

4378	ok	0.04	0.5	1.03e-02	5.7	5.7	5.7	5.7	1.1	-15.5	3.6	33.4	-4777.1	-251.6
4379	ok	0.04	0.5	1.04e-02	5.7	5.7	5.7	5.7	8.2	45.4	-11.5	-632.0	-4887.9	705.4
4380	ok	0.04	0.5	1.30e-02	5.7	5.7	5.7	5.7	-1.6	40.7	-10.7	394.2	-2558.2	1227.8
4381	ok	0.04	0.9	1.41e-02	5.7	5.7	5.7	5.7	0.5	-14.7	1.3	-2268.7	8641.1	391.0
4382	ok	0.04	0.6	1.30e-02	5.7	5.7	5.7	5.7	23.6	31.7	11.7	-25.7	2006.9	182.0
4383	ok	0.04	0.4	1.05e-02	5.7	5.7	5.7	5.7	-0.2	-45.3	-14.1	-630.3	-3104.3	-279.1
4384	ok	0.04	0.5	9.46e-03	5.7	5.7	5.7	5.7	0.9	10.5	0.6	285.8	-3787.1	186.8
4385	ok	0.04	0.5	9.60e-03	5.7	5.7	5.7	5.7	7.3	41.5	-28.2	712.2	-4528.4	1713.6
4386	ok	0.04	0.6	1.11e-02	5.7	5.7	5.7	5.7	18.9	70.1	2.5	1082.2	3383.7	-1414.1
4387	ok	0.04	0.9	1.10e-02	5.7	5.7	5.7	5.7	9.9	64.0	3.8	-2180.4	8603.3	1838.2
4388	ok	0.04	0.3	9.09e-03	5.7	5.7	5.7	5.7	-15.7	32.0	-7.4	1309.6	-1609.1	1839.9
4389	ok	0.04	0.7	1.34e-02	5.7	5.7	5.7	5.7	-3.4	34.4	-12.9	-43.1	-4183.3	2059.1
4390	ok	0.04	1.0	2.06e-02	5.7	5.7	5.8	5.7	29.2	155.8	-25.0	-185.2	-5090.9	2963.4
4391	ok	0.04	1.0	3.68e-02	8.1	5.7	6.1	5.7	61.4	-12.5	-33.2	-7884.9	540.2	-405.6
4392	ok	0.04	1.0	2.14e-02	5.7	5.7	5.7	5.7	39.4	2.9	-33.4	-7211.4	-417.5	-1020.2
4393	ok	0.04	0.5	1.62e-02	5.7	5.7	5.7	5.7	106.2	39.4	9.2	1716.7	1146.5	6.7
4394	ok	0.04	1.0	2.07e-02	5.7	5.9	5.7	5.7	111.3	16.8	20.3	1.036e+04	-1164.8	-2288.2
4395	ok	0.04	0.6	2.53e-02	5.7	5.7	5.7	5.7	169.8	47.5	-7.1	1089.4	1606.6	783.8
4396	ok	0.04	1.0	3.77e-02	8.3	5.7	6.0	5.7	343.6	39.5	93.6	-8978.2	1153.9	2908.1
4397	ok	0.04	1.0	3.79e-02	6.6	5.7	8.5	5.7	7.3	137.7	15.1	-1153.4	-5802.0	-2896.1
4398	ok	0.04	1.0	3.37e-02	6.3	5.7	7.2	5.7	-2.3	108.0	24.2	-531.4	-5119.0	-2545.9
4399	ok	0.04	1.0	3.26e-02	5.7	5.7	5.7	5.7	17.6	-52.2	-27.0	1416.8	2136.5	2999.0
4400	ok	0.04	1.0	2.79e-02	5.7	6.4	5.7	7.6	-1.93e-02	51.3	1.0	-3242.5	1.347e+04	480.6
4401	ok	0.04	0.9	2.18e-02	5.7	5.7	5.7	5.7	14.2	-141.9	-25.5	1708.1	2777.0	1837.3
4402	ok	0.04	0.8	1.90e-02	5.7	5.7	5.7	5.7	-13.8	-91.8	-1.9	-41.4	-4611.8	-1933.6
4403	ok	0.04	0.6	1.53e-02	5.7	5.7	5.7	5.7	1.0	-71.7	-1.4	366.4	-4739.3	173.7
4404	ok	0.04	0.5	1.24e-02	5.7	5.7	5.7	5.7	-4.9	-97.6	-12.5	18.1	-4650.9	905.6
4405	ok	0.04	0.4	1.15e-02	5.7	5.7	5.7	5.7	-19.0	-135.8	7.0	2637.1	2817.2	-1121.7
4406	ok	0.04	0.9	1.09e-02	5.7	5.7	5.7	5.7	7.47e-02	-48.5	1.0	-2409.8	1.149e+04	474.1
4407	ok	0.04	0.4	1.10e-02	5.7	5.7	5.7	5.7	12.7	38.2	7.5	1461.0	1627.7	461.1
4408	ok	0.04	0.4	1.20e-02	5.7	5.7	5.7	5.7	1.0	-39.0	2.1	582.4	-3904.9	-1083.2
4409	ok	0.04	0.6	1.46e-02	5.7	5.7	5.7	5.7	-9.6	-89.1	-1.2	36.5	-3999.3	1399.0
4410	ok	0.04	0.7	1.78e-02	5.7	5.7	5.7	5.7	-11.5	-90.2	1.2	85.9	-4514.0	1966.9
4411	ok	0.04	0.9	2.14e-02	5.7	5.7	5.7	5.7	-21.6	-22.9	4.2	3978.5	4664.6	1218.7
4412	ok	0.04	1.0	2.67e-02	5.7	6.1	5.7	7.6	18.3	52.4	-37.7	-4646.9	5631.8	4263.1
4413	ok	0.04	1.0	3.18e-02	5.7	5.8	5.7	5.8	18.8	-70.9	35.4	1551.4	2115.5	-3092.2
4414	ok	0.04	1.0	3.44e-02	6.4	5.7	7.4	5.7	18.3	347.5	-43.4	152.1	-5022.4	2363.3
4415	ok	0.04	1.0	4.10e-02	6.9	5.7	9.4	6.1	-14.3	-227.0	42.7	2076.0	-9087.3	-4772.6
4416	ok	0.04	1.0	3.68e-02	8.2	5.7	5.9	5.7	343.4	39.4	-89.7	-9171.0	1228.0	-2781.7
4417	ok	0.04	0.6	2.47e-02	5.7	5.7	5.7	5.7	-62.1	-1.5	-4.66e-02	3416.8	2411.8	379.8
4418	ok	0.04	1.0	2.12e-02	5.7	5.7	5.7	5.7	-63.8	-0.5	0.4	1.305e+04	-2540.6	676.0
4419	ok	0.04	0.5	1.62e-02	5.7	5.7	5.7	5.7	8.4	25.6	-13.2	4476.4	690.6	730.9
4420	ok	0.04	1.0	2.16e-02	5.7	5.7	5.7	5.7	185.1	21.3	53.4	-8142.6	-657.4	424.5
4421	ok	0.04	1.0	3.59e-02	7.5	5.7	6.5	5.7	62.0	-18.5	58.2	-8683.4	968.6	-151.2
4422	ok	0.04	1.0	4.22e-02	9.3	5.7	9.7	5.7	44.4	308.7	-1.8	-235.9	-4798.6	-3505.3
4423	ok	0.04	1.0	2.37e-02	5.8	5.7	5.9	5.7	15.2	131.2	-6.3	-189.4	-4418.6	-2611.5
4424	ok	0.04	0.7	1.86e-02	5.7	5.7	5.7	5.7	8.2	142.2	11.0	128.4	-1224.8	-1942.8
4425	ok	0.04	0.8	1.63e-02	5.7	5.7	5.7	5.7	-0.3	-48.7	0.7	-3521.6	1.037e+04	385.5
4426	ok	0.04	0.5	1.56e-02	5.7	5.7	5.7	5.7	-14.4	-102.6	9.5	2439.5	453.2	-2783.2
4427	ok	0.04	0.6	1.59e-02	5.7	5.7	5.7	5.7	-7.0	-85.4	-7.8	726.9	-3432.0	-2923.6
4428	ok	0.04	0.4	1.16e-02	5.7	5.7	5.7	5.7	-10.8	-157.4	-5.8	-356.3	-3750.3	-1786.8
4429	ok	0.04	0.3	1.01e-02	5.7	5.7	5.7	5.7	-1.1	-45.1	-1.4	868.2	-3861.0	688.4
4430	ok	0.04	0.3	1.16e-02	5.7	5.7	5.7	5.7	1.7	20.8	-21.3	808.2	-932.1	812.9
4431	ok	0.04	0.7	1.29e-02	5.7	5.7	5.7	5.7	-0.2	-74.5	1.4	-2978.1	1.013e+04	188.2
4432	ok	0.04	0.3	1.19e-02	5.7	5.7	5.7	5.7	-14.2	-14.1	6.0	1464.3	1294.0	-711.9
4433	ok	0.04	0.3	1.04e-02	5.7	5.7	5.7	5.7	-0.4	-60.8	0.9	855.4	-3860.5	-664.3
4434	ok	0.04	0.4	1.21e-02	5.7	5.7	5.7	5.7	-3.3	-59.4	-6.0	700.7	-4218.8	693.8
4435	ok	0.04	0.6	1.65e-02	5.7	5.7	5.7	5.7	-2.4	-50.4	-1.5	714.6	-3738.2	2170.1
4436	ok	0.04	0.6	1.63e-02	5.7	5.7	5.7	5.7	20.6	64.2	-30.9	1390.8	3315.7	-636.5
4437	ok	0.04	1.0	1.70e-02	5.7	5.7	5.7	5.7	-0.9	-49.4	5.22e-02	64.6	9160.4	803.6
4438	ok	0.04	0.8	2.08e-02	5.7	5.7	5.7	5.7	9.8	264.1	-45.1	238.2	-2323.3	2707.7
4439	ok	0.04	1.0	2.28e-02	5.9	5.7	5.9	5.7	21.3	274.1	-44.3	-459.3	-4995.0	3419.8
4440	ok	0.04	1.0	3.33e-02	7.3	5.7	8.2	5.7	7.6	325.9	-47.1	-490.1	-3851.6	4210.0
4441	ok	0.04	1.0	1.50e-02	7.2	5.7	5.9	5.7	130.3	16.2	-13.2	-1.063e+04	-1.002e+04	-1073.8
4442	ok	0.04	1.0	1.51e-02	9.6	5.7	6.8	5.7	185.1	15.5	-10.3	-1.929e+04	-7716.7	3000.6
4443	ok	0.04	0.9	1.40e-02	5.7	5.7	5.7	5.7	46.6	106.1	-54.0	-5444.9	-6287.3	3124.2
4444	ok	0.04	0.4	1.22e-02	5.7	5.7	5.7	5.7	-13.3	-47.5	-32.8	-322.7	4342.0	-773.6
4445	ok	0.04	0.8	1.21e-02	5.7	5.7	5.7	5.7	-15.3	-88.0	-36.8	-4413.7	4173.6	2509.9
4446	ok	0.04	0.7	9.68e-03	5.7	5.7	5.7	5.7	85.2	-8.8	11.5	-5493.3	-8046.2	730.2
4447	ok	0.04	1.0	1.17e-02	5.7	5.7	5.7	5.7	2.8	-46.8	37.5	-4123.6	-8200.3	-2610.6
4448	ok	0.04	0.7	8.67e-03	5.7	5.7	5.7	5.7	88.8	-3.3	-9.3	-5286.0	-8635.1	-371.1
4449	NV	0.08	1.0	1.40e-02	33.2	20.1	22.0	14.4	170.0	14.9	26.6	-6.588e+04	-1.497e+04	9518.9
4450	ok	0.04	0.7	1.48e-02	5.7	5.7	5.7	5.7	-1.3	2.7	29.5	5066.7	-7127.4	-787.0
4451	ok	0.04	1.0	1.57e-02	9.2	5.7	6.5	5.7	92.1	-100.7	-10.5	-1.429e+04	-7419.8	754.8
4452	ok	0.04	1.0	1.99e-02	8.0	5.7	6.0	5.7	178.8	22.5	42.4	-1.621e+04	-5217.1	2038.6
4453	ok	0.05	1.0	1.95e-02	11.5	5.7	8.0	5.7	178.0	13.1	25.6	-2.506e+04	-9238.5	793.9
4454	ok	0.07	1.0	1.79e-02	29.4	24.7	19.9	18.2	-123.4	-17.0	15.5	-5.965e+04	-3.022e+04	-2.167e+04

4455	ok	0.04	0.8	1.47e-02	5.7	5.7	5.7	5.7	29.9	43.2	-41.0	-7310.1	-6748.2	3802.3
4456	ok	0.04	0.5	1.37e-02	5.7	5.7	5.7	5.7	24.3	-26.7	32.7	-3527.3	-3070.6	903.2
4457	ok	0.04	0.7	1.36e-02	5.7	5.7	5.7	5.7	-111.7	-24.9	-27.4	5508.0	1766.0	-3830.9
4458	ok	0.04	0.7	1.52e-02	5.7	5.7	5.7	5.7	-192.3	9.2	54.7	-5213.0	-3151.0	-468.2
4459	ok	0.04	0.8	1.56e-02	5.7	5.7	5.7	5.7	68.8	41.8	-11.3	-7339.6	-3968.5	-357.9
4460	ok	0.04	1.0	1.72e-02	6.5	5.7	6.3	5.7	58.0	7.7	39.4	-1.043e+04	-2112.5	-1898.1
4461	ok	0.04	1.0	1.70e-02	6.0	5.7	5.7	5.7	-205.4	59.7	-54.5	-7637.7	-5595.5	2831.8
4462	ok	0.04	1.0	1.29e-02	5.7	5.7	5.7	5.7	69.1	-18.8	-12.1	-6941.7	-5248.8	1336.7
4463	ok	0.04	0.9	1.42e-02	5.7	5.7	5.7	5.7	57.0	-0.3	-18.4	-3773.0	-4787.4	-2280.0
4464	ok	0.04	0.8	1.13e-02	5.7	5.7	5.7	5.7	-117.1	45.5	-1.69e-02	-8613.7	-5577.0	2789.5
4465	ok	0.04	0.5	7.35e-03	5.7	5.7	5.7	5.7	-45.2	-1.6	-46.9	-2739.3	-4485.7	2423.9
4466	ok	0.04	1.0	1.79e-02	7.3	5.7	6.3	5.7	100.8	9.4	71.0	-1.356e+04	-4504.2	-2337.4
4467	ok	0.04	0.8	6.92e-03	5.7	5.7	5.7	5.7	73.2	2.3	1.7	-8990.7	-2970.5	-2952.8
4468	ok	0.04	0.8	8.20e-03	5.7	5.7	5.7	5.7	135.2	40.2	-28.6	-4141.0	-4679.4	4321.8
4469	ok	0.04	0.4	3.77e-03	5.7	5.7	5.7	5.7	-20.1	-6.6	19.4	-4939.3	-5035.6	1318.3
4470	ok	0.04	0.6	1.47e-02	5.7	5.7	5.7	5.7	-6.8	40.0	71.0	6899.3	-7340.5	-178.3
4471	ok	0.04	0.6	4.57e-03	5.7	5.7	5.7	5.7	4.3	-1.6	4.9	-8249.3	-2664.2	-683.0
4472	ok	0.04	1.0	1.04e-02	6.2	5.7	6.0	5.7	168.0	24.1	-65.0	-7136.4	-6126.1	3817.8
4473	ok	0.04	1.0	5.33e-03	5.9	5.7	5.7	5.7	67.6	-15.1	-50.4	-1.421e+04	-7064.8	-1986.3
4474	ok	0.04	1.0	2.02e-02	8.7	5.7	6.4	5.7	218.9	20.1	-7.1	-1.464e+04	-4932.9	2098.1
4475	ok	0.04	1.0	8.31e-03	6.3	5.7	5.7	5.7	40.1	-32.5	-53.3	-1.530e+04	-3259.9	-2171.0
4476	ok	0.05	1.0	1.87e-02	12.0	5.7	7.5	5.7	162.2	16.0	-35.2	-2.631e+04	-8742.3	-1460.0
4477	ok	0.07	1.0	2.05e-02	39.9	31.9	29.0	26.6	-223.9	-39.3	41.9	-7.809e+04	4660.2	2.775e+04
4478	ok	0.04	1.0	7.27e-03	6.1	5.7	6.7	5.7	2.6	23.4	-45.6	-3961.6	-1.028e+04	-1973.6
4479	ok	0.04	0.8	1.49e-02	5.7	5.7	5.7	5.7	29.8	47.8	45.9	-7228.0	-5378.8	-2600.3
4480	ok	0.04	0.5	1.38e-02	5.7	5.7	5.7	5.7	-147.9	23.4	1.1	-4296.6	-1668.3	1209.2
4481	ok	0.04	1.0	1.30e-02	6.5	5.7	7.3	5.7	3.9	13.8	8.2	-4452.2	-5534.6	-3800.2
4482	ok	0.04	0.7	1.36e-02	5.7	5.7	5.7	5.7	-25.3	-22.5	13.3	4881.9	1478.0	2518.1
4483	ok	0.04	0.7	9.10e-03	5.7	5.7	5.7	5.7	-22.9	5.6	102.9	-3522.1	-5371.7	-2935.4
4484	ok	0.04	0.5	8.86e-03	5.7	5.7	5.7	5.7	-6.0	-32.4	76.7	-3828.6	-3049.9	-1696.9
4485	ok	0.04	0.7	1.52e-02	5.7	5.7	5.7	5.7	-130.5	4.2	-12.9	-5863.0	-3357.0	-1834.5
4486	ok	0.04	1.0	1.28e-02	5.7	5.7	5.7	5.7	75.6	63.9	-72.3	-7225.0	-1456.0	6198.6
4487	ok	0.04	0.8	1.48e-02	5.7	5.7	5.7	5.7	147.2	39.4	3.3	-7083.0	-3910.8	159.7
4488	ok	0.04	1.0	1.81e-02	6.5	5.7	6.3	5.7	148.3	16.0	4.5	-5389.2	-1799.1	410.2
4489	ok	0.04	0.7	1.22e-02	5.7	5.7	5.7	5.7	36.7	78.6	-42.0	-5799.5	-1359.9	502.9
4490	ok	0.04	0.5	1.07e-02	5.7	5.7	5.7	5.7	-7.8	-99.5	42.6	-2300.2	-3006.5	-1364.1
4491	ok	0.04	1.0	1.75e-02	6.2	5.7	5.7	5.7	-221.5	32.0	48.9	-7871.5	-4919.7	-2742.7
4492	ok	0.04	0.5	1.15e-02	5.7	5.7	5.7	5.7	20.2	-13.3	26.5	-2570.6	-2881.7	1328.5
4493	ok	0.04	1.0	1.36e-02	5.7	5.7	5.7	5.7	60.7	-13.6	20.8	-6992.9	-5453.1	-1115.1
4494	ok	0.04	0.5	1.26e-02	5.7	5.7	5.7	5.7	-5.7	-110.2	41.6	-2338.6	-1845.9	591.5
4495	ok	0.04	0.9	1.49e-02	5.7	5.7	5.7	5.7	-145.8	11.2	-56.4	-2824.2	-3418.1	5543.1
4496	ok	0.04	0.8	1.19e-02	5.7	5.7	5.7	5.7	-89.0	7.8	6.8	-8578.4	-3978.5	-1774.0
4497	ok	0.04	0.5	1.14e-02	5.7	5.7	5.7	5.7	1.7	-57.5	23.4	-1257.2	-3491.6	-266.7
4498	ok	0.04	0.4	7.70e-03	5.7	5.7	5.7	5.7	-41.9	-1.5	46.9	-2661.7	-3998.4	-2187.2
4499	ok	0.04	0.5	1.12e-02	5.7	5.7	5.7	5.7	-1.0	-59.9	13.2	-1887.3	-4431.6	457.9
4500	ok	0.04	0.8	6.68e-03	5.7	5.7	5.7	5.7	64.1	19.5	-47.7	-4720.6	-4065.2	5159.0
4501	ok	0.04	0.4	9.35e-03	5.7	5.7	5.7	5.7	-12.9	-123.4	-12.5	-2999.2	-2807.5	1325.4
4502	ok	0.04	0.5	1.16e-02	5.7	5.7	5.7	5.7	-4.1	-117.5	-3.7	-3053.5	-1087.5	1810.3
4503	ok	0.04	0.8	7.77e-03	5.7	5.7	5.7	5.7	148.5	20.6	-9.1	-4596.5	-4019.4	-3188.6
4504	ok	0.04	0.4	3.59e-03	5.7	5.7	5.7	5.7	-4.3	-8.4	-16.9	-4945.5	-4602.1	415.0
4505	ok	0.04	0.9	1.42e-02	5.7	5.7	5.7	5.7	-31.9	-67.2	-92.1	853.0	6471.8	3668.7
4506	ok	0.04	0.6	4.52e-03	5.7	5.7	5.7	5.7	44.1	2.9	-8.0	-4709.5	-3688.9	1116.0
4507	ok	0.04	0.5	9.17e-03	5.7	5.7	5.7	5.7	-5.4	-51.4	-75.9	-3777.3	-2429.9	1774.4
4508	ok	0.04	0.8	9.65e-03	5.7	5.7	5.7	5.7	-12.9	74.4	-40.3	-2000.1	-6272.5	2184.2
4509	ok	0.04	1.0	9.63e-03	6.2	5.7	6.2	5.7	145.4	21.2	27.7	-8350.6	-3745.1	-4021.2
4510	ok	0.04	1.0	1.35e-02	6.5	5.7	7.5	5.7	-4.1	154.0	-14.7	-3781.3	-1.245e+04	2568.0
4511	ok	0.04	1.0	5.94e-03	6.1	5.7	5.7	5.7	94.6	-28.9	26.4	-1.262e+04	-6467.6	1169.9
4512	ok	0.04	1.0	8.32e-03	6.2	5.7	5.7	5.7	34.1	-8.2	24.4	-1.515e+04	-2267.1	-724.5
4513	ok	0.04	1.0	7.80e-03	6.3	5.7	6.9	5.7	-43.5	119.9	57.2	-457.2	-1.465e+04	-1097.6
4514	ok	0.04	0.7	1.31e-02	5.7	5.7	5.7	5.7	3.9	15.6	6.7	-3036.5	-4794.6	2920.5
4515	ok	0.04	1.0	1.79e-02	7.8	5.7	7.4	5.7	287.3	-2.3	43.5	-1.004e+04	-4836.4	-3282.4
4516	ok	0.04	0.6	1.32e-02	5.7	5.7	5.7	5.7	-0.8	-7.6	4.7	-2422.9	-2954.1	4514.1
4517	ok	0.04	0.6	1.00e-02	5.7	5.7	5.7	5.7	34.0	1.1	5.6	-3176.1	-4699.4	-777.7
4518	ok	0.04	0.8	1.21e-02	5.7	5.7	5.7	5.7	11.3	-45.4	-47.9	-4131.7	-3210.9	5429.7
4519	ok	0.04	1.0	9.82e-03	6.1	5.7	6.1	5.7	81.2	24.5	-92.1	-1831.0	-7404.5	5208.7
4520	ok	0.04	0.6	1.58e-02	5.7	5.7	5.7	5.7	-11.6	-68.8	17.1	-3484.3	1884.8	-2281.9
4521	ok	0.04	0.6	5.66e-03	5.7	5.7	5.7	5.7	102.8	20.1	-18.0	2443.4	-5092.1	-4193.6
4522	ok	0.04	0.4	1.08e-02	5.7	5.7	5.7	5.7	-13.0	-90.2	4.1	-2284.7	-2357.1	-1874.9
4523	ok	0.04	0.7	7.72e-03	5.7	5.7	5.7	5.7	65.6	-9.4	-18.4	-4938.5	-5719.0	-1052.6
4524	ok	0.04	0.3	8.12e-03	5.7	5.7	5.7	5.7	-11.8	-93.0	2.1	-2710.2	-3575.5	-1240.0
4525	ok	0.04	0.8	9.14e-03	5.7	5.7	5.7	5.7	71.2	-8.4	1.1	-4760.5	-5344.6	997.0
4526	ok	0.04	0.2	6.71e-03	5.7	5.7	5.7	5.7	-10.8	-64.7	31.7	-3779.2	-2900.6	826.3
4527	ok	0.04	0.6	1.02e-02	5.7	5.7	5.7	5.7	72.0	-4.0	10.1	-710.9	-7701.4	2891.7
4528	ok	0.04	0.6	1.07e-02	5.7	5.7	5.7	5.7	20.1	27.2	-35.7	-3823.7	-3615.9	3134.3
4529	ok	0.04	0.6	1.06e-02	5.7	5.7	5.7	5.7	-0.9	-62.3	-2.2	-3539.4	1227.3	-2822.7
4530	ok	0.04	0.2	6.81e-03	5.7	5.7	5.7	5.7	-11.6	-63.7	-33.5	-3777.9	-2916.7	-804.7
4531	ok	0.04	0.3	8.03e-03	5.7	5.7	5.7	5.7	-12.3	-91.2	-2.9	-2696.9	-3553.1	1209.8

4532	ok	0.04	0.4	1.04e-02	5.7	5.7	5.7	5.7	-5.9	-45.7	-13.8	-2016.2	-3279.4	2413.7
4533	ok	0.04	0.6	1.56e-02	5.7	5.7	5.7	5.7	-20.8	-124.7	29.3	-2827.9	6876.7	-474.1
4534	ok	0.04	0.8	1.16e-02	5.7	5.7	5.7	5.7	2.7	55.1	-3.0	-1462.4	3373.8	-4197.1
4535	ok	0.04	0.6	1.11e-02	5.7	5.7	5.7	5.7	0.3	0.6	-6.2	-2497.7	-3130.6	-4430.0
4536	ok	0.04	0.7	1.08e-02	5.7	5.7	5.7	5.7	11.9	19.3	-28.3	-3801.6	-4546.8	-2778.5
4537	ok	0.04	1.0	1.76e-02	7.8	5.7	7.7	5.7	143.8	16.9	-100.0	-8273.9	-5470.3	3084.7
4538	ok	0.04	0.6	1.03e-02	5.7	5.7	5.7	5.7	59.5	12.8	35.6	-4240.6	-3194.4	1163.1
4539	ok	0.04	1.0	1.02e-02	6.0	5.7	6.0	5.7	174.0	-9.5	52.9	-8389.3	-5218.7	-2794.4
4540	ok	0.04	0.6	5.80e-03	5.7	5.7	5.7	5.7	2.3	35.7	-63.1	-3285.5	-3772.8	3481.8
4541	ok	0.04	0.7	7.83e-03	5.7	5.7	5.7	5.7	68.0	-7.1	19.8	-4667.6	-4669.9	865.2
4542	ok	0.04	0.7	9.81e-03	5.7	5.7	5.7	5.7	71.5	-8.9	-1.4	-4781.1	-4635.4	-1181.8
4543	ok	0.04	1.0	2.06e-02	7.9	5.7	6.8	5.7	-112.1	-38.7	-53.1	-189.3	-5588.7	-2733.9
4544	ok	0.04	0.8	1.26e-02	5.7	5.7	5.7	5.7	35.3	4.6	-27.2	-5088.5	-4566.8	3331.8
4545	ok	0.04	0.9	2.03e-02	5.7	5.7	5.7	5.7	9.2	84.5	-44.1	-4678.5	-5546.1	-1125.9
4546	ok	0.04	0.8	1.43e-02	5.7	5.7	5.7	5.7	14.9	-1.0	-39.5	-6043.9	-3677.7	2553.6
4547	ok	0.04	0.6	2.07e-02	5.7	5.7	5.7	5.7	-259.7	13.2	78.3	4265.1	-2469.5	636.5
4548	ok	0.04	0.8	1.75e-02	5.7	5.7	5.7	5.7	15.8	-66.6	30.6	-3497.5	1697.7	-5354.0
4549	ok	0.04	0.8	2.02e-02	5.7	5.7	5.7	5.7	93.9	9.1	-3.2	3804.7	-5799.6	3251.7
4550	ok	0.04	0.6	1.44e-02	5.7	5.7	5.7	5.7	11.2	86.7	-33.7	-3970.0	-4406.0	2628.8
4551	ok	0.04	0.8	1.21e-02	5.7	5.7	5.7	5.7	118.6	-5.0	99.7	-7713.6	-5304.8	1380.9
4552	ok	0.04	0.4	9.28e-03	5.7	5.7	5.7	5.7	-11.7	-72.0	14.1	-3579.2	-3084.1	2505.0
4553	ok	0.04	1.0	9.85e-03	7.1	5.7	7.1	5.7	136.2	34.4	66.2	-1.270e+04	-6437.2	-2370.4
4554	ok	0.04	0.4	8.32e-03	5.7	5.7	5.7	5.7	-12.6	-57.6	12.2	-3264.6	-3381.7	1559.3
4555	ok	0.04	0.4	8.58e-03	5.7	5.7	5.7	5.7	-1.7	-54.3	7.9	-3266.5	-3699.0	-1196.4
4556	ok	0.04	0.6	8.72e-03	5.7	5.7	5.7	5.7	-1.1	-50.6	-17.9	-3236.8	-706.4	-2541.2
4557	ok	0.04	0.5	8.08e-03	5.7	5.7	5.7	5.7	4.6	19.6	3.4	-3749.7	-4847.0	2421.5
4558	ok	0.04	0.3	7.70e-03	5.7	5.7	5.7	5.7	-6.6	-58.2	3.3	-3950.6	-3370.6	996.7
4559	ok	0.04	0.4	7.97e-03	5.7	5.7	5.7	5.7	-12.5	-44.0	13.9	-3135.8	-3209.7	-1426.6
4560	ok	0.04	0.4	8.71e-03	5.7	5.7	5.7	5.7	2.6	-40.0	-2.2	-2201.2	-3311.7	-2415.5
4561	ok	0.04	0.6	1.60e-02	5.7	5.7	5.7	5.7	1.0	-48.7	-3.2	-5188.5	3037.6	-1795.4
4562	ok	0.04	0.7	1.94e-02	5.7	5.7	5.7	5.7	-13.0	-149.5	-39.1	-4935.1	-3959.7	4250.9
4563	ok	0.04	0.8	1.56e-02	5.7	5.7	5.7	5.7	30.1	59.7	79.7	-5556.8	-3930.1	-2855.8
4564	ok	0.04	0.9	1.50e-02	5.7	5.7	5.7	5.7	43.4	-3.7	26.8	-5869.0	-4345.6	-3593.5
4565	ok	0.04	0.9	2.05e-02	5.7	5.7	5.7	5.7	166.6	-8.6	84.8	-7525.3	-3393.8	1205.0
4566	ok	0.04	0.7	2.07e-02	5.7	5.7	5.7	5.7	-57.0	24.7	-37.5	2009.0	-2794.9	4097.7
4567	ok	0.04	0.9	2.07e-02	5.7	5.7	5.7	5.7	187.4	23.2	59.7	-4285.8	-4919.5	-3098.8
4568	ok	0.04	0.8	1.28e-02	5.7	5.7	5.7	5.7	116.0	3.5	-56.5	-7527.7	-3614.5	-1439.8
4569	ok	0.04	1.0	1.27e-02	7.3	5.7	6.8	5.7	21.9	-3.3	-22.3	-5170.8	-6209.4	2432.1
4570	NV	0.05	1.0	2.60e-02	14.1	8.2	11.9	9.6	-67.5	-144.2	-66.1	-2.597e+04	-2.405e+04	8740.0
4571	ok	0.05	1.0	2.71e-02	13.2	7.3	10.0	10.7	-56.5	-137.3	70.7	-2.475e+04	-2.763e+04	-5374.0
4572	ok	0.04	0.9	1.84e-02	5.7	5.7	5.7	5.7	44.2	-57.6	-34.8	-5309.3	-4566.7	3852.9
4573	ok	0.04	1.0	3.24e-02	9.3	5.7	9.3	5.7	-88.2	-62.1	-66.7	-1295.1	-3211.1	7026.6
4574	ok	0.04	1.0	1.48e-02	5.9	5.7	5.8	5.7	-13.5	-52.0	-17.8	-1.182e+04	-8882.9	-477.5
4575	ok	0.04	0.9	1.76e-02	5.7	5.7	5.7	5.7	47.2	10.5	-14.5	-4552.9	-5997.6	-1590.7
4576	ok	0.04	1.0	2.98e-02	9.2	5.7	9.2	5.7	104.4	102.8	-120.9	-2845.3	-5784.9	4847.6
4577	ok	0.04	1.0	1.76e-02	5.7	5.7	5.7	5.7	-81.3	-69.9	-46.7	-1.185e+04	-8408.8	-2228.8
4578	ok	0.04	1.0	2.03e-02	7.4	5.7	6.5	5.7	-26.5	60.0	-15.6	-5746.1	-7522.1	2959.2
4579	ok	0.04	1.0	2.02e-02	7.0	5.7	6.3	5.7	18.6	215.2	-49.5	-5958.1	-7605.5	-2349.8
4580	ok	0.04	0.4	1.72e-02	5.7	5.7	5.7	5.7	-9.1	-136.1	33.2	-2359.7	-962.7	-3825.1
4581	ok	0.04	0.5	1.71e-02	5.7	5.7	5.7	5.7	-8.1	-152.9	1.3	-3181.7	-3496.9	-3332.1
4582	ok	0.04	1.0	2.02e-02	6.0	5.7	6.0	5.7	93.7	21.2	-16.4	-8917.6	-7627.2	-3801.8
4583	ok	0.04	0.4	9.51e-03	5.7	5.7	5.7	5.7	13.9	-10.3	1.9	-1396.0	-2989.5	-1898.4
4584	ok	0.04	0.7	1.16e-02	5.7	5.7	5.7	5.7	1.5	102.3	-7.4	-1799.9	-7132.2	-1395.4
4585	ok	0.04	1.0	1.99e-02	6.1	5.7	6.1	5.7	-78.7	119.3	-42.9	4393.2	-1.207e+04	-205.5
4586	ok	0.04	0.3	1.57e-02	5.7	5.7	5.7	5.7	1.8	-85.9	6.0	-2142.5	-612.9	-2706.9
4587	ok	0.04	0.9	2.06e-02	5.7	5.7	5.7	5.7	-0.7	-278.1	-13.5	5742.6	8085.4	1786.4
4588	ok	0.04	0.6	8.54e-03	5.7	5.7	5.7	5.7	10.8	-51.7	-48.6	-1729.4	1805.0	3373.2
4589	ok	0.04	0.8	8.81e-03	5.7	5.7	5.7	5.7	-87.5	-54.5	24.7	-6721.0	-8091.3	-2686.1
4590	ok	0.04	0.7	1.04e-02	5.7	5.7	5.7	5.7	-7.2	48.3	17.5	-2756.6	-6360.8	-3389.1
4591	ok	0.04	0.7	1.07e-02	5.7	5.7	5.7	5.7	4.8	-63.8	17.6	-4355.3	2140.4	2253.6
4592	ok	0.04	1.0	1.70e-02	8.1	8.3	8.1	6.5	-154.4	2.1	-40.5	-2.059e+04	-1.375e+04	5348.5
4593	ok	0.04	0.9	1.01e-02	5.7	5.7	5.7	5.7	-99.6	-59.5	8.1	-7972.9	-4062.6	3079.8
4594	ok	0.04	1.0	1.90e-02	8.2	8.1	8.2	6.8	-152.8	-2.9	45.7	-2.116e+04	-1.411e+04	-5657.7
4595	ok	0.04	0.7	1.31e-02	5.7	5.7	5.7	5.7	-21.4	-30.5	-15.9	-3558.8	8545.0	-205.9
4596	ok	0.04	1.0	1.94e-02	6.2	5.7	6.2	5.7	46.3	29.1	71.0	-8916.3	-4692.4	-6411.8
4597	ok	0.04	1.0	1.87e-02	6.0	5.7	6.0	5.7	-177.3	-3.5	-79.1	-1.268e+04	-4086.6	5693.3
4598	ok	0.04	1.0	7.42e-03	5.8	5.7	5.8	5.7	14.0	-36.5	-6.0	-1.233e+04	-1.120e+04	228.6
4599	ok	0.05	1.0	1.33e-02	14.9	7.8	15.7	7.8	86.4	144.6	73.6	-2.186e+04	-2.298e+04	-1.236e+04
4600	ok	0.09	1.0	1.90e-02	42.6	25.4	42.1	38.7	-96.4	-93.8	44.1	-2.239e+04	-1.099e+05	-8800.2
4601	ok	0.04	1.0	6.90e-03	7.4	5.7	6.5	5.7	23.5	37.4	1.1	-1.563e+04	-1.321e+04	-910.0
4602	ok	0.04	0.9	1.85e-02	5.7	5.7	5.7	5.7	3.1	-47.3	16.9	-4555.7	4676.6	-3350.8
4603	ok	0.04	0.9	1.80e-02	5.7	5.7	5.7	5.7	5.4	-49.8	-12.4	-5235.4	4560.8	3282.3
4604	ok	0.04	0.3	1.12e-02	5.7	5.7	5.7	5.7	-8.3	-83.7	-29.6	-1420.1	2109.4	3103.7
4605	ok	0.04	0.7	7.85e-03	5.7	5.7	5.7	5.7	-9.5	39.6	27.0	-2765.4	-6327.9	-3151.1
4606	ok	0.04	1.0	1.25e-02	5.7	5.7	5.7	5.7	-19.9	-144.0	54.9	76.3	8063.7	-678.5
4607	ok	0.04	0.4	1.26e-02	5.7	5.7	5.7	5.7	-13.4	-113.9	21.4	-1836.1	1035.2	1632.3
4608	ok	0.04	0.9	2.20e-02	5.7	5.7	5.7	5.7	-104.7	-196.0	57.2	-2324.8	6793.8	4441.3

4609	ok	0.04	0.4	8.11e-03	5.7	5.7	5.7	5.7	-4.2	-7.1	-24.8	-1296.6	-4317.8	109.7
4610	ok	0.04	0.8	2.43e-02	5.7	5.7	5.7	5.7	-47.3	-142.4	-45.6	5262.5	6692.9	4760.1
4611	ok	0.04	0.5	1.15e-02	5.7	5.7	5.7	5.7	8.3	-43.8	-43.1	-2527.9	-1558.6	3048.1
4612	ok	0.04	0.5	1.61e-02	5.7	5.7	5.7	5.7	-8.1	-154.0	-0.8	-3145.9	-4369.3	-2280.8
4613	ok	0.04	0.5	9.57e-03	5.7	5.7	5.7	5.7	-10.8	-61.9	38.4	-3444.6	-3823.1	-1227.6
4614	ok	0.04	0.4	1.65e-02	5.7	5.7	5.7	5.7	-14.5	-156.2	-12.2	-3603.6	-3859.6	775.7
4615	ok	0.04	1.0	3.34e-02	6.4	5.7	6.4	5.7	23.3	-51.6	13.7	-6400.4	-4296.7	-2807.9
4616	ok	0.04	0.3	6.44e-03	5.7	5.7	5.7	5.7	-5.9	-46.0	-25.5	-1532.3	-3639.1	-955.1
4617	ok	0.04	0.5	1.66e-02	5.7	5.7	5.7	5.7	-7.3	-185.4	-3.8	-3347.0	-4237.2	2086.9
4618	ok	0.04	0.9	1.32e-02	5.7	5.7	5.7	5.7	-1.2	51.1	62.9	-2637.7	-2752.9	-4585.5
4619	ok	0.04	0.7	1.33e-02	5.7	5.7	5.7	5.7	4.2	79.5	-48.6	-2541.0	-3001.7	4460.9
4620	ok	0.04	0.5	1.72e-02	5.7	5.7	5.7	5.7	-8.8	-157.6	17.4	-2772.4	-4179.8	-922.0
4621	ok	0.04	0.3	5.81e-03	5.7	5.7	5.7	5.7	-10.1	-68.0	13.6	-4160.2	1683.0	-2338.7
4622	ok	0.04	1.0	2.58e-02	5.8	5.7	6.6	5.7	-35.3	-81.3	-14.1	-3924.6	-7320.4	4916.0
4623	ok	0.04	0.9	2.28e-02	5.7	5.7	5.7	5.7	28.0	198.5	-5.2	-4603.7	-4165.0	4070.5
4624	ok	0.04	1.0	3.13e-02	6.3	5.7	6.3	5.7	-3.4	-131.7	-31.8	-5387.5	-5247.2	2345.3
4625	ok	0.04	1.0	1.19e-02	5.7	5.7	5.7	5.7	-4.7	26.9	0.9	-6405.4	-6083.9	-4428.4
4626	ok	0.04	0.4	4.38e-03	5.7	5.7	5.7	5.7	12.8	25.8	-12.7	-372.6	-3862.1	1135.1
4627	ok	0.04	0.8	1.10e-02	5.7	5.7	5.7	5.7	30.0	-98.7	38.9	-7502.5	3311.7	-4630.9
4628	ok	0.04	0.6	1.24e-02	5.7	5.7	5.7	5.7	4.3	-76.9	-65.2	-3562.5	2916.0	5025.6
4629	ok	0.04	0.6	1.20e-02	5.7	5.7	5.7	5.7	4.9	-9.6	29.4	-3638.9	2850.9	-4912.3
4630	ok	0.04	0.9	1.40e-02	5.7	5.7	5.7	5.7	6.3	25.9	24.9	-2756.3	-3700.1	-5212.6
4631	ok	0.04	1.0	1.88e-02	6.2	5.7	6.2	5.7	-118.3	-28.6	-1.9	-7262.7	-1433.5	-3871.8
4632	ok	0.04	1.0	1.80e-02	6.5	5.7	6.5	5.7	37.2	107.0	30.5	-2592.1	-4698.7	-6307.4
4633	ok	0.04	0.3	7.81e-03	5.7	5.7	5.7	5.7	-6.8	-12.4	19.1	-1781.4	-3095.2	-1532.2
4634	ok	0.04	0.3	8.04e-03	5.7	5.7	5.7	5.7	9.08e-02	-58.0	23.3	-2296.9	-1765.1	1510.3
4635	ok	0.04	0.6	9.75e-03	5.7	5.7	5.7	5.7	9.6	-39.1	9.1	-64.6	6595.8	-319.2
4636	ok	0.04	0.7	1.34e-02	5.7	5.7	5.7	5.7	4.3	116.6	-47.1	-1646.5	-3131.0	3204.8
4637	ok	0.04	0.7	1.15e-02	5.7	5.7	5.7	5.7	-2.9	5.1	5.4	-1674.4	-4603.1	-644.1
4638	ok	0.04	0.6	1.99e-02	5.7	5.7	5.7	5.7	2.1	-133.3	-22.8	-2544.5	-2061.9	3681.3
4639	ok	0.04	0.8	1.16e-02	5.7	5.7	5.7	5.7	10.5	42.1	32.0	-3298.0	-3265.0	-2806.7
4640	ok	0.04	1.0	1.38e-02	6.0	5.7	6.0	5.7	14.5	30.2	1.2	-9315.3	-4568.8	-2826.1
4641	ok	0.04	0.6	1.00e-02	5.7	5.7	5.7	5.7	7.6	-68.8	-20.9	-5.0	8041.6	-1721.2
4642	ok	0.04	1.0	1.07e-02	6.0	5.7	5.8	5.7	-94.1	-5.6	-21.5	-1.156e+04	-1.011e+04	-1671.1
4643	ok	0.04	1.0	9.36e-03	6.5	5.7	6.2	5.7	14.9	-23.0	-14.4	-1.532e+04	-1.270e+04	493.6
4644	ok	0.04	0.5	1.75e-02	5.7	5.7	5.7	5.7	-5.3	-236.4	-9.9	-4845.6	800.7	3984.4
4645	ok	0.04	0.9	2.48e-02	5.7	5.7	5.7	5.7	1.3	-80.1	11.3	-3975.8	4195.6	-3941.4
4646	ok	0.04	0.4	7.11e-03	5.7	5.7	5.7	5.7	-0.3	6.2	4.9	-1108.6	-3532.5	765.6
4647	ok	0.04	0.8	2.20e-02	5.7	5.7	5.7	5.7	-7.0	-158.1	-80.9	-569.8	1105.3	5216.7
4648	ok	0.04	0.9	9.58e-03	5.7	5.7	5.7	5.7	51.3	-55.7	50.7	-7352.9	1229.7	-7483.8
4649	ok	0.04	0.9	9.60e-03	5.7	5.7	5.7	5.7	78.8	-36.8	-62.6	-8970.8	3146.3	3920.7
4650	ok	0.04	1.0	9.35e-03	5.9	5.7	5.9	5.7	5.9	-51.1	-7.0	-8741.1	4727.7	-551.8
4651	ok	0.04	0.5	9.93e-03	5.7	5.7	5.7	5.7	-89.5	3.4	-15.9	4101.3	6521.2	-334.6
4652	ok	0.04	0.5	1.79e-02	5.7	5.7	5.7	5.7	8.4	-130.3	-20.0	-4275.8	-4260.1	2482.0
4653	ok	0.04	0.6	1.80e-02	5.7	5.7	5.7	5.7	8.8	-94.8	45.2	1556.0	4194.8	-2413.1

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
	0.14	0.99	0.05	90.73	67.72	71.08	58.35	-421.14 399.26	-625.46 482.95	-173.44 164.32	-1.730e+05 2.239e+04	-1.099e+05 2.595e+04	-5.920e+04 4.053e+04

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
1	ok	2.98						
4	ok Av	4.05	0.11	0.13	3.1	3.7	209.4	245.0
10	ok Av	4.90	0.17	0.11	4.9	3.1	326.0	205.6
14	ok Av	6.77	0.26	0.23	7.5	6.8	498.6	453.1
18	ok Av	3.75	0.11	0.13	3.1	3.8	209.3	256.4
22	ok	3.08						
26	ok	1.62						
30	ok	2.07						
34	ok	3.03						
38	ok Av	4.76	0.17	0.10	4.8	3.0	321.4	202.3
42	ok	3.39						
46	ok	2.06						
50	ok	1.60						
54	ok	1.32						
58	ok	1.65						
62	ok	2.37						
66	ok Av	3.59	7.96e-03	0.14	0.2	4.1	15.4	271.6
70	ok	3.18						
74	ok Av	3.92	0.02	0.15	0.6	4.4	37.7	296.3
77	ok Av	4.21	6.89e-03	0.16	0.2	4.8	13.3	319.0
80	ok	2.81						
86	ok	3.41						
90	ok	1.49						

94	ok	1.93						
98	ok	3.26						
102	ok	1.26						
106	ok	1.03						
110	ok	1.25						
114	ok	1.60						
118	ok	2.26						
122	ok	2.74						
126	ok Av	3.78	0.05	0.14	1.4	4.1	90.8	271.9
130	ok Av	4.65	0.10	0.17	2.8	5.0	188.9	334.8
134	ok	1.84						
138	ok	0.96						
142	ok	0.51						
146	ok	0.50						
150	ok	0.78						
154	ok	1.75						
158	ok Av	7.66	0.24	0.20	7.1	5.7	472.1	379.6
162	ok Av	4.05	0.11	0.12	3.3	3.4	217.9	226.1
166	ok Av	5.27	0.21	0.02	6.0	0.5	399.4	33.8
170	ok	2.96						
174	ok	1.92						
178	ok	1.27						
182	ok	0.52						
186	ok	0.49						
190	ok	0.14						
194	ok	0.51						
198	ok	0.64						
202	ok	1.14						
206	ok	1.96						
210	ok Av	5.07	0.19	0.05	5.7	1.3	377.4	88.0
214	ok Av	3.89	0.11	0.13	3.2	3.8	213.8	255.1
218	ok Av	4.93	0.19	0.04	5.5	1.2	368.3	79.6
222	ok	2.00						
226	ok	1.14						
230	ok	0.64						
234	ok	0.51						
238	ok	0.14						
242	ok	0.48						
246	ok	0.52						
250	ok	1.25						
254	ok	1.92						
258	ok	2.87						
262	ok Av	5.41	0.21	0.02	6.1	0.6	409.2	41.9
266	ok Av	3.90	0.11	0.12	3.1	3.4	205.6	225.3
270	ok Av	3.53	0.12	0.07	3.5	1.9	234.0	130.1
274	ok	2.18						
278	ok	0.80						
282	ok	0.52						
286	ok	0.49						
290	ok	1.26						
294	ok	1.60						
298	ok	1.61						
302	ok	2.02						
306	ok	1.91						
310	ok	2.39						
314	ok	3.36						
318	ok Av	4.42	0.07	0.16	2.0	4.6	132.8	307.6
322	ok	2.92						
326	ok Av	4.02	0.03	0.16	0.8	4.5	50.6	301.3
330	ok	2.05						
334	ok	1.48						
337	ok	1.01						
340	ok	1.95						
346	ok	3.07						
350	ok	0.0						
354	ok	0.0						
358	ok	0.0						
362	ok	0.0						
366	ok	0.0						
370	ok	0.0						
374	ok	0.0						
378	ok Av	3.65	0.06	0.13	1.8	3.8	117.3	250.4
382	ok	2.04						
386	ok	0.94						
390	ok	1.04						
394	ok	1.33						
398	ok	1.81						

402	ok	3.34						
406	ok Av	4.05	0.13	0.15	3.8	4.4	252.3	290.6
410	ok Av	5.26	0.21	0.03	6.0	0.9	398.4	62.8
414	ok Av	3.55	0.04	0.14	1.1	4.0	72.9	264.5
418	ok	2.02						
422	ok	1.06						
426	ok	0.54						
430	ok	0.45						
434	ok	0.36						
438	ok	0.49						
442	ok	0.81						
446	ok	1.26						
450	ok	2.30						
454	ok	2.55						
458	ok Av	4.27	0.17	0.02	4.8	0.7	320.5	47.2
462	ok Av	5.44	0.17	0.17	5.1	5.0	338.2	331.2
466	ok Av	3.76	0.12	0.08	3.5	2.5	233.9	163.5
470	ok	1.18						
474	ok	0.70						
478	ok	0.39						
482	ok	0.35						
486	ok	0.49						
490	ok	0.62						
494	ok	1.26						
498	ok	1.81						
502	ok	3.19						
506	ok Av	4.62	0.18	0.02	5.2	0.7	348.8	44.6
510	ok Av	5.45	0.12	0.18	3.5	5.1	231.2	342.3
514	ok Av	3.77	0.13	0.06	3.8	1.9	256.7	125.6
518	ok	2.04						
522	ok	1.18						
526	ok	1.43						
530	ok	1.06						
534	ok	1.28						
538	ok	2.30						
542	ok	0.0						
546	ok	0.0						
550	ok	0.0						
554	ok	0.0						
558	ok	0.0						
562	ok	0.0						
566	ok	0.0						
570	ok	2.96						
574	ok	1.93						
578	ok	1.00						
582	ok	2.38						
586	ok	3.49						
590	ok Av	3.58	0.13	0.13	3.8	3.7	253.2	249.2
594	ok	1.88						
598	ok	1.53						
602	ok	2.12						
606	ok Av	4.66	0.03	0.18	0.9	5.2	63.1	347.8
610	ok	2.91						
614	ok Av	4.46	0.07	0.16	2.0	4.7	130.9	311.8
618	ok	1.99						
622	ok	1.53						
626	ok Av	3.54	0.05	0.13	1.4	3.8	90.8	252.8
630	ok	2.73						
634	ok Av	4.53	0.03	0.18	0.8	5.1	50.2	343.5
638	ok	1.60						
642	ok	1.22						
646	ok	1.04						
650	ok	1.59						
654	ok Av	4.43	0.02	0.17	0.4	5.0	29.2	336.0
658	ok	2.81						
662	ok Av	3.94	0.01	0.15	0.3	4.5	23.1	297.8
666	ok	2.27						
670	ok	1.50						
674	ok	1.16						
678	ok	1.53						
682	ok	1.97						
686	ok	3.19						
690	ok Av	4.86	0.18	0.07	5.1	2.1	341.1	141.0
694	ok	2.81						
698	ok	2.65						
702	ok	1.76						
706	ok	3.10						

710	ok Av	3.88	0.11	0.14	3.2	4.1	210.6	276.7
714	ok Av	6.82	0.26	0.23	7.5	6.7	502.2	444.4
718	ok Av	5.06	0.17	0.11	5.0	3.1	335.9	209.1
722	ok Av	3.85	0.11	0.10	3.3	2.9	219.3	193.0
726	ok	2.41						
730	ok	1.76						
734	ok	1.56						
738	ok	0.78						
742	ok	0.50						
746	ok	0.77						
750	ok	0.80						
753	ok	2.14						
756	ok	1.24						
762	ok	0.91						
765	ok	1.00						
768	ok	2.27						
774	ok	3.41						
777	ok	0.87						
780	ok	0.49						
786	ok	0.63						
789	ok Av	6.00	0.23	0.03	6.8	0.9	451.4	60.7
792	ok	2.68						
798	ok	0.96						
802	ok	0.71						
806	ok	0.73						
810	ok	1.13						
814	ok	2.78						
818	ok	0.73						
822	ok	1.40						
826	ok	1.97						
830	ok	3.15						
834	ok	2.78						
838	ok	3.27						
842	ok	2.05						
846	ok	1.06						
850	ok	0.49						
854	ok	0.34						
858	ok	0.36						
862	ok	0.59						
866	ok	2.06						
870	ok	2.91						
874	ok	2.84						
878	ok	2.90						
882	ok	1.87						
886	ok Av	3.56	0.13	0.11	3.8	3.2	254.9	210.6
890	ok Av	3.61	0.02	0.14	0.7	4.0	44.3	270.2
894	ok	2.35						
3593	ok	0.0						
3601	ok	0.0						
3977	ok	3.01						
4153	ok Av	5.97	0.20	0.19	5.9	5.6	393.4	375.2
4154	ok Av	6.92	0.25	0.22	7.1	6.4	476.6	430.2
4155	ok Av	10.40	0.33	0.29	9.7	8.5	647.2	567.2
4156	ok Av	9.62	0.33	0.30	9.6	8.8	639.9	587.5
4157	ok Av	13.37	0.40	0.34	11.5	9.9	770.1	663.5
4158	ok Av	13.56	0.53	0.40	15.4	11.7	1028.1	778.4
4159	ok Av	11.99	0.43	0.36	12.6	10.3	838.1	689.0
4160	ok Av	11.20	0.38	0.35	11.0	10.0	737.2	668.5
4161	ok Av	9.81	0.33	0.32	9.6	9.3	637.5	623.8
4162	ok Av	10.91	0.32	0.33	9.3	9.7	620.4	647.5
4163	ok Av	8.90	0.33	0.32	9.6	9.3	639.4	619.3
4164	ok Av	10.44	0.26	0.35	7.5	10.3	500.5	684.7
4165	ok Av	10.49	0.37	0.32	10.7	9.2	714.6	617.3
4166	ok	0.0						
4167	ok	0.0						
4168	ok Av	7.94	0.25	0.24	7.2	7.0	477.6	464.4
4169	ok Av	9.37	0.28	0.26	8.0	7.5	536.3	501.4
4170	ok Av	15.51	0.52	0.46	15.2	13.3	1013.5	889.7
4171	ok Av	11.84	0.33	0.41	9.7	12.0	644.5	799.3
4172	ok Av	14.11	0.45	0.55	13.0	15.9	870.3	1058.6
4173	ok Av	10.86	0.32	0.39	9.4	11.3	625.2	752.3
4174	ok Av	8.51	0.24	0.31	7.0	8.9	468.9	594.4
4175	ok Av	13.33	0.44	0.43	12.8	12.5	856.1	835.5
4176	ok Av	14.85	0.51	0.41	14.7	11.8	983.5	790.4
4177	ok Av	9.41	0.32	0.32	9.2	9.3	616.1	623.1
4178	ok Av	13.60	0.46	0.50	13.3	14.6	884.6	972.0
4179	ok Av	12.09	0.39	0.42	11.2	12.2	745.7	816.3

4180	ok	0.0						
4181	ok Av	10.13	0.34	0.33	9.8	9.6	656.0	640.9
4182	ok Av	14.65	0.48	0.48	13.8	14.0	922.1	935.3
4183	ok Av	10.86	0.32	0.39	9.3	11.4	618.6	758.6
4184	ok Av	9.22	0.30	0.25	8.6	7.3	571.6	487.0
4185	ok	0.0						
4186	ok Av	10.27	0.25	0.35	7.4	10.1	492.2	671.1
4187	ok Av	9.37	0.28	0.26	8.2	7.4	548.7	493.9
4188	ok Av	14.07	0.40	0.38	11.7	11.0	782.6	731.0
4189	ok Av	10.72	0.31	0.33	9.1	9.6	608.8	640.3
4190	ok Av	10.71	0.36	0.36	10.5	10.5	698.1	699.1
4191	ok Av	9.62	0.32	0.31	9.4	9.1	625.5	608.6
4192	ok Av	12.58	0.38	0.34	10.9	9.9	729.7	657.7
4193	ok Av	9.40	0.32	0.29	9.3	8.6	619.7	570.8
4194	ok Av	13.14	0.39	0.35	11.3	10.2	754.9	681.8
4195	ok Av	9.52	0.34	0.30	9.8	8.6	655.6	576.0
4196	ok Av	9.37	0.27	0.31	8.0	9.0	530.8	603.2
4197	ok Av	9.89	0.30	0.29	8.7	8.5	579.8	568.2
4198	ok Av	6.87	0.24	0.22	7.1	6.3	473.3	417.5
4199	ok Av	5.75	0.20	0.18	5.8	5.3	388.2	353.9
4200	ok Av	9.82	0.37	0.32	10.6	9.2	707.7	612.3
4201	ok Av	7.67	0.25	0.28	7.4	8.1	493.1	537.9
4202	ok Av	9.12	0.36	0.27	10.3	8.0	690.7	532.1
4203	ok	1.27						
4205	ok Av	7.16	0.28	0.19	8.1	5.6	540.1	376.1
4206	ok Av	5.37	0.21	0.05	6.0	1.5	401.6	101.2
4207	ok	1.32						
4208	ok Av	6.84	0.26	0.14	7.6	4.0	509.2	266.4
4209	ok Av	6.75	0.26	0.05	7.6	1.6	508.2	103.9
4210	ok	3.23						
4211	ok Av	5.30	0.21	0.09	6.0	2.6	400.1	171.2
4212	ok	2.79						
4213	ok	2.87						
4214	ok	0.0						
4215	ok	0.0						
4220	ok Av	4.66	0.18	0.03	5.3	0.7	352.9	49.5
4222	ok	3.51						
4223	ok Av	4.29	0.16	0.04	4.7	1.3	313.5	86.6
4224	ok	0.0						
4225	ok	0.0						
4226	ok	0.0						
4227	ok Av	5.02	0.18	0.10	5.2	2.8	348.9	188.3
4228	ok	1.93						
4229	ok	1.82						
4230	ok Av	3.99	0.14	0.06	4.2	1.7	279.8	114.4
4231	ok Av	4.97	0.18	0.10	5.2	2.8	347.7	184.7
4232	ok	2.34						
4233	ok	0.94						
4234	ok	3.43						
4235	ok Av	4.88	0.18	0.06	5.3	1.8	355.9	121.9
4236	ok	2.90						
4237	ok	1.21						
4238	ok Av	3.69	0.14	0.04	4.1	1.3	274.7	84.9
4239	ok	3.06						
4240	ok	2.82						
4241	ok	1.17						
4242	ok	3.03						
4243	ok	3.06						
4244	ok	3.28						
4245	ok	0.90						
4246	ok	2.22						
4247	ok Av	4.54	0.17	0.06	4.9	1.7	328.7	112.3
4248	ok Av	3.84	0.15	0.04	4.3	1.2	288.6	77.4
4249	ok	1.34						
4250	ok	2.13						
4251	ok Av	4.48	0.17	0.07	5.0	2.1	330.6	141.3
4252	ok Av	3.94	0.05	0.15	1.6	4.3	103.6	288.4
4253	ok	1.94						
4254	ok	2.38						
4255	ok	2.59						
4256	ok	1.49						
4257	ok	1.68						
4258	ok	3.17						
4259	ok Av	5.24	0.08	0.19	2.4	5.5	157.1	366.1
4260	ok	2.11						
4261	ok	1.30						
4262	ok	1.06						

4263	ok	1.63						
4264	ok	2.65						
4265	ok	3.19						
4266	ok	1.42						
4267	ok	0.91						
4268	ok	0.98						
4269	ok	1.58						
4270	ok Av	6.02	0.08	0.23	2.4	6.6	160.8	437.2
4271	ok	3.05						
4272	ok	1.55						
4273	ok	1.18						
4274	ok	2.37						
4275	ok	2.81						
4276	ok	1.97						
4277	ok Av	3.84	0.07	0.14	2.1	4.1	138.7	275.3
4278	ok Av	4.31	0.16	0.07	4.8	2.2	317.4	144.4
4279	ok	2.12						
4280	ok	1.41						
4281	ok Av	4.31	0.17	0.04	4.9	1.2	325.2	79.8
4282	ok Av	4.31	0.16	0.07	4.5	1.9	301.2	127.6
4283	ok	2.08						
4284	ok	0.93						
4285	ok	3.28						
4286	ok	2.94						
4287	ok	3.01						
4288	ok	1.20						
4289	ok	2.66						
4290	ok	2.93						
4291	ok Av	3.75	0.14	0.04	4.2	1.2	279.1	83.2
4292	ok	1.30						
4293	ok	2.83						
4294	ok Av	4.84	0.18	0.06	5.3	1.8	353.3	121.5
4295	ok	3.33						
4296	ok	0.92						
4297	ok	2.34						
4298	ok Av	4.86	0.18	0.09	5.1	2.7	340.9	182.3
4299	ok Av	3.98	0.14	0.06	4.2	1.7	279.9	112.9
4300	ok	1.85						
4301	ok	1.83						
4302	ok Av	4.98	0.18	0.09	5.2	2.6	345.2	173.7
4303	ok	0.0						
4304	ok	0.0						
4305	ok	0.0						
4306	ok Av	4.18	0.16	0.04	4.6	1.3	305.3	85.4
4307	ok Av	3.56	0.12	0.08	3.4	2.3	224.4	153.1
4309	ok	0.92						
4311	ok	3.41						
4312	ok	0.0						
4313	ok Av	4.15	0.08	0.14	2.4	4.1	159.1	271.5
4314	ok	2.45						
4315	ok Av	4.58	0.05	0.18	1.4	5.2	93.2	344.4
4316	ok Av	5.13	0.06	0.20	1.7	5.8	114.3	389.0
4317	ok	3.49						
4318	ok	2.01						
4319	ok	0.90						
4320	ok	1.70						
4321	ok Av	10.81	0.25	0.34	7.2	9.9	483.5	662.7
4322	ok	3.04						
4323	ok	2.12						
4324	ok	1.00						
4325	ok	1.60						
4326	ok	3.12						
4327	ok Av	7.43	0.16	0.26	4.5	7.5	300.5	498.4
4328	ok Av	4.82	0.06	0.19	1.7	5.4	112.2	362.9
4329	ok	2.21						
4330	ok Av	4.03	0.07	0.14	2.0	4.1	132.0	275.1
4331	ok Av	4.36	0.17	0.05	4.8	1.4	320.8	92.2
4332	ok	2.81						
4333	ok Av	6.55	0.25	0.07	7.3	1.9	490.3	126.3
4334	ok Av	5.77	0.17	0.17	4.8	4.8	321.1	319.7
4335	ok	1.36						
4336	ok	1.75						
4337	ok Av	4.89	0.19	0.05	5.4	1.4	360.1	90.3
4338	ok Av	6.56	0.25	0.11	7.2	3.2	479.1	211.4
4339	ok Av	3.53	0.14	5.05e-03	4.0	0.1	267.6	9.8
4340	ok	1.32						
4341	ok Av	3.93	0.15	0.03	4.4	1.0	290.3	66.6

4342	ok Av	5.97	0.22	0.07	6.5	2.1	431.2	136.9
4343	ok	2.73						
4344	ok	2.96						
4345	ok Av	4.85	0.04	0.19	1.1	5.5	74.0	365.7
4346	ok Av	5.62	0.03	0.22	0.7	6.4	49.3	426.2
4347	ok	2.93						
4348	ok	1.42						
4349	ok	0.84						
4350	ok	1.47						
4351	ok	3.17						
4352	ok	2.57						
4353	ok	3.19						
4354	ok	1.49						
4355	ok	0.85						
4356	ok	1.39						
4357	ok	2.89						
4358	ok Av	5.70	0.03	0.22	0.8	6.5	54.1	432.2
4359	ok Av	4.87	0.04	0.19	1.1	5.5	73.9	366.8
4360	ok	3.01						
4361	ok	2.69						
4362	ok Av	6.33	0.24	0.07	6.9	2.1	458.9	138.9
4363	ok Av	3.73	0.14	0.04	4.0	1.3	269.4	86.0
4364	ok	1.31						
4365	ok	3.10						
4366	ok Av	6.18	0.23	0.11	6.7	3.1	447.1	205.8
4367	ok Av	4.07	0.15	0.06	4.3	1.8	284.1	120.3
4368	ok	1.55						
4369	ok	1.37						
4370	ok	3.32						
4371	ok Av	8.83	0.33	0.13	9.6	3.9	642.9	260.8
4372	ok Av	3.68	0.05	0.14	1.4	3.9	90.7	263.5
4373	ok	2.12						
4374	ok Av	3.77	0.02	0.15	0.5	4.3	30.2	284.2
4375	ok	3.06						
4376	ok Av	3.90	0.05	0.14	1.4	4.2	95.2	279.5
4377	ok	1.32						
4378	ok	0.61						
4379	ok	0.95						
4380	ok Av	3.57	0.01	0.14	0.3	4.0	21.5	269.6
4381	ok	2.94						
4382	ok	3.36						
4383	ok	1.02						
4384	ok	0.48						
4385	ok	1.05						
4386	ok Av	3.69	0.04	0.14	1.3	4.0	84.5	266.5
4387	ok Av	4.07	0.08	0.16	2.3	4.5	152.4	300.2
4388	ok Av	3.78	0.01	0.15	0.3	4.3	23.3	285.4
4389	ok	1.99						
4390	ok	2.54						
4391	ok	2.80						
4392	ok	2.12						
4393	ok Av	4.55	0.18	0.03	5.1	1.0	341.2	67.1
4394	ok	2.83						
4395	ok Av	4.48	0.17	0.04	5.1	1.0	338.1	67.8
4396	ok	2.60						
4397	ok	2.51						
4398	ok	2.58						
4399	ok Av	4.72	0.04	0.18	1.3	5.3	83.6	356.4
4400	ok Av	5.05	0.04	0.20	1.2	5.7	79.0	382.6
4401	ok Av	3.72	0.05	0.14	1.4	4.0	94.9	266.8
4402	ok	1.41						
4403	ok	0.68						
4404	ok	1.37						
4405	ok Av	3.61	0.05	0.13	1.3	3.9	89.4	259.5
4406	ok	2.33						
4407	ok Av	3.66	0.04	0.14	1.3	4.0	84.2	265.3
4408	ok	1.40						
4409	ok	0.65						
4410	ok	1.44						
4411	ok Av	3.93	0.05	0.15	1.5	4.2	97.7	282.3
4412	ok Av	4.88	0.04	0.19	1.2	5.5	81.3	370.0
4413	ok Av	4.88	0.05	0.19	1.3	5.5	89.2	368.3
4414	ok	2.71						
4415	ok	2.42						
4416	ok	2.34						
4417	ok Av	3.81	0.15	0.05	4.3	1.3	285.0	89.2
4418	ok	3.33						

4419	ok Av	4.14	0.16	0.05	4.5	1.3	301.8	88.1
4420	ok	1.90						
4421	ok	2.77						
4422	ok	3.08						
4423	ok	1.86						
4424	ok Av	3.55	6.50e-03	0.14	0.2	4.0	12.6	268.9
4425	ok Av	5.49	0.07	0.20	2.1	5.9	139.4	392.7
4426	ok Av	4.06	0.03	0.16	1.0	4.5	66.2	300.8
4427	ok	1.67						
4428	ok	0.88						
4429	ok	1.15						
4430	ok Av	3.64	0.04	0.14	1.3	3.9	83.7	262.9
4431	ok Av	4.04	0.05	0.15	1.4	4.4	92.6	293.9
4432	ok Av	3.68	0.04	0.14	1.2	4.0	82.2	267.1
4433	ok	1.17						
4434	ok	0.88						
4435	ok	1.68						
4436	ok Av	4.04	0.02	0.16	0.7	4.5	47.1	302.9
4437	ok Av	4.89	0.05	0.19	1.4	5.5	95.7	364.4
4438	ok	2.29						
4439	ok	1.66						
4440	ok	2.64						
4441	ok	0.0						
4442	ok	0.0						
4443	ok	2.72						
4444	ok	3.27						
4445	ok	3.31						
4446	ok	0.98						
4447	ok Av	3.55	0.06	0.13	1.7	3.7	111.3	246.0
4448	ok	0.98						
4449	ok	0.0						
4450	ok	2.08						
4451	ok	0.0						
4452	ok	0.0						
4453	ok	0.0						
4454	ok	0.0						
4455	ok	1.28						
4456	ok	1.15						
4457	ok Av	5.34	0.09	0.20	2.6	5.8	172.3	389.8
4458	ok	2.60						
4459	ok	1.83						
4460	ok Av	5.89	0.06	0.23	1.8	6.7	117.8	445.6
4461	ok Av	3.90	0.09	0.15	2.6	4.2	172.7	282.5
4462	ok	1.24						
4463	ok Av	5.11	0.09	0.20	2.5	5.7	164.7	378.6
4464	ok Av	4.51	0.12	0.16	3.6	4.6	241.6	309.8
4465	ok	0.94						
4466	ok	0.0						
4467	ok Av	3.86	0.04	0.15	1.2	4.2	77.0	282.1
4468	ok Av	5.15	0.13	0.19	3.7	5.6	247.1	372.1
4469	ok	1.39						
4470	ok	2.34						
4471	ok	3.03						
4472	ok Av	5.62	0.08	0.22	2.4	6.4	157.3	424.2
4473	ok	1.68						
4474	ok	0.0						
4475	ok	2.89						
4476	ok	0.0						
4477	ok	0.0						
4478	ok	3.34						
4479	ok	1.27						
4480	ok	1.14						
4481	ok Av	3.75	0.14	0.10	3.9	2.9	262.2	195.7
4482	ok Av	5.21	0.09	0.20	2.6	5.7	170.8	380.2
4483	ok	0.75						
4484	ok	1.25						
4485	ok	2.55						
4486	ok Av	4.79	0.19	0.12	5.4	3.4	363.1	225.2
4487	ok	1.82						
4488	ok Av	5.81	0.06	0.23	1.8	6.6	116.8	438.9
4489	ok Av	3.91	0.15	0.05	4.2	1.4	281.5	94.7
4490	ok	0.50						
4491	ok Av	3.89	0.09	0.15	2.5	4.2	170.1	282.4
4492	ok	0.51						
4493	ok	1.26						
4494	ok	1.08						
4495	ok Av	5.00	0.08	0.19	2.4	5.6	160.4	371.0

4496	ok Av	4.33	0.12	0.15	3.4	4.5	228.4	299.9
4497	ok	1.07						
4498	ok	0.86						
4499	ok	0.44						
4500	ok Av	4.04	0.10	0.15	2.8	4.3	184.4	285.6
4501	ok	0.56						
4502	ok	1.09						
4503	ok Av	4.91	0.11	0.18	3.3	5.4	222.5	358.0
4504	ok	1.33						
4505	ok Av	5.62	0.22	0.11	6.2	3.3	416.4	221.9
4506	ok	3.02						
4507	ok	1.21						
4508	ok	0.67						
4509	ok Av	5.04	0.06	0.20	1.6	5.7	107.5	381.1
4510	ok Av	3.61	0.12	0.11	3.4	3.1	226.3	210.1
4511	ok	1.55						
4512	ok	2.90						
4513	ok Av	3.59	0.14	0.01	4.1	0.4	271.3	26.5
4514	ok	0.75						
4515	ok Av	5.98	0.12	0.21	3.5	6.0	231.1	401.4
4516	ok	0.84						
4517	ok	0.98						
4518	ok Av	3.64	0.13	0.06	3.7	1.8	248.1	121.2
4519	ok Av	3.56	0.06	0.13	1.8	3.6	119.0	242.6
4520	ok Av	5.99	0.21	0.14	6.1	4.0	405.2	268.8
4521	ok Av	8.51	0.08	0.33	2.2	9.5	149.8	635.5
4522	ok	1.00						
4523	ok	1.33						
4524	ok	0.51						
4525	ok	1.45						
4526	ok	1.00						
4527	ok Av	4.98	0.15	0.13	4.3	3.7	288.5	245.7
4528	ok Av	4.21	0.15	0.10	4.3	2.9	287.3	193.6
4529	ok Av	4.14	0.15	0.10	4.3	2.8	286.0	185.0
4530	ok	1.01						
4531	ok	0.51						
4532	ok	1.01						
4533	ok Av	6.06	0.21	0.14	6.1	4.2	404.0	278.3
4534	ok Av	3.65	0.13	0.06	3.7	1.9	246.3	125.3
4535	ok	0.81						
4536	ok	0.65						
4537	ok Av	5.54	0.10	0.20	2.9	5.8	195.0	386.2
4538	ok	0.94						
4539	ok Av	3.84	0.07	0.14	1.9	3.9	126.1	262.9
4540	ok Av	7.57	0.06	0.29	1.8	8.5	120.8	568.9
4541	ok	1.25						
4542	ok	1.37						
4543	ok Av	8.40	0.12	0.32	3.6	9.3	241.6	622.0
4544	ok	0.82						
4545	ok	1.40						
4546	ok	0.93						
4547	ok Av	4.94	0.07	0.19	2.0	5.5	132.0	364.2
4548	ok Av	4.60	0.16	0.08	4.7	2.2	316.6	149.9
4549	ok Av	4.89	0.11	0.18	3.1	5.4	207.4	357.2
4550	ok Av	6.76	0.24	0.13	7.1	3.7	471.5	246.5
4551	ok	1.21						
4552	ok	0.89						
4553	ok Av	4.71	0.10	0.16	2.8	4.6	189.2	303.7
4554	ok	0.48						
4555	ok	0.81						
4556	ok Av	4.55	0.17	0.06	5.0	1.9	331.8	123.9
4557	ok Av	4.68	0.17	0.07	5.0	2.2	332.5	144.5
4558	ok	0.78						
4559	ok	0.49						
4560	ok	0.78						
4561	ok Av	6.71	0.24	0.12	7.0	3.5	469.4	231.3
4562	ok Av	4.30	0.16	0.05	4.6	1.6	308.4	105.0
4563	ok	0.96						
4564	ok	0.98						
4565	ok	1.36						
4566	ok Av	5.18	0.08	0.19	2.2	5.6	149.7	376.5
4567	ok Av	5.38	0.13	0.19	3.7	5.6	246.0	374.7
4568	ok	1.24						
4569	ok Av	4.25	0.10	0.14	2.8	4.0	184.1	265.3
4570	ok	0.0						
4571	ok	0.0						
4572	ok	1.19						

4573	ok Av	5.76	0.07	0.22	2.1	6.4	142.0	427.5
4574	ok	1.88						
4575	ok	1.03						
4576	ok Av	5.50	0.06	0.21	1.8	6.2	120.3	412.1
4577	ok	2.68						
4578	ok Av	4.36	0.07	0.16	2.0	4.6	134.6	307.3
4579	ok Av	4.67	0.08	0.18	2.2	5.1	149.8	339.6
4580	ok	2.41						
4581	ok	0.98						
4582	ok	3.22						
4583	ok	0.92						
4584	ok Av	4.51	0.18	0.05	5.1	1.4	341.6	90.6
4585	ok	3.29						
4586	ok	2.09						
4587	ok Av	8.18	0.29	0.18	8.4	5.2	560.6	346.1
4588	ok Av	3.70	0.14	9.49e-03	4.2	0.3	280.3	18.4
4589	ok	2.32						
4590	ok Av	5.95	0.23	0.08	6.6	2.4	442.7	158.9
4591	ok Av	6.17	0.24	0.09	6.8	2.7	456.0	177.1
4592	ok	0.0						
4593	ok Av	7.16	0.07	0.28	2.0	8.1	131.9	541.3
4594	ok	0.0						
4595	ok	3.05						
4596	ok Av	7.07	0.09	0.27	2.6	7.9	170.6	527.3
4597	ok Av	7.13	0.09	0.27	2.6	8.0	172.7	531.5
4598	ok	1.61						
4599	ok	0.0						
4600	ok	0.0						
4601	ok	2.12						
4602	ok Av	7.24	0.28	0.13	8.2	3.9	545.1	258.2
4603	ok Av	6.75	0.26	0.13	7.6	3.7	506.8	245.2
4604	ok	2.85						
4605	ok Av	4.35	0.17	0.03	4.9	0.9	324.8	58.3
4606	ok Av	5.80	0.22	0.10	6.4	2.8	428.1	186.6
4607	ok	2.43						
4608	ok Av	4.36	0.17	0.13	4.8	3.9	323.5	259.6
4609	ok	0.44						
4610	ok Av	7.47	0.28	0.14	8.2	3.9	548.0	262.7
4611	ok	0.86						
4612	ok	0.52						
4613	ok	0.74						
4614	ok	0.70						
4615	ok	1.60						
4616	ok	0.40						
4617	ok	0.65						
4618	ok	0.81						
4619	ok	0.68						
4620	ok	0.63						
4621	ok	1.54						
4622	ok	0.95						
4623	ok	1.13						
4624	ok	1.24						
4625	ok	1.30						
4626	ok	0.67						
4627	ok	3.42						
4628	ok	2.83						
4629	ok	2.64						
4630	ok	0.68						
4631	ok Av	3.62	0.13	0.06	3.8	1.7	251.2	110.9
4632	ok	0.92						
4633	ok	1.00						
4634	ok	1.02						
4635	ok Av	4.22	0.16	0.02	4.8	0.6	318.2	38.1
4636	ok	1.34						
4637	ok	0.98						
4638	ok	1.33						
4639	ok	0.87						
4640	ok	2.65						
4641	ok Av	4.14	0.16	0.07	4.7	2.1	310.4	143.3
4642	ok	1.62						
4643	ok	2.44						
4644	ok	2.39						
4645	ok Av	6.46	0.23	0.15	6.7	4.3	446.5	289.9
4646	ok	0.57						
4647	ok Av	5.15	0.20	0.06	5.8	1.7	388.1	114.8
4648	ok	2.59						
4649	ok	2.61						

4650	ok	2.83						
4651	ok Av	4.08	0.16	0.02	4.6	0.6	307.2	37.2
4652	ok	0.68						
4653	ok Av	6.15	0.03	0.24	0.9	7.0	57.4	464.4

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	15.51	0.53	0.55	15.41	15.86	1028.09	1058.57

Nodo	Stato	V 6.47	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				
3593	ok	0.33	0.13	1.24	0.0	0.0	0.0	0.0	0	0	0	87
3601	ok	0.32	0.13	1.24	0.0	0.0	0.0	0.0	0	0	0	88

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
8	80.00	1	1	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
									daN/cm	daN/cm	daN/cm	daN	daN	daN
4003	ok	0.04	1.0	2.00e-02	5.7	11.1	5.7	11.0	-34.0	121.5	-75.4	2.060e+04	5801.5	-1.401e+04
4168	ok	0.03	0.6	1.02e-02	5.7	5.7	5.7	5.7	31.3	12.2	-56.5	7250.1	5651.4	-1628.1
4169	ok	0.03	0.4	1.16e-02	5.7	5.7	5.7	5.7	-35.1	-10.0	-64.3	7818.6	5878.8	1598.0
4216	ok	0.03	0.1	5.55e-03	5.7	5.7	5.7	5.7	-24.1	24.6	8.6	786.4	1352.7	-838.9
4218	ok	0.03	0.1	6.01e-03	5.7	5.7	5.7	5.7	-34.3	-14.4	15.9	18.2	1035.1	191.9
4219	ok	0.03	0.8	1.38e-02	5.7	5.7	5.7	5.7	88.6	25.1	40.4	-1.023e+04	-5080.2	4384.5
4221	ok	0.03	0.9	1.40e-02	5.7	5.7	5.7	5.7	-9.1	-0.9	14.3	-1.221e+04	-5162.8	-3193.4
4222	ok	0.03	0.3	7.35e-03	5.7	5.7	5.7	5.7	-27.0	-26.1	16.0	3977.7	301.8	2131.7
4332	ok	0.03	0.3	8.03e-03	5.7	5.7	5.7	5.7	53.9	14.3	-17.7	3921.3	-1257.0	-1027.2
4450	ok	0.03	0.8	1.77e-02	6.0	5.7	6.0	5.7	16.2	-61.1	-27.3	1715.5	-1.171e+04	-4814.7

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
	0.04	0.98	0.02	6.04	11.13	6.04	11.03	-35.12	-61.10	-75.39	-1.221e+04	-1.171e+04	-1.401e+04
								88.58	121.47	40.44	2.060e+04	5878.78	4384.55

Nodo	Stato	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		daN/cm2					daN/cm	daN/cm
4003	ok Av	3.43	0.01	0.16	0.3	3.9	16.9	263.5
4168	ok Av	4.66	0.17	0.16	4.3	4.0	289.4	270.7
4169	ok Av	4.82	0.19	0.15	4.6	3.8	312.9	256.4
4216	ok	1.13						
4218	ok	1.18						
4219	ok	2.30						
4221	ok	2.41						
4222	ok	1.11						
4332	ok	1.42						
4450	ok Av	3.50	0.12	0.11	2.9	2.7	194.6	185.2

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	4.82	0.19	0.16	4.63	4.00	312.91	270.74

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
9	80.00	1	1	Singolo elemento

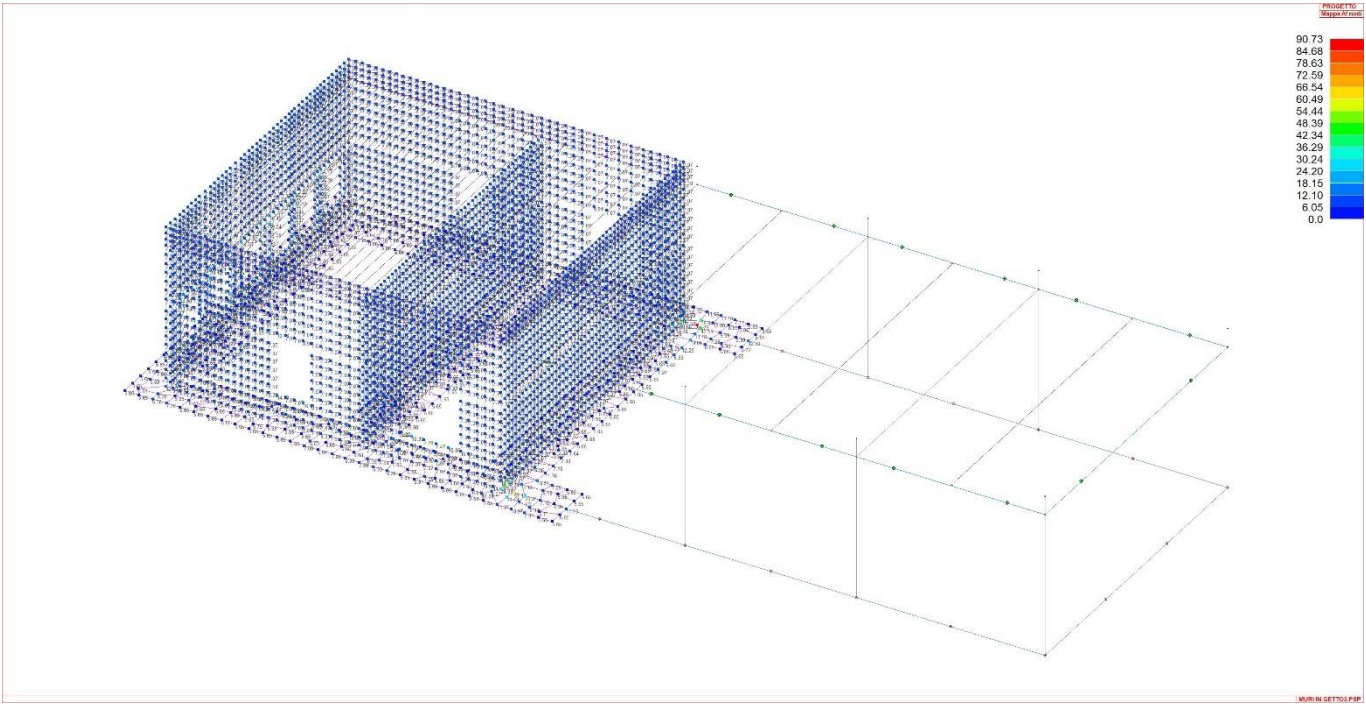
Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
									daN/cm	daN/cm	daN/cm	daN	daN	daN
4094	ok	0.05	1.0	2.13e-02	5.7	12.9	5.7	12.5	-31.6	129.0	83.3	2.496e+04	6068.3	1.578e+04
4184	ok	0.03	0.6	1.16e-02	5.7	5.7	5.7	5.7	-7.4	-3.6	-9.3	8331.6	5366.8	1535.0
4187	ok	0.03	0.5	1.08e-02	5.7	5.7	5.7	5.7	-38.6	32.9	41.4	5842.6	4627.3	-1743.3
4204	ok	0.03	0.1	5.96e-03	5.7	5.7	5.7	5.7	41.2	18.0	-21.1	-378.8	1133.4	172.1
4217	ok	0.03	0.1	6.77e-03	5.7	5.7	5.7	5.7	-29.7	-29.8	-21.4	1024.1	4.9	701.1

4307	ok	0.03	0.3	8.33e-03	5.7	5.7	5.7	5.7	-65.2	-18.1	22.4	4461.8	-1297.2	-812.3
4308	ok	0.03	0.9	1.49e-02	5.7	5.7	5.7	5.7	99.7	31.8	30.1	-1.105e+04	-5780.5	4179.8
4310	ok	0.03	1.0	1.56e-02	5.7	5.7	5.7	5.7	102.3	29.4	-39.4	-1.230e+04	-5557.2	-4327.0
4311	ok	0.03	0.4	9.75e-03	5.7	5.7	5.7	5.7	10.0	28.6	-22.2	4896.1	-1949.9	-1071.4
4470	ok	0.03	0.8	1.83e-02	6.0	5.7	6.0	5.7	24.7	-49.6	29.3	3349.9	-1.186e+04	4408.1

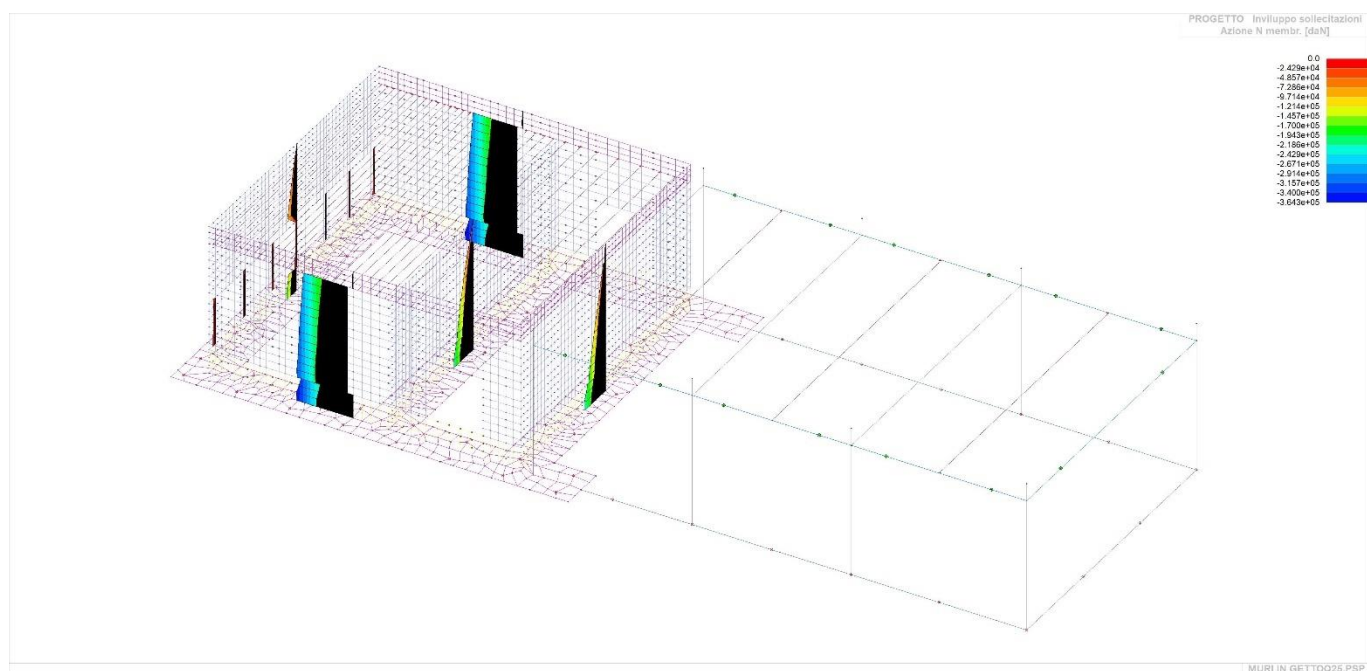
Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
	0.05	0.98	0.02	5.98	12.92	5.98	12.53	-65.25	-49.64	-39.41	-1.230e+04	-1.186e+04	-4327.01
								102.27	128.99	83.28	2.496e+04	6068.26	1.578e+04

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
4094	ok Av	3.66	0.01	0.17	0.3	4.1	19.3	280.2
4184	ok Av	4.89	0.18	0.15	4.6	3.8	307.7	259.7
4187	ok Av	4.74	0.18	0.15	4.5	3.8	304.9	253.9
4204	ok	1.11						
4217	ok	1.23						
4307	ok	1.04						
4308	ok	2.32						
4310	ok	2.53						
4311	ok	1.14						
4470	ok Av	3.35	0.10	0.11	2.6	2.8	174.7	188.9

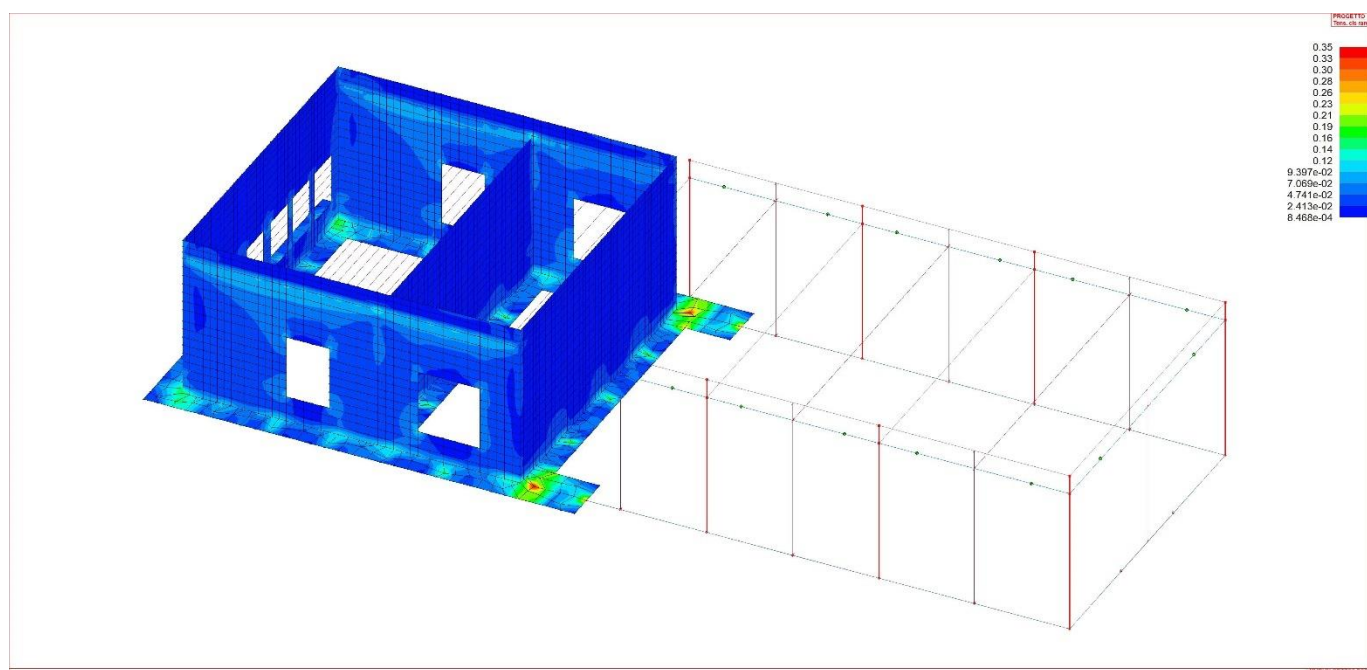
Nodo	Max tau 4.89	Ver V pr 0.18	Ver V sec 0.17	Af V pr 4.55	Af V sec 4.14	V pr 307.74	V sec 280.23
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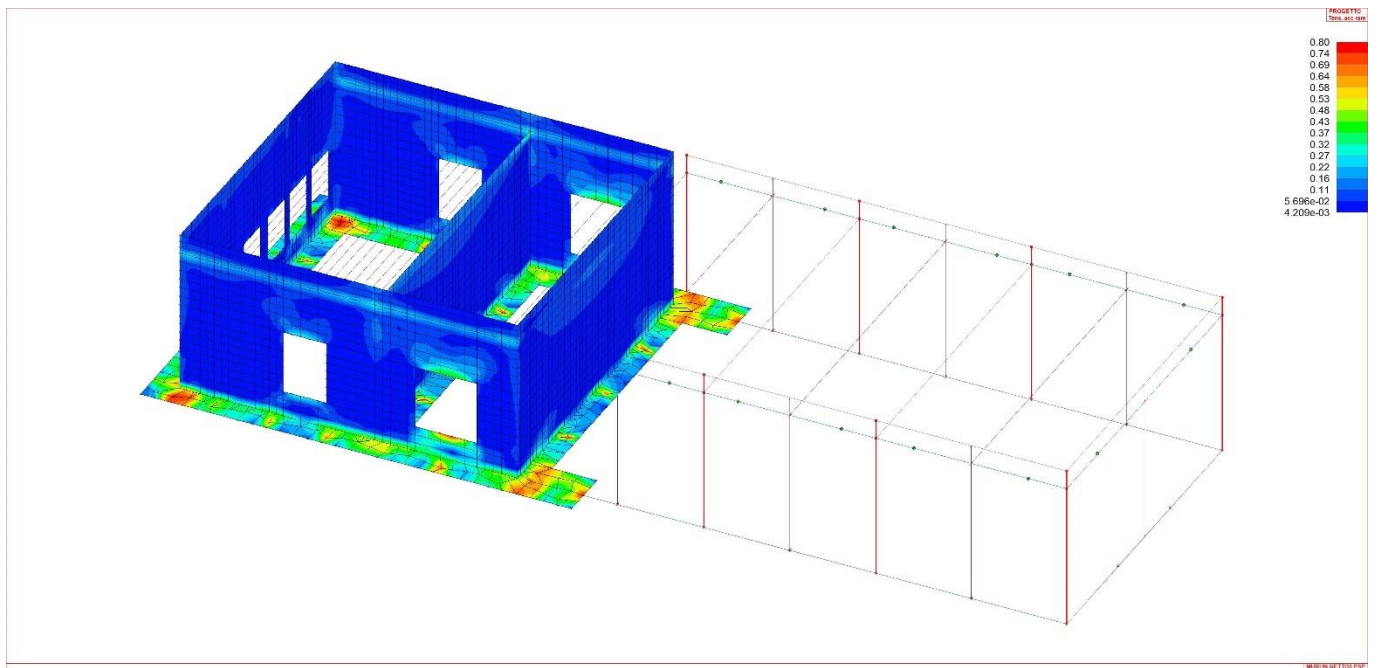
AREA FERRO NODI



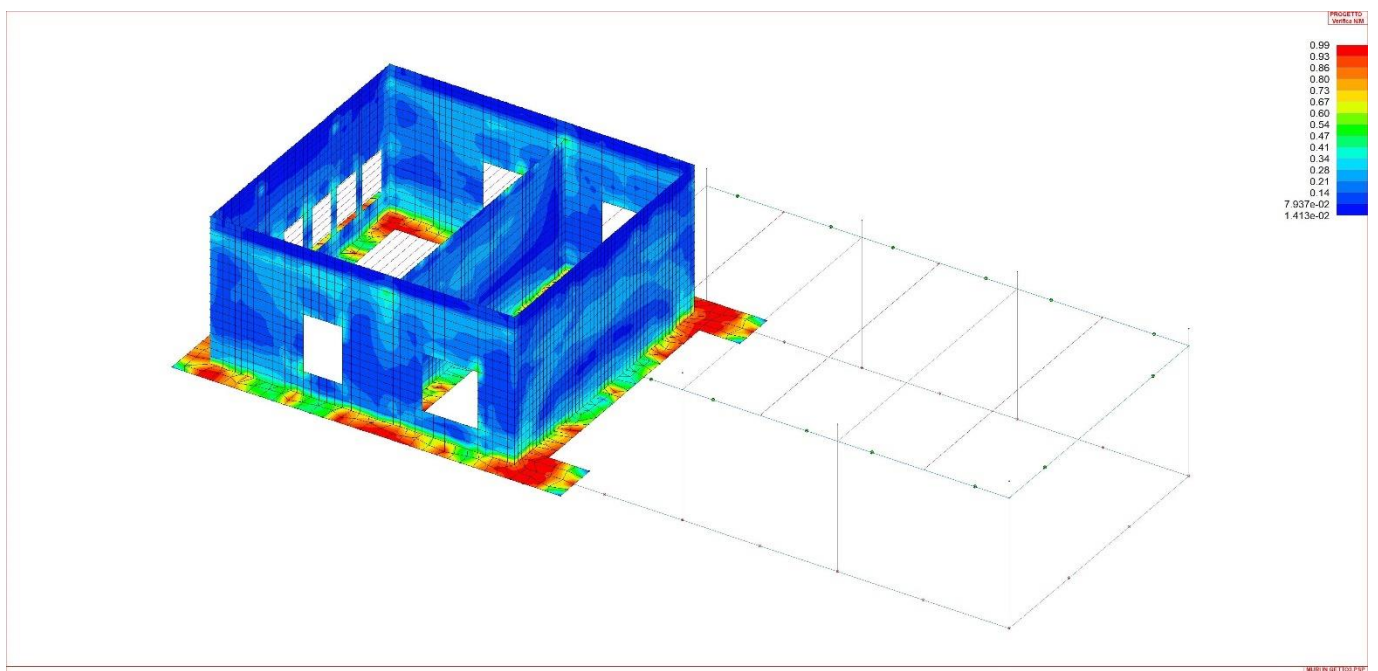
N MEMBRANALE SETTI



TENSIONE CALCESTRUZZO COMB RARE



TENSIONI ACCIAIO COMBINAZIONI RARE



VERIFICA NM

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:

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

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

Pilas.	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb
1	0.0	0.30	0.28	0.07	111,107,117	420.0	0.20	0.18	0.07	111,111,117
	840.0	0.06	0.06	0.07	111,111,117					
2	0.0	0.27	0.25	0.10	110,110,117	420.0	0.19	0.18	0.11	110,110,117
	840.0	0.10	0.10	0.11	110,110,117					
3	0.0	0.26	0.24	0.10	110,110,117	420.0	0.18	0.18	0.11	110,110,117
	840.0	0.10	0.11	0.11	109,109,117					
5	0.0	0.30	0.27	0.07	112,108,117	420.0	0.20	0.18	0.07	112,112,117
	840.0	0.06	0.06	0.07	112,112,117					
6	0.0	0.27	0.25	0.10	109,109,117	420.0	0.19	0.18	0.11	109,109,117
	840.0	0.10	0.10	0.11	109,109,117					
7	0.0	0.26	0.24	0.11	109,109,117	420.0	0.18	0.18	0.12	109,109,117
	840.0	0.10	0.11	0.11	110,110,117					
8	0.0	0.26	0.23	0.07	112,112,117	420.0	0.18	0.17	0.07	112,112,117
	840.0	0.06	0.06	0.07	110,110,117					
30	0.0	9.58e-04	9.94e-04	1.28e-03	105,105,117	110.0	0.0	0.0	0.0	0,0,0
31	0.0	9.58e-04	9.94e-04	1.28e-03	97,97,117	110.0	0.0	0.0	0.0	0,0,0
32	0.0	9.58e-04	9.94e-04	1.28e-03	97,97,117	110.0	0.0	0.0	0.0	0,0,0
33	0.0	9.58e-04	9.94e-04	1.28e-03	97,97,117	110.0	0.0	0.0	0.0	0,0,0
34	0.0	9.58e-04	9.94e-04	1.28e-03	105,105,117	110.0	0.0	0.0	0.0	0,0,0
35	0.0	9.58e-04	9.94e-04	1.28e-03	106,106,117	110.0	0.0	0.0	0.0	0,0,0
36	0.0	9.58e-04	9.94e-04	1.28e-03	106,106,117	110.0	0.0	0.0	0.0	0,0,0
37	0.0	9.58e-04	9.94e-04	1.28e-03	97,97,117	110.0	0.0	0.0	0.0	0,0,0
38	0.0	0.27	0.24	0.08	111,111,117	420.0	0.18	0.17	0.07	111,111,117
	840.0	0.06	0.06	0.07	109,109,117					
Pilas.		rRfck 0.30	rRfyk 0.28	rPfck 0.12			rRfck	rRfyk	rPfck	

Trave	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb	dR cm	dF cm	dP cm	Rif. cmb
4	0.0	0.46	0.68	0.56	109,111,117	0.17	0.17	0.17	111,114,117	-1.19	-1.32	-1.33	111,114,117
	616.0	0.18	0.39	0.10	106,108,117	0.0	0.0	0.0	0,0,0				
9	0.0	1.70e-04	9.01e-03	0.0	105,112,0	0.0	0.0	0.0	0,0,0	-3.48	-3.32	-3.26	99,114,117
	500.0	0.58	0.75	0.71	99,100,117	0.14	0.13	0.13	100,114,117				
	1000.0	1.69e-04	9.01e-03	0.0	105,112,0	0.0	0.0	0.0	0,0,0				
10	0.0	7.17e-04	0.01	0.0	105,112,0	0.0	0.0	0.0	0,0,0	-3.40	-3.24	-3.18	100,114,117
	500.0	0.56	0.75	0.69	99,100,117	0.14	0.14	0.13	100,114,117				
	1000.0	7.17e-04	0.01	0.0	105,112,0	0.0	0.0	0.0	0,0,0				
11	0.0	1.50e-03	0.01	2.58e-04	101,104,117	0.0	0.0	0.0	0,0,0	-4.38	-4.16	-4.08	100,114,117
	552.5	0.62	0.73	0.76	99,100,117	0.13	0.13	0.13	100,114,117				
	1105.0	1.50e-03	0.01	2.58e-04	101,104,117	0.0	0.0	0.0	0,0,0				
12	0.0	1.44e-04	8.79e-03	0.0	106,111,0	0.0	0.0	0.0	0,0,0	-3.48	-3.32	-3.26	99,114,117
	500.0	0.58	0.75	0.71	99,100,117	0.14	0.13	0.13	100,114,117				
	1000.0	1.43e-04	8.79e-03	0.0	106,111,0	0.0	0.0	0.0	0,0,0				
13	0.0	6.90e-04	0.01	0.0	106,111,0	0.0	0.0	0.0	0,0,0	-3.40	-3.24	-3.18	100,114,117
	500.0	0.56	0.75	0.69	99,100,117	0.14	0.14	0.13	100,114,117				
	1000.0	6.90e-04	0.01	0.0	106,111,0	0.0	0.0	0.0	0,0,0				
14	0.0	1.47e-03	0.01	2.20e-04	101,104,117	0.0	0.0	0.0	0,0,0	-4.38	-4.16	-4.08	100,114,117
	552.5	0.62	0.73	0.76	99,100,117	0.13	0.13	0.13	100,114,117				
	1105.0	1.47e-03	0.01	2.20e-04	101,104,117	0.0	0.0	0.0	0,0,0				
16	0.0	0.12	0.24	0.14	103,111,117	0.0	0.0	0.0	0,0,0	-0.20	-0.16	-0.16	110,115,117
	199.0	0.22	0.45	0.28	99,104,117	0.10	0.11	0.11	104,116,117				
17	0.0	0.03	0.08	0.01	100,104,117	0.0	0.0	0.0	0,0,0	0.14	0.13	0.13	100,114,117
	500.0	0.34	0.67	0.43	100,100,117	0.18	0.19	0.19	100,114,117				
18	0.0	0.06	0.09	0.05	101,101,117	0.0	0.0	0.0	0,0,0	0.12	0.11	0.11	100,114,117
	552.0	0.33	0.66	0.43	99,100,117	0.18	0.19	0.19	100,116,117				
19	0.0	0.49	0.73	0.56	105,107,117	0.18	0.15	0.15	107,116,117	-1.19	-1.32	-1.33	106,115,117
	616.0	0.14	0.33	0.16	105,107,117	0.0	0.0	0.0	0,0,0				
20	0.0	0.06	0.10	0.05	101,101,117	0.0	0.0	0.0	0,0,0	0.12	0.11	0.11	100,114,117
	552.0	0.33	0.65	0.42	99,100,117	0.18	0.18	0.18	100,116,117				
21	0.0	0.03	0.08	0.01	100,104,117	0.0	0.0	0.0	0,0,0	0.14	0.13	0.13	100,114,117
	500.0	0.34	0.67	0.43	99,100,117	0.18	0.19	0.19	100,114,117				
22	0.0	0.12	0.25	0.15	103,112,117	0.0	0.0	0.0	0,0,0	-0.20	-0.19	-0.16	109,115,117
	199.0	0.22	0.44	0.28	99,104,117	0.10	0.11	0.11	104,116,117				
23	0.0	0.24	0.46	0.30	99,100,117	0.11	0.12	0.12	100,114,117	-0.20	-0.16	-0.16	99,114,117
	250.0	0.13	0.24	0.16	103,104,117	0.0	0.0	0.0	0,0,0				
	500.0	0.02	0.08	0.01	102,102,117	0.0	0.0	0.0	0,0,0				
24	0.0	0.34	0.67	0.43	99,100,117	0.18	0.19	0.19	100,114,117	0.14	0.13	0.13	100,114,117
	500.0	0.03	0.05	7.82e-03	103,102,117	0.0	0.0	0.0	0,0,0				
25	0.0	0.33	0.65	0.43	99,100,117	0.18	0.19	0.19	100,114,117	0.12	0.11	0.11	103,115,117
	553.0	0.08	0.19	0.08	102,102,117	0.0	0.0	0.0	0,0,0				

26	0.0	0.14	0.28	0.16106,108,117	0.0	0.0	0.0	0,0,0	-1.19	-1.32	-1.33112,114,117
	618.3	0.46	0.70	0.59110,112,117	0.17	0.18	0.18112,114,117				
27	0.0	0.33	0.64	0.4299,100,117	0.17	0.18	0.18100,114,117	0.12	0.11	0.11103,115,117	
	553.0	0.09	0.20	0.09102,102,117	0.0	0.0	0.0	0,0,0			
28	0.0	0.34	0.67	0.4399,100,117	0.18	0.19	0.19100,114,117	0.14	0.13	0.13100,114,117	
	500.0	0.03	0.05	8.64e-03103,99,117	0.0	0.0	0.0	0,0,0			
29	0.0	0.24	0.46	0.3099,100,117	0.11	0.12	0.12100,114,117	-0.20	-0.19	-0.1699,114,117	
	250.0	0.13	0.24	0.16103,104,117	0.0	0.0	0.0	0,0,0			
	500.0	0.02	0.08	0.01102,102,117	0.0	0.0	0.0	0,0,0			

Trave	rRfck	rRfyk	rPfck	wR	wF	wP	dR	dF	dP
	0.62	0.75	0.76	0.18	0.19	0.19	0.14	0.13	0.13

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.13	0.28	0.17	99,99,117	0.0	0.0	0.0	0,0,0
2	0.08	0.14	0.10	100,109,117	0.0	0.0	0.0	0,0,0
3	0.06	0.13	0.07	111,107,117	0.0	0.0	0.0	0,0,0
4	0.18	0.32	0.23	99,99,117	0.0	0.0	0.0	0,0,0
5	0.08	0.13	0.10	100,112,117	0.0	0.0	0.0	0,0,0
6	0.05	0.08	0.06	111,107,117	0.0	0.0	0.0	0,0,0
7	0.19	0.55	0.25	111,99,117	0.0	0.0	0.0	0,0,0
8	0.07	0.13	0.09	109,112,117	0.0	0.0	0.0	0,0,0
9	0.06	0.12	0.08	112,112,117	0.0	0.0	0.0	0,0,0
10	0.17	0.48	0.23	99,100,117	0.0	0.0	0.0	0,0,0
11	0.07	0.06	0.09	109,112,117	0.0	0.0	0.0	0,0,0
12	0.05	0.09	0.06	112,110,117	0.0	0.0	0.0	0,0,0
13	0.10	0.24	0.13	111,111,117	0.0	0.0	0.0	0,0,0
14	0.05	0.08	0.06	109,110,117	0.0	0.0	0.0	0,0,0
15	0.04	0.03	0.05	111,110,117	0.0	0.0	0.0	0,0,0
16	0.09	0.27	0.11	109,99,117	0.0	0.0	0.0	0,0,0
17	0.04	0.07	0.05	111,110,117	0.0	0.0	0.0	0,0,0
18	0.04	0.03	0.04	109,110,117	0.0	0.0	0.0	0,0,0
19	0.09	0.24	0.10	111,107,117	0.0	0.0	0.0	0,0,0
20	0.04	0.07	0.05	111,111,117	0.0	0.0	0.0	0,0,0
21	0.03	0.03	0.04	109,110,117	0.0	0.0	0.0	0,0,0
22	0.06	0.32	0.07	111,111,117	0.0	0.0	0.0	0,0,0
23	0.04	0.04	0.05	111,107,117	0.0	0.0	0.0	0,0,0
24	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
25	0.07	0.12	0.07	111,110,117	0.0	0.0	0.0	0,0,0
26	0.04	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
27	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
28	0.06	0.36	0.07	111,109,117	0.0	0.0	0.0	0,0,0
29	0.04	0.03	0.04	111,99,117	0.0	0.0	0.0	0,0,0
30	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
31	0.06	0.09	0.07	111,110,117	0.0	0.0	0.0	0,0,0
32	0.03	0.03	0.04	111,99,117	0.0	0.0	0.0	0,0,0
33	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
34	0.06	0.30	0.05	111,109,117	0.0	0.0	0.0	0,0,0
35	0.03	0.04	0.04	111,109,117	0.0	0.0	0.0	0,0,0
36	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
37	0.05	0.14	0.05	111,111,117	0.0	0.0	0.0	0,0,0
38	0.03	0.03	0.04	111,109,117	0.0	0.0	0.0	0,0,0
39	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
40	0.07	0.36	0.07	111,111,117	0.0	0.0	0.0	0,0,0
41	0.03	0.06	0.04	111,111,117	0.0	0.0	0.0	0,0,0
42	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
43	0.06	0.11	0.07	111,111,117	0.0	0.0	0.0	0,0,0
44	0.04	0.06	0.04	111,109,117	0.0	0.0	0.0	0,0,0
45	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
46	0.07	0.43	0.09	111,111,117	0.0	0.0	0.0	0,0,0
47	0.04	0.10	0.05	111,109,117	0.0	0.0	0.0	0,0,0
48	0.04	0.05	0.05	111,109,117	0.0	0.0	0.0	0,0,0
49	0.06	0.21	0.07	111,100,117	0.0	0.0	0.0	0,0,0
50	0.05	0.11	0.06	111,111,117	0.0	0.0	0.0	0,0,0
51	0.05	0.10	0.06	111,109,117	0.0	0.0	0.0	0,0,0
52	0.05	0.13	0.06	111,111,117	0.0	0.0	0.0	0,0,0
53	0.05	0.13	0.06	111,99,117	0.0	0.0	0.0	0,0,0
54	0.07	0.20	0.08	111,99,117	0.0	0.0	0.0	0,0,0
55	0.06	0.14	0.08	109,109,117	0.0	0.0	0.0	0,0,0
56	0.05	0.11	0.06	109,109,117	0.0	0.0	0.0	0,0,0
57	0.07	0.17	0.09	109,111,117	0.0	0.0	0.0	0,0,0
58	0.06	0.12	0.08	109,109,117	0.0	0.0	0.0	0,0,0
59	0.05	0.10	0.06	109,109,117	0.0	0.0	0.0	0,0,0
60	0.05	0.05	0.06	109,112,117	0.0	0.0	0.0	0,0,0

61	0.06	0.14	0.08	99,111,117	0.0	0.0	0.0	0,0,0
62	0.04	0.09	0.06	109,109,117	0.0	0.0	0.0	0,0,0
63	0.04	0.03	0.05	109,107,117	0.0	0.0	0.0	0,0,0
64	0.08	0.49	0.11	109,109,117	0.0	0.0	0.0	0,0,0
65	0.03	0.10	0.04	99,111,117	0.0	0.0	0.0	0,0,0
66	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
67	0.09	0.46	0.12	99,99,117	0.0	0.0	0.0	0,0,0
68	0.03	0.05	0.03	100,111,117	0.0	0.0	0.0	0,0,0
69	0.03	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
70	0.04	0.07	0.05	111,100,117	0.0	0.0	0.0	0,0,0
71	0.04	0.14	0.05	111,99,117	0.0	0.0	0.0	0,0,0
72	0.06	0.28	0.07	111,109,117	0.0	0.0	0.0	0,0,0
73	0.03	0.02	0.03	111,105,117	0.0	0.0	0.0	0,0,0
74	0.02	0.08	0.02	111,109,117	0.0	0.0	0.0	0,0,0
75	0.02	0.30	0.01	105,109,117	0.0	0.0	0.0	0,0,0
76	0.02	0.06	0.02	109,109,117	0.0	0.0	0.0	0,0,0
77	0.02	0.07	0.02	100,109,117	0.0	0.0	0.0	0,0,0
78	0.01	0.29	0.02	99,109,117	0.0	0.0	0.0	0,0,0
79	0.04	0.14	0.05	109,109,117	0.0	0.0	0.0	0,0,0
80	0.02	0.08	0.03	109,109,117	0.0	0.0	0.0	0,0,0
81	0.02	0.27	0.02	109,111,117	0.0	0.0	0.0	0,0,0
82	0.05	0.32	0.06	109,109,117	0.0	0.0	0.0	0,0,0
83	0.04	0.10	0.05	109,111,117	0.0	0.0	0.0	0,0,0
84	0.07	0.26	0.08	109,100,117	0.0	0.0	0.0	0,0,0
85	0.06	0.09	0.07	110,112,117	0.0	0.0	0.0	0,0,0
86	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
87	0.03	0.05	0.04	99,109,117	0.0	0.0	0.0	0,0,0
88	0.02	0.05	0.02	100,112,117	0.0	0.0	0.0	0,0,0
89	0.02	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
90	0.03	0.02	0.03	109,111,117	0.0	0.0	0.0	0,0,0
91	0.02	0.08	0.02	112,112,117	0.0	0.0	0.0	0,0,0
92	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
93	0.02	0.01	0.03	109,109,117	0.0	0.0	0.0	0,0,0
94	0.02	0.13	0.02	112,112,117	0.0	0.0	0.0	0,0,0
95	0.01	8.96e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
96	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
97	0.02	0.21	0.03	100,112,117	0.0	0.0	0.0	0,0,0
98	0.01	0.03	0.01	111,112,117	0.0	0.0	0.0	0,0,0
99	0.01	8.99e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
100	0.03	0.19	0.04	112,112,117	0.0	0.0	0.0	0,0,0
101	0.01	0.07	0.02	111,112,117	0.0	0.0	0.0	0,0,0
102	0.01	0.01	0.02	100,110,117	0.0	0.0	0.0	0,0,0
103	0.04	0.21	0.05	112,112,117	0.0	0.0	0.0	0,0,0
104	0.02	0.09	0.02	111,110,117	0.0	0.0	0.0	0,0,0
105	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
106	0.05	0.24	0.06	112,112,117	0.0	0.0	0.0	0,0,0
107	0.02	0.11	0.03	100,112,117	0.0	0.0	0.0	0,0,0
108	0.02	0.07	0.02	100,110,117	0.0	0.0	0.0	0,0,0
109	0.07	0.35	0.09	112,112,117	0.0	0.0	0.0	0,0,0
110	0.03	0.13	0.03	100,112,117	0.0	0.0	0.0	0,0,0
111	0.02	0.08	0.03	100,110,117	0.0	0.0	0.0	0,0,0
112	0.05	0.12	0.06	110,112,117	0.0	0.0	0.0	0,0,0
113	0.03	0.11	0.04	100,112,117	0.0	0.0	0.0	0,0,0
114	0.03	0.09	0.03	100,110,117	0.0	0.0	0.0	0,0,0
115	0.07	0.08	0.08	99,112,117	0.0	0.0	0.0	0,0,0
116	0.04	0.07	0.05	100,110,117	0.0	0.0	0.0	0,0,0
117	0.03	0.08	0.04	100,110,117	0.0	0.0	0.0	0,0,0
118	0.08	0.32	0.10	110,112,117	0.0	0.0	0.0	0,0,0
119	0.04	0.06	0.05	100,110,117	0.0	0.0	0.0	0,0,0
120	0.03	0.08	0.04	100,111,117	0.0	0.0	0.0	0,0,0
121	0.06	0.14	0.08	99,110,117	0.0	0.0	0.0	0,0,0
122	0.04	0.05	0.05	100,110,117	0.0	0.0	0.0	0,0,0
123	0.03	0.07	0.04	100,111,117	0.0	0.0	0.0	0,0,0
124	0.05	0.29	0.06	111,111,117	0.0	0.0	0.0	0,0,0
125	0.03	0.03	0.04	109,107,117	0.0	0.0	0.0	0,0,0
126	0.03	0.07	0.04	100,107,117	0.0	0.0	0.0	0,0,0
127	0.06	0.04	0.08	109,109,117	0.0	0.0	0.0	0,0,0
128	0.03	0.04	0.04	109,107,117	0.0	0.0	0.0	0,0,0
129	0.03	0.06	0.03	99,107,117	0.0	0.0	0.0	0,0,0
130	0.04	0.08	0.05	109,107,117	0.0	0.0	0.0	0,0,0
131	0.03	0.06	0.04	111,107,117	0.0	0.0	0.0	0,0,0
132	0.03	0.05	0.03	111,107,117	0.0	0.0	0.0	0,0,0
133	0.05	0.16	0.06	110,111,117	0.0	0.0	0.0	0,0,0
134	0.03	0.08	0.04	109,107,117	0.0	0.0	0.0	0,0,0
135	0.03	0.05	0.03	111,107,117	0.0	0.0	0.0	0,0,0
136	0.05	0.18	0.06	109,105,117	0.0	0.0	0.0	0,0,0
137	0.03	0.09	0.04	109,105,117	0.0	0.0	0.0	0,0,0

138	0.03	0.05	0.03	111,107,117	0.0	0.0	0.0	0,0,0
139	0.06	0.17	0.07	110,105,117	0.0	0.0	0.0	0,0,0
140	0.03	0.10	0.04	109,110,117	0.0	0.0	0.0	0,0,0
141	0.03	0.04	0.03	109,110,117	0.0	0.0	0.0	0,0,0
142	0.05	0.17	0.06	99,105,117	0.0	0.0	0.0	0,0,0
143	0.03	0.10	0.04	99,110,117	0.0	0.0	0.0	0,0,0
144	0.02	0.05	0.03	109,110,117	0.0	0.0	0.0	0,0,0
145	0.05	0.17	0.07	110,109,117	0.0	0.0	0.0	0,0,0
146	0.03	0.11	0.04	109,110,117	0.0	0.0	0.0	0,0,0
147	0.02	0.06	0.03	110,110,117	0.0	0.0	0.0	0,0,0
148	0.06	0.20	0.07	110,110,117	0.0	0.0	0.0	0,0,0
149	0.03	0.09	0.04	109,106,117	0.0	0.0	0.0	0,0,0
150	0.02	0.06	0.03	110,106,117	0.0	0.0	0.0	0,0,0
151	0.05	0.09	0.07	110,106,117	0.0	0.0	0.0	0,0,0
152	0.03	0.06	0.04	110,106,117	0.0	0.0	0.0	0,0,0
153	0.03	0.06	0.03	99,106,117	0.0	0.0	0.0	0,0,0
154	0.06	0.26	0.08	110,110,117	0.0	0.0	0.0	0,0,0
155	0.03	0.05	0.04	99,106,117	0.0	0.0	0.0	0,0,0
156	0.03	0.07	0.04	99,106,117	0.0	0.0	0.0	0,0,0
157	0.05	0.10	0.07	110,106,117	0.0	0.0	0.0	0,0,0
158	0.04	0.05	0.05	99,106,117	0.0	0.0	0.0	0,0,0
159	0.03	0.07	0.04	99,101,117	0.0	0.0	0.0	0,0,0
160	0.05	0.10	0.07	109,105,117	0.0	0.0	0.0	0,0,0
161	0.04	0.05	0.05	99,105,117	0.0	0.0	0.0	0,0,0
162	0.03	0.07	0.04	99,101,117	0.0	0.0	0.0	0,0,0
163	0.06	0.26	0.08	109,109,117	0.0	0.0	0.0	0,0,0
164	0.03	0.05	0.04	99,105,117	0.0	0.0	0.0	0,0,0
165	0.03	0.07	0.04	99,105,117	0.0	0.0	0.0	0,0,0
166	0.05	0.09	0.07	109,105,117	0.0	0.0	0.0	0,0,0
167	0.03	0.07	0.04	109,105,117	0.0	0.0	0.0	0,0,0
168	0.03	0.07	0.03	99,105,117	0.0	0.0	0.0	0,0,0
169	0.06	0.20	0.07	109,109,117	0.0	0.0	0.0	0,0,0
170	0.03	0.09	0.04	110,105,117	0.0	0.0	0.0	0,0,0
171	0.02	0.07	0.03	109,105,117	0.0	0.0	0.0	0,0,0
172	0.05	0.17	0.07	109,99,117	0.0	0.0	0.0	0,0,0
173	0.03	0.11	0.04	110,109,117	0.0	0.0	0.0	0,0,0
174	0.02	0.06	0.03	109,105,117	0.0	0.0	0.0	0,0,0
175	0.05	0.17	0.06	109,106,117	0.0	0.0	0.0	0,0,0
176	0.03	0.10	0.04	99,109,117	0.0	0.0	0.0	0,0,0
177	0.02	0.06	0.03	109,109,117	0.0	0.0	0.0	0,0,0
178	0.06	0.16	0.07	109,106,117	0.0	0.0	0.0	0,0,0
179	0.03	0.10	0.04	110,109,117	0.0	0.0	0.0	0,0,0
180	0.02	0.04	0.03	110,109,117	0.0	0.0	0.0	0,0,0
181	0.05	0.17	0.06	110,106,117	0.0	0.0	0.0	0,0,0
182	0.03	0.09	0.04	112,106,117	0.0	0.0	0.0	0,0,0
183	0.03	0.04	0.03	112,108,117	0.0	0.0	0.0	0,0,0
184	0.05	0.16	0.06	109,112,117	0.0	0.0	0.0	0,0,0
185	0.03	0.08	0.04	110,108,117	0.0	0.0	0.0	0,0,0
186	0.03	0.05	0.03	112,108,117	0.0	0.0	0.0	0,0,0
187	0.04	0.08	0.05	110,108,117	0.0	0.0	0.0	0,0,0
188	0.03	0.05	0.04	112,108,117	0.0	0.0	0.0	0,0,0
189	0.03	0.05	0.03	112,108,117	0.0	0.0	0.0	0,0,0
190	0.06	0.04	0.08	110,110,117	0.0	0.0	0.0	0,0,0
191	0.03	0.04	0.04	110,108,117	0.0	0.0	0.0	0,0,0
192	0.03	0.06	0.03	99,106,117	0.0	0.0	0.0	0,0,0
193	0.05	0.29	0.07	109,112,117	0.0	0.0	0.0	0,0,0
194	0.03	0.03	0.04	110,108,117	0.0	0.0	0.0	0,0,0
195	0.03	0.07	0.04	100,108,117	0.0	0.0	0.0	0,0,0
196	0.06	0.14	0.08	99,109,117	0.0	0.0	0.0	0,0,0
197	0.04	0.05	0.05	100,109,117	0.0	0.0	0.0	0,0,0
198	0.03	0.07	0.04	100,112,117	0.0	0.0	0.0	0,0,0
199	0.08	0.32	0.10	109,109,117	0.0	0.0	0.0	0,0,0
200	0.04	0.06	0.05	100,109,117	0.0	0.0	0.0	0,0,0
201	0.03	0.08	0.04	100,112,117	0.0	0.0	0.0	0,0,0
202	0.07	0.12	0.09	109,111,117	0.0	0.0	0.0	0,0,0
203	0.04	0.08	0.05	100,109,117	0.0	0.0	0.0	0,0,0
204	0.03	0.08	0.04	100,109,117	0.0	0.0	0.0	0,0,0
205	0.05	0.16	0.06	109,111,117	0.0	0.0	0.0	0,0,0
206	0.03	0.13	0.04	100,111,117	0.0	0.0	0.0	0,0,0
207	0.03	0.10	0.03	100,109,117	0.0	0.0	0.0	0,0,0
208	0.07	0.39	0.09	111,111,117	0.0	0.0	0.0	0,0,0
209	0.03	0.15	0.03	100,111,117	0.0	0.0	0.0	0,0,0
210	0.02	0.09	0.03	100,109,117	0.0	0.0	0.0	0,0,0
211	0.05	0.29	0.07	111,111,117	0.0	0.0	0.0	0,0,0
212	0.02	0.15	0.03	100,111,117	0.0	0.0	0.0	0,0,0
213	0.02	0.08	0.02	100,109,117	0.0	0.0	0.0	0,0,0
214	0.06	0.40	0.08	111,111,117	0.0	0.0	0.0	0,0,0

215	0.02	0.13	0.02	112,111,117	0.0	0.0	0.0	0,0,0
216	0.02	0.06	0.02	111,109,117	0.0	0.0	0.0	0,0,0
217	0.05	0.34	0.06	111,111,117	0.0	0.0	0.0	0,0,0
218	0.01	0.08	0.02	112,109,117	0.0	0.0	0.0	0,0,0
219	0.01	0.03	0.01	109,109,117	0.0	0.0	0.0	0,0,0
220	0.02	0.23	0.03	100,111,117	0.0	0.0	0.0	0,0,0
221	0.01	0.06	0.01	112,109,117	0.0	0.0	0.0	0,0,0
222	0.01	8.87e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
223	0.02	0.15	0.02	100,111,117	0.0	0.0	0.0	0,0,0
224	0.01	0.01	0.01	110,105,117	0.0	0.0	0.0	0,0,0
225	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
226	0.02	0.10	0.02	111,111,117	0.0	0.0	0.0	0,0,0
227	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
228	0.02	0.01	0.03	110,110,117	0.0	0.0	0.0	0,0,0
229	0.02	0.06	0.03	100,111,117	0.0	0.0	0.0	0,0,0
230	0.02	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
231	0.03	0.02	0.04	110,106,117	0.0	0.0	0.0	0,0,0
232	0.06	0.09	0.08	109,111,117	0.0	0.0	0.0	0,0,0
233	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
234	0.03	0.05	0.04	99,110,117	0.0	0.0	0.0	0,0,0
235	0.11	0.25	0.15	110,109,117	0.0	0.0	0.0	0,0,0
236	0.04	0.12	0.05	110,111,117	0.0	0.0	0.0	0,0,0
237	0.04	0.05	0.05	110,106,117	0.0	0.0	0.0	0,0,0
238	0.09	0.15	0.12	100,111,117	0.0	0.0	0.0	0,0,0
239	0.05	0.09	0.06	100,111,117	0.0	0.0	0.0	0,0,0
240	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
241	0.07	0.17	0.10	100,111,117	0.0	0.0	0.0	0,0,0
242	0.05	0.10	0.07	100,111,117	0.0	0.0	0.0	0,0,0
243	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
244	0.07	0.20	0.09	111,111,117	0.0	0.0	0.0	0,0,0
245	0.05	0.11	0.07	100,111,117	0.0	0.0	0.0	0,0,0
246	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
247	0.11	0.57	0.14	111,111,117	0.0	0.0	0.0	0,0,0
248	0.06	0.24	0.07	100,111,117	0.0	0.0	0.0	0,0,0
249	0.10	0.23	0.12	100,111,117	0.0	0.0	0.0	0,0,0
250	0.07	0.38	0.09	103,109,117	0.0	0.0	0.0	0,0,0
251	0.04	0.22	0.05	110,100,117	0.0	0.0	0.0	0,0,0
252	0.06	0.31	0.07	99,111,117	0.0	0.0	0.0	0,0,0
253	0.06	0.14	0.07	110,109,117	0.0	0.0	0.0	0,0,0
254	0.04	0.11	0.05	110,112,117	0.0	0.0	0.0	0,0,0
255	0.04	0.11	0.05	112,112,117	0.0	0.0	0.0	0,0,0
256	0.08	0.13	0.08	110,103,117	0.0	0.0	0.0	0,0,0
257	0.05	0.09	0.05	110,112,117	0.0	0.0	0.0	0,0,0
258	0.04	0.10	0.05	112,112,117	0.0	0.0	0.0	0,0,0
259	0.14	0.12	0.11	110,110,117	0.0	0.0	0.0	0,0,0
260	0.05	0.08	0.04	112,112,117	0.0	0.0	0.0	0,0,0
261	0.03	0.07	0.04	112,112,117	0.0	0.0	0.0	0,0,0
262	0.12	0.34	0.10	112,106,117	0.0	0.0	0.0	0,0,0
263	0.04	0.07	0.04	112,112,117	0.0	0.0	0.0	0,0,0
264	0.04	0.09	0.04	110,109,117	0.0	0.0	0.0	0,0,0
265	0.13	0.32	0.10	106,110,117	0.0	0.0	0.0	0,0,0
266	0.04	0.07	0.03	108,109,117	0.0	0.0	0.0	0,0,0
267	0.03	0.08	0.03	109,109,117	0.0	0.0	0.0	0,0,0
268	0.08	0.27	0.09	103,109,117	0.0	0.0	0.0	0,0,0
269	0.03	0.05	0.03	109,109,117	0.0	0.0	0.0	0,0,0
270	0.02	0.03	0.02	108,109,117	0.0	0.0	0.0	0,0,0
271	0.07	0.20	0.08	109,105,117	0.0	0.0	0.0	0,0,0
272	0.03	0.08	0.03	109,110,117	0.0	0.0	0.0	0,0,0
273	0.02	0.02	0.02	109,109,117	0.0	0.0	0.0	0,0,0
274	0.07	0.28	0.08	103,110,117	0.0	0.0	0.0	0,0,0
275	0.03	0.12	0.04	109,110,117	0.0	0.0	0.0	0,0,0
276	0.02	0.04	0.02	109,110,117	0.0	0.0	0.0	0,0,0
277	0.07	0.26	0.09	99,110,117	0.0	0.0	0.0	0,0,0
278	0.03	0.15	0.04	103,110,117	0.0	0.0	0.0	0,0,0
279	0.02	0.07	0.02	109,110,117	0.0	0.0	0.0	0,0,0
280	0.06	0.29	0.08	103,110,117	0.0	0.0	0.0	0,0,0
281	0.03	0.19	0.04	109,110,117	0.0	0.0	0.0	0,0,0
282	0.02	0.10	0.02	109,112,117	0.0	0.0	0.0	0,0,0
283	0.06	0.30	0.08	110,110,117	0.0	0.0	0.0	0,0,0
284	0.03	0.20	0.04	109,110,117	0.0	0.0	0.0	0,0,0
285	0.02	0.13	0.03	109,112,117	0.0	0.0	0.0	0,0,0
286	0.08	0.36	0.09	110,112,117	0.0	0.0	0.0	0,0,0
287	0.03	0.19	0.04	109,112,117	0.0	0.0	0.0	0,0,0
288	0.02	0.14	0.03	109,112,117	0.0	0.0	0.0	0,0,0
289	0.07	0.34	0.09	110,112,117	0.0	0.0	0.0	0,0,0
290	0.03	0.17	0.03	109,112,117	0.0	0.0	0.0	0,0,0
291	0.03	0.14	0.03	109,112,117	0.0	0.0	0.0	0,0,0

292	0.05	0.17	0.06	110,112,117	0.0	0.0	0.0	0,0,0
293	0.03	0.14	0.04	109,112,117	0.0	0.0	0.0	0,0,0
294	0.03	0.14	0.03	109,112,117	0.0	0.0	0.0	0,0,0
295	0.05	0.11	0.06	112,112,117	0.0	0.0	0.0	0,0,0
296	0.04	0.12	0.05	99,112,117	0.0	0.0	0.0	0,0,0
297	0.03	0.13	0.04	109,112,117	0.0	0.0	0.0	0,0,0
298	0.07	0.07	0.08	112,112,117	0.0	0.0	0.0	0,0,0
299	0.04	0.10	0.05	99,112,117	0.0	0.0	0.0	0,0,0
300	0.03	0.11	0.04	109,110,117	0.0	0.0	0.0	0,0,0
301	0.07	0.07	0.09	100,105,117	0.0	0.0	0.0	0,0,0
302	0.04	0.06	0.05	109,110,117	0.0	0.0	0.0	0,0,0
303	0.03	0.11	0.04	109,110,117	0.0	0.0	0.0	0,0,0
304	0.06	0.28	0.07	111,109,117	0.0	0.0	0.0	0,0,0
305	0.03	0.03	0.04	109,106,117	0.0	0.0	0.0	0,0,0
306	0.03	0.09	0.04	109,110,117	0.0	0.0	0.0	0,0,0
307	0.07	0.34	0.08	111,109,117	0.0	0.0	0.0	0,0,0
308	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
309	0.03	0.06	0.03	109,110,117	0.0	0.0	0.0	0,0,0
310	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
311	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
312	0.02	0.02	0.03	109,106,117	0.0	0.0	0.0	0,0,0
313	0.03	0.02	0.03	109,106,117	0.0	0.0	0.0	0,0,0
314	0.02	0.01	0.03	111,111,117	0.0	0.0	0.0	0,0,0
315	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
316	0.02	0.05	0.03	109,105,117	0.0	0.0	0.0	0,0,0
317	0.02	0.02	0.02	99,105,117	0.0	0.0	0.0	0,0,0
318	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
319	0.03	0.07	0.04	112,106,117	0.0	0.0	0.0	0,0,0
320	0.02	0.04	0.02	111,108,117	0.0	0.0	0.0	0,0,0
321	0.01	9.88e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
322	0.03	0.07	0.03	112,105,117	0.0	0.0	0.0	0,0,0
323	0.02	0.04	0.02	111,108,117	0.0	0.0	0.0	0,0,0
324	0.02	0.02	0.02	112,108,117	0.0	0.0	0.0	0,0,0
325	0.04	0.15	0.05	112,106,117	0.0	0.0	0.0	0,0,0
326	0.02	0.04	0.02	110,108,117	0.0	0.0	0.0	0,0,0
327	0.02	0.03	0.02	112,108,117	0.0	0.0	0.0	0,0,0
328	0.04	0.06	0.05	112,108,117	0.0	0.0	0.0	0,0,0
329	0.02	0.03	0.03	112,108,117	0.0	0.0	0.0	0,0,0
330	0.02	0.03	0.03	112,108,117	0.0	0.0	0.0	0,0,0
331	0.06	0.23	0.07	112,110,117	0.0	0.0	0.0	0,0,0
332	0.03	0.03	0.04	112,108,117	0.0	0.0	0.0	0,0,0
333	0.02	0.04	0.03	112,108,117	0.0	0.0	0.0	0,0,0
334	0.06	0.09	0.08	112,108,117	0.0	0.0	0.0	0,0,0
335	0.03	0.03	0.04	112,108,117	0.0	0.0	0.0	0,0,0
336	0.03	0.06	0.03	100,108,117	0.0	0.0	0.0	0,0,0
337	0.06	0.28	0.08	112,99,117	0.0	0.0	0.0	0,0,0
338	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
339	0.03	0.07	0.04	100,108,117	0.0	0.0	0.0	0,0,0
340	0.07	0.06	0.09	100,108,117	0.0	0.0	0.0	0,0,0
341	0.03	0.03	0.05	100,108,117	0.0	0.0	0.0	0,0,0
342	0.03	0.07	0.04	100,102,117	0.0	0.0	0.0	0,0,0
343	0.05	0.04	0.07	111,111,117	0.0	0.0	0.0	0,0,0
344	0.03	0.03	0.04	111,107,117	0.0	0.0	0.0	0,0,0
345	0.03	0.07	0.04	100,107,117	0.0	0.0	0.0	0,0,0
346	0.04	0.03	0.05	111,107,117	0.0	0.0	0.0	0,0,0
347	0.03	0.04	0.04	111,107,117	0.0	0.0	0.0	0,0,0
348	0.02	0.05	0.03	111,107,117	0.0	0.0	0.0	0,0,0
349	0.03	0.07	0.04	111,107,117	0.0	0.0	0.0	0,0,0
350	0.02	0.04	0.03	111,107,117	0.0	0.0	0.0	0,0,0
351	0.02	0.04	0.03	111,107,117	0.0	0.0	0.0	0,0,0
352	0.04	0.15	0.05	111,105,117	0.0	0.0	0.0	0,0,0
353	0.02	0.05	0.02	111,107,117	0.0	0.0	0.0	0,0,0
354	0.02	0.04	0.02	111,107,117	0.0	0.0	0.0	0,0,0
355	0.03	0.07	0.03	111,106,117	0.0	0.0	0.0	0,0,0
356	0.02	0.05	0.02	112,107,117	0.0	0.0	0.0	0,0,0
357	0.02	0.02	0.02	111,107,117	0.0	0.0	0.0	0,0,0
358	0.03	0.07	0.04	111,105,117	0.0	0.0	0.0	0,0,0
359	0.02	0.04	0.02	112,107,117	0.0	0.0	0.0	0,0,0
360	0.01	9.88e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
361	0.02	0.06	0.03	109,106,117	0.0	0.0	0.0	0,0,0
362	0.02	0.02	0.02	99,106,117	0.0	0.0	0.0	0,0,0
363	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
364	0.03	0.15	0.04	110,110,117	0.0	0.0	0.0	0,0,0
365	0.02	0.01	0.03	112,112,117	0.0	0.0	0.0	0,0,0
366	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
367	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
368	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0

369	0.02	0.02	0.03	110,107,117	0.0	0.0	0.0	0,0,0
370	0.07	0.35	0.08	112,110,117	0.0	0.0	0.0	0,0,0
371	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
372	0.03	0.06	0.03	110,109,117	0.0	0.0	0.0	0,0,0
373	0.06	0.28	0.08	111,110,117	0.0	0.0	0.0	0,0,0
374	0.03	0.03	0.04	110,105,117	0.0	0.0	0.0	0,0,0
375	0.03	0.09	0.04	110,109,117	0.0	0.0	0.0	0,0,0
376	0.07	0.17	0.09	100,111,117	0.0	0.0	0.0	0,0,0
377	0.04	0.08	0.05	99,111,117	0.0	0.0	0.0	0,0,0
378	0.03	0.11	0.04	110,109,117	0.0	0.0	0.0	0,0,0
379	0.08	0.34	0.10	111,109,117	0.0	0.0	0.0	0,0,0
380	0.04	0.10	0.05	99,111,117	0.0	0.0	0.0	0,0,0
381	0.03	0.11	0.04	110,109,117	0.0	0.0	0.0	0,0,0
382	0.07	0.11	0.09	111,111,117	0.0	0.0	0.0	0,0,0
383	0.04	0.12	0.05	99,111,117	0.0	0.0	0.0	0,0,0
384	0.03	0.13	0.04	110,111,117	0.0	0.0	0.0	0,0,0
385	0.05	0.17	0.06	111,111,117	0.0	0.0	0.0	0,0,0
386	0.03	0.15	0.04	110,111,117	0.0	0.0	0.0	0,0,0
387	0.03	0.15	0.03	110,111,117	0.0	0.0	0.0	0,0,0
388	0.08	0.37	0.09	109,111,117	0.0	0.0	0.0	0,0,0
389	0.03	0.18	0.03	99,111,117	0.0	0.0	0.0	0,0,0
390	0.02	0.15	0.03	110,111,117	0.0	0.0	0.0	0,0,0
391	0.08	0.39	0.09	109,111,117	0.0	0.0	0.0	0,0,0
392	0.03	0.21	0.03	110,111,117	0.0	0.0	0.0	0,0,0
393	0.02	0.15	0.03	110,111,117	0.0	0.0	0.0	0,0,0
394	0.06	0.25	0.07	109,109,117	0.0	0.0	0.0	0,0,0
395	0.03	0.22	0.04	110,109,117	0.0	0.0	0.0	0,0,0
396	0.02	0.14	0.02	110,111,117	0.0	0.0	0.0	0,0,0
397	0.06	0.33	0.06	110,109,117	0.0	0.0	0.0	0,0,0
398	0.03	0.22	0.04	110,109,117	0.0	0.0	0.0	0,0,0
399	0.02	0.12	0.02	110,111,117	0.0	0.0	0.0	0,0,0
400	0.06	0.32	0.06	110,109,117	0.0	0.0	0.0	0,0,0
401	0.03	0.21	0.04	110,109,117	0.0	0.0	0.0	0,0,0
402	0.02	0.09	0.02	110,109,117	0.0	0.0	0.0	0,0,0
403	0.06	0.25	0.07	110,109,117	0.0	0.0	0.0	0,0,0
404	0.03	0.17	0.04	103,109,117	0.0	0.0	0.0	0,0,0
405	0.02	0.07	0.02	110,105,117	0.0	0.0	0.0	0,0,0
406	0.05	0.14	0.06	110,109,117	0.0	0.0	0.0	0,0,0
407	0.03	0.10	0.03	110,105,117	0.0	0.0	0.0	0,0,0
408	0.02	0.04	0.02	110,105,117	0.0	0.0	0.0	0,0,0
409	0.08	0.46	0.09	106,110,117	0.0	0.0	0.0	0,0,0
410	0.03	0.06	0.03	110,109,117	0.0	0.0	0.0	0,0,0
411	0.02	0.02	0.02	107,110,117	0.0	0.0	0.0	0,0,0
412	0.14	0.44	0.12	105,109,117	0.0	0.0	0.0	0,0,0
413	0.04	0.07	0.04	107,110,117	0.0	0.0	0.0	0,0,0
414	0.03	0.08	0.03	110,110,117	0.0	0.0	0.0	0,0,0
415	0.13	0.42	0.11	111,105,117	0.0	0.0	0.0	0,0,0
416	0.04	0.07	0.04	111,111,117	0.0	0.0	0.0	0,0,0
417	0.04	0.08	0.04	109,110,117	0.0	0.0	0.0	0,0,0
418	0.15	0.13	0.11	111,109,117	0.0	0.0	0.0	0,0,0
419	0.05	0.08	0.05	111,111,117	0.0	0.0	0.0	0,0,0
420	0.03	0.07	0.04	111,111,117	0.0	0.0	0.0	0,0,0
421	0.09	0.13	0.08	109,110,117	0.0	0.0	0.0	0,0,0
422	0.05	0.09	0.05	109,111,117	0.0	0.0	0.0	0,0,0
423	0.04	0.10	0.05	111,111,117	0.0	0.0	0.0	0,0,0
424	0.06	0.14	0.07	109,110,117	0.0	0.0	0.0	0,0,0
425	0.05	0.11	0.05	109,111,117	0.0	0.0	0.0	0,0,0
426	0.04	0.11	0.06	111,111,117	0.0	0.0	0.0	0,0,0
427	0.08	0.39	0.10	103,110,117	0.0	0.0	0.0	0,0,0
428	0.04	0.21	0.05	109,100,117	0.0	0.0	0.0	0,0,0
429	0.06	0.31	0.07	99,112,117	0.0	0.0	0.0	0,0,0
430	0.05	0.24	0.06	99,99,117	0.0	0.0	0.0	0,0,0
431	0.04	0.30	0.05	109,112,117	0.0	0.0	0.0	0,0,0
432	0.05	0.42	0.06	109,112,117	0.0	0.0	0.0	0,0,0
433	0.04	0.20	0.05	110,103,117	0.0	0.0	0.0	0,0,0
434	0.03	0.33	0.04	110,112,117	0.0	0.0	0.0	0,0,0
435	0.02	0.72	0.03	112,112,117	0.0	0.0	0.0	0,0,0
436	0.05	0.19	0.06	112,112,117	0.0	0.0	0.0	0,0,0
437	0.03	0.33	0.03	100,112,117	0.0	0.0	0.0	0,0,0
438	0.01	0.74	0.02	110,112,117	0.0	0.0	0.0	0,0,0
439	0.06	0.35	0.07	112,112,117	0.0	0.0	0.0	0,0,0
440	0.03	0.32	0.04	100,112,117	0.0	0.0	0.0	0,0,0
441	0.02	0.64	0.03	111,112,117	0.0	0.0	0.0	0,0,0
442	0.07	0.32	0.09	112,112,117	0.0	0.0	0.0	0,0,0
443	0.06	0.32	0.07	100,112,117	0.0	0.0	0.0	0,0,0
444	0.10	0.31	0.12	100,112,117	0.0	0.0	0.0	0,0,0
445	0.12	0.57	0.15	112,112,117	0.0	0.0	0.0	0,0,0

446	0.06	0.24	0.07	100,112,117	0.0	0.0	0.0	0,0,0
447	0.10	0.22	0.12	100,112,117	0.0	0.0	0.0	0,0,0
448	0.07	0.20	0.10	112,112,117	0.0	0.0	0.0	0,0,0
449	0.05	0.11	0.07	100,112,117	0.0	0.0	0.0	0,0,0
450	0.06	0.04	0.08	100,100,117	0.0	0.0	0.0	0,0,0
451	0.08	0.16	0.10	100,112,117	0.0	0.0	0.0	0,0,0
452	0.05	0.10	0.07	100,112,117	0.0	0.0	0.0	0,0,0
453	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
454	0.10	0.15	0.13	100,112,117	0.0	0.0	0.0	0,0,0
455	0.05	0.09	0.07	100,112,117	0.0	0.0	0.0	0,0,0
456	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
457	0.12	0.28	0.16	109,110,117	0.0	0.0	0.0	0,0,0
458	0.05	0.13	0.06	109,112,117	0.0	0.0	0.0	0,0,0
459	0.05	0.06	0.05	109,105,117	0.0	0.0	0.0	0,0,0
460	0.10	0.48	0.12	99,99,117	0.0	0.0	0.0	0,0,0
461	0.03	0.05	0.04	100,112,117	0.0	0.0	0.0	0,0,0
462	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
463	0.09	0.50	0.11	99,110,117	0.0	0.0	0.0	0,0,0
464	0.04	0.10	0.05	99,112,117	0.0	0.0	0.0	0,0,0
465	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
466	0.07	0.13	0.08	99,112,117	0.0	0.0	0.0	0,0,0
467	0.05	0.09	0.06	110,112,117	0.0	0.0	0.0	0,0,0
468	0.04	0.03	0.05	99,112,117	0.0	0.0	0.0	0,0,0
469	0.07	0.12	0.08	110,110,117	0.0	0.0	0.0	0,0,0
470	0.05	0.09	0.06	110,110,117	0.0	0.0	0.0	0,0,0
471	0.05	0.05	0.06	110,111,117	0.0	0.0	0.0	0,0,0
472	0.07	0.13	0.08	110,110,117	0.0	0.0	0.0	0,0,0
473	0.05	0.11	0.07	110,110,117	0.0	0.0	0.0	0,0,0
474	0.07	0.17	0.09	110,112,117	0.0	0.0	0.0	0,0,0
475	0.05	0.32	0.06	110,110,117	0.0	0.0	0.0	0,0,0
476	0.05	0.09	0.06	110,112,117	0.0	0.0	0.0	0,0,0
477	0.07	0.26	0.09	110,100,117	0.0	0.0	0.0	0,0,0
478	0.04	0.13	0.05	110,110,117	0.0	0.0	0.0	0,0,0
479	0.03	0.07	0.03	110,110,117	0.0	0.0	0.0	0,0,0
480	0.02	0.27	0.03	100,112,117	0.0	0.0	0.0	0,0,0
481	0.03	0.08	0.03	110,110,117	0.0	0.0	0.0	0,0,0
482	0.02	0.07	0.02	100,100,117	0.0	0.0	0.0	0,0,0
483	0.02	0.28	0.02	99,110,117	0.0	0.0	0.0	0,0,0
484	0.04	0.14	0.05	112,111,117	0.0	0.0	0.0	0,0,0
485	0.02	0.09	0.03	112,111,117	0.0	0.0	0.0	0,0,0
486	0.02	0.28	0.02	112,110,117	0.0	0.0	0.0	0,0,0
487	0.05	0.29	0.06	112,112,117	0.0	0.0	0.0	0,0,0
488	0.04	0.12	0.05	112,99,117	0.0	0.0	0.0	0,0,0
489	0.06	0.26	0.07	112,110,117	0.0	0.0	0.0	0,0,0
490	0.06	0.15	0.07	112,112,117	0.0	0.0	0.0	0,0,0
491	0.05	0.12	0.06	112,99,117	0.0	0.0	0.0	0,0,0
492	0.07	0.18	0.08	112,99,117	0.0	0.0	0.0	0,0,0
493	0.07	0.22	0.08	112,100,117	0.0	0.0	0.0	0,0,0
494	0.05	0.12	0.06	112,112,117	0.0	0.0	0.0	0,0,0
495	0.05	0.10	0.06	112,110,117	0.0	0.0	0.0	0,0,0
496	0.08	0.47	0.09	112,112,117	0.0	0.0	0.0	0,0,0
497	0.04	0.11	0.05	112,112,117	0.0	0.0	0.0	0,0,0
498	0.04	0.05	0.05	112,110,117	0.0	0.0	0.0	0,0,0
499	0.06	0.11	0.07	112,112,117	0.0	0.0	0.0	0,0,0
500	0.04	0.06	0.05	112,110,117	0.0	0.0	0.0	0,0,0
501	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
502	0.07	0.37	0.08	112,112,117	0.0	0.0	0.0	0,0,0
503	0.04	0.07	0.04	112,112,117	0.0	0.0	0.0	0,0,0
504	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
505	0.05	0.15	0.05	112,112,117	0.0	0.0	0.0	0,0,0
506	0.04	0.03	0.04	112,108,117	0.0	0.0	0.0	0,0,0
507	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
508	0.06	0.30	0.06	112,110,117	0.0	0.0	0.0	0,0,0
509	0.04	0.05	0.04	112,110,117	0.0	0.0	0.0	0,0,0
510	0.03	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
511	0.06	0.09	0.07	112,109,117	0.0	0.0	0.0	0,0,0
512	0.04	0.04	0.04	112,110,117	0.0	0.0	0.0	0,0,0
513	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
514	0.06	0.36	0.07	112,110,117	0.0	0.0	0.0	0,0,0
515	0.04	0.04	0.04	112,99,117	0.0	0.0	0.0	0,0,0
516	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
517	0.07	0.13	0.08	112,109,117	0.0	0.0	0.0	0,0,0
518	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
519	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
520	0.07	0.12	0.08	112,108,117	0.0	0.0	0.0	0,0,0
521	0.05	0.04	0.05	112,108,117	0.0	0.0	0.0	0,0,0
522	0.03	0.02	0.04	112,109,117	0.0	0.0	0.0	0,0,0

523	0.09	0.20	0.11	112,108,117	0.0	0.0	0.0	0,0,0
524	0.05	0.07	0.06	112,112,117	0.0	0.0	0.0	0,0,0
525	0.03	0.04	0.04	110,109,117	0.0	0.0	0.0	0,0,0
526	0.09	0.29	0.11	110,99,117	0.0	0.0	0.0	0,0,0
527	0.05	0.08	0.06	112,108,117	0.0	0.0	0.0	0,0,0
528	0.04	0.04	0.05	112,109,117	0.0	0.0	0.0	0,0,0
529	0.10	0.23	0.13	112,112,117	0.0	0.0	0.0	0,0,0
530	0.05	0.08	0.06	110,109,117	0.0	0.0	0.0	0,0,0
531	0.05	0.03	0.06	112,109,117	0.0	0.0	0.0	0,0,0
532	0.18	0.48	0.23	99,100,117	0.0	0.0	0.0	0,0,0
533	0.07	0.07	0.09	110,111,117	0.0	0.0	0.0	0,0,0
534	0.06	0.11	0.06	111,109,117	0.0	0.0	0.0	0,0,0
535	0.20	0.57	0.25	110,99,117	0.0	0.0	0.0	0,0,0
536	0.07	0.15	0.09	111,111,117	0.0	0.0	0.0	0,0,0
537	0.07	0.12	0.09	111,111,117	0.0	0.0	0.0	0,0,0
538	0.19	0.34	0.24	99,99,117	0.0	0.0	0.0	0,0,0
539	0.08	0.14	0.10	100,112,117	0.0	0.0	0.0	0,0,0
540	0.05	0.08	0.06	109,108,117	0.0	0.0	0.0	0,0,0
541	0.14	0.34	0.18	99,109,117	0.0	0.0	0.0	0,0,0
542	0.08	0.20	0.10	100,110,117	0.0	0.0	0.0	0,0,0
543	0.06	0.18	0.08	100,108,117	0.0	0.0	0.0	0,0,0
544	0.10	0.33	0.13	99,109,117	0.0	0.0	0.0	0,0,0
545	0.07	0.21	0.09	99,110,117	0.0	0.0	0.0	0,0,0
546	0.06	0.19	0.07	100,108,117	0.0	0.0	0.0	0,0,0
547	0.07	0.27	0.09	99,109,117	0.0	0.0	0.0	0,0,0
548	0.05	0.20	0.07	99,110,117	0.0	0.0	0.0	0,0,0
549	0.05	0.17	0.06	104,112,117	0.0	0.0	0.0	0,0,0
550	0.07	0.30	0.09	103,109,117	0.0	0.0	0.0	0,0,0
551	0.05	0.18	0.06	109,110,117	0.0	0.0	0.0	0,0,0
552	0.04	0.11	0.04	104,108,117	0.0	0.0	0.0	0,0,0
553	0.05	0.23	0.06	109,109,117	0.0	0.0	0.0	0,0,0
554	0.04	0.15	0.05	103,109,117	0.0	0.0	0.0	0,0,0
555	0.04	0.16	0.05	106,106,117	0.0	0.0	0.0	0,0,0
556	0.06	0.18	0.07	103,103,117	0.0	0.0	0.0	0,0,0
557	0.04	0.13	0.04	103,103,117	0.0	0.0	0.0	0,0,0
558	0.05	0.04	0.05	103,106,117	0.0	0.0	0.0	0,0,0
559	0.07	0.25	0.08	109,109,117	0.0	0.0	0.0	0,0,0
560	0.03	0.17	0.04	103,103,117	0.0	0.0	0.0	0,0,0
561	0.06	0.15	0.07	109,103,117	0.0	0.0	0.0	0,0,0
562	0.03	0.12	0.04	103,110,117	0.0	0.0	0.0	0,0,0
563	0.03	0.12	0.03	103,110,117	0.0	0.0	0.0	0,0,0
564	0.05	0.18	0.05	103,112,117	0.0	0.0	0.0	0,0,0
565	0.04	0.14	0.05	101,106,117	0.0	0.0	0.0	0,0,0
566	0.03	0.10	0.03	103,110,117	0.0	0.0	0.0	0,0,0
567	0.05	0.11	0.05	103,100,117	0.0	0.0	0.0	0,0,0
568	0.04	0.09	0.04	103,103,117	0.0	0.0	0.0	0,0,0
569	0.03	0.08	0.04	103,110,117	0.0	0.0	0.0	0,0,0
570	0.04	0.09	0.04	103,110,117	0.0	0.0	0.0	0,0,0
571	0.06	0.09	0.07	103,103,117	0.0	0.0	0.0	0,0,0
572	0.03	0.12	0.04	103,109,117	0.0	0.0	0.0	0,0,0
573	0.05	0.17	0.05	109,111,117	0.0	0.0	0.0	0,0,0
574	0.05	0.23	0.06	103,110,117	0.0	0.0	0.0	0,0,0
575	0.03	0.13	0.03	103,103,117	0.0	0.0	0.0	0,0,0
576	0.05	0.09	0.05	110,112,117	0.0	0.0	0.0	0,0,0
577	0.05	0.17	0.04	103,105,117	0.0	0.0	0.0	0,0,0
578	0.03	0.12	0.03	103,103,117	0.0	0.0	0.0	0,0,0
579	0.04	0.07	0.04	109,111,117	0.0	0.0	0.0	0,0,0
580	0.06	0.39	0.07	110,110,117	0.0	0.0	0.0	0,0,0
581	0.04	0.10	0.04	103,109,117	0.0	0.0	0.0	0,0,0
582	0.05	0.13	0.06	110,99,117	0.0	0.0	0.0	0,0,0
583	0.06	0.13	0.07	103,103,117	0.0	0.0	0.0	0,0,0
584	0.03	0.07	0.04	103,103,117	0.0	0.0	0.0	0,0,0
585	0.04	0.05	0.04	103,109,117	0.0	0.0	0.0	0,0,0
586	0.07	0.22	0.08	110,110,117	0.0	0.0	0.0	0,0,0
587	0.04	0.14	0.04	103,110,117	0.0	0.0	0.0	0,0,0
588	0.03	0.10	0.03	105,105,117	0.0	0.0	0.0	0,0,0
589	0.06	0.22	0.07	103,110,117	0.0	0.0	0.0	0,0,0
590	0.04	0.17	0.05	103,110,117	0.0	0.0	0.0	0,0,0
591	0.03	0.08	0.03	104,110,117	0.0	0.0	0.0	0,0,0
592	0.06	0.25	0.07	110,103,117	0.0	0.0	0.0	0,0,0
593	0.05	0.18	0.06	110,103,117	0.0	0.0	0.0	0,0,0
594	0.04	0.10	0.05	104,107,117	0.0	0.0	0.0	0,0,0
595	0.09	0.27	0.11	103,103,117	0.0	0.0	0.0	0,0,0
596	0.06	0.18	0.07	99,103,117	0.0	0.0	0.0	0,0,0
597	0.05	0.14	0.06	104,107,117	0.0	0.0	0.0	0,0,0
598	0.09	0.22	0.11	110,110,117	0.0	0.0	0.0	0,0,0
599	0.06	0.16	0.08	99,105,117	0.0	0.0	0.0	0,0,0

600	0.05	0.13	0.07	104,107,117	0.0	0.0	0.0	0,0,0
601	0.04	0.16	0.04	103,105,117	0.0	0.0	0.0	0,0,0
602	0.03	0.14	0.03	103,109,117	0.0	0.0	0.0	0,0,0
603	0.05	0.13	0.05	105,111,117	0.0	0.0	0.0	0,0,0
604	0.04	0.15	0.04	103,105,117	0.0	0.0	0.0	0,0,0
605	0.03	0.14	0.03	103,109,117	0.0	0.0	0.0	0,0,0
606	0.02	0.13	0.02	109,109,117	0.0	0.0	0.0	0,0,0
607	0.04	0.18	0.05	109,105,117	0.0	0.0	0.0	0,0,0
608	0.02	0.13	0.02	103,109,117	0.0	0.0	0.0	0,0,0
609	0.01	0.23	0.02	103,109,117	0.0	0.0	0.0	0,0,0
610	0.04	0.07	0.05	103,105,117	0.0	0.0	0.0	0,0,0
611	0.03	0.11	0.03	103,109,117	0.0	0.0	0.0	0,0,0
612	0.02	0.26	0.02	103,109,117	0.0	0.0	0.0	0,0,0
613	0.06	0.18	0.07	103,99,117	0.0	0.0	0.0	0,0,0
614	0.03	0.11	0.04	110,109,117	0.0	0.0	0.0	0,0,0
615	0.05	0.20	0.05	110,109,117	0.0	0.0	0.0	0,0,0
616	0.05	0.29	0.07	103,109,117	0.0	0.0	0.0	0,0,0
617	0.03	0.11	0.04	109,109,117	0.0	0.0	0.0	0,0,0
618	0.04	0.29	0.04	109,109,117	0.0	0.0	0.0	0,0,0
619	0.05	0.27	0.06	103,103,117	0.0	0.0	0.0	0,0,0
620	0.02	0.09	0.02	103,109,117	0.0	0.0	0.0	0,0,0
621	0.01	0.26	0.01	103,99,117	0.0	0.0	0.0	0,0,0
622	0.05	0.11	0.06	103,110,117	0.0	0.0	0.0	0,0,0
623	0.02	0.12	0.02	103,103,117	0.0	0.0	0.0	0,0,0
624	0.01	0.26	0.01	103,103,117	0.0	0.0	0.0	0,0,0
625	0.04	0.15	0.04	103,103,117	0.0	0.0	0.0	0,0,0
626	0.02	0.15	0.03	103,103,117	0.0	0.0	0.0	0,0,0
627	0.02	0.18	0.02	110,109,117	0.0	0.0	0.0	0,0,0
628	0.04	0.17	0.04	103,103,117	0.0	0.0	0.0	0,0,0
629	0.03	0.14	0.03	110,103,117	0.0	0.0	0.0	0,0,0
630	0.05	0.14	0.05	110,110,117	0.0	0.0	0.0	0,0,0
631	0.04	0.15	0.04	103,101,117	0.0	0.0	0.0	0,0,0
632	0.02	0.07	0.02	103,106,117	0.0	0.0	0.0	0,0,0
633	0.04	0.20	0.05	109,109,117	0.0	0.0	0.0	0,0,0
634	0.04	0.16	0.04	110,101,117	0.0	0.0	0.0	0,0,0
635	0.02	0.10	0.02	103,103,117	0.0	0.0	0.0	0,0,0
636	0.02	0.05	0.02	103,103,117	0.0	0.0	0.0	0,0,0
637	0.03	0.17	0.03	103,103,117	0.0	0.0	0.0	0,0,0
638	0.02	0.11	0.02	103,103,117	0.0	0.0	0.0	0,0,0
639	0.01	0.06	0.01	103,103,117	0.0	0.0	0.0	0,0,0
640	0.03	0.14	0.03	103,103,117	0.0	0.0	0.0	0,0,0
641	0.03	0.11	0.03	103,103,117	0.0	0.0	0.0	0,0,0
642	0.02	0.07	0.02	103,109,117	0.0	0.0	0.0	0,0,0
643	0.04	0.11	0.03	103,101,117	0.0	0.0	0.0	0,0,0
644	0.03	0.08	0.03	103,109,117	0.0	0.0	0.0	0,0,0
645	0.04	0.08	0.03	106,106,117	0.0	0.0	0.0	0,0,0
646	0.05	0.18	0.05	103,103,117	0.0	0.0	0.0	0,0,0
647	0.03	0.16	0.04	109,103,117	0.0	0.0	0.0	0,0,0
648	0.06	0.18	0.07	109,110,117	0.0	0.0	0.0	0,0,0
649	0.06	0.14	0.07	103,103,117	0.0	0.0	0.0	0,0,0
650	0.03	0.14	0.03	109,103,117	0.0	0.0	0.0	0,0,0
651	0.02	0.27	0.03	109,110,117	0.0	0.0	0.0	0,0,0
652	0.06	0.25	0.07	109,103,117	0.0	0.0	0.0	0,0,0
653	0.02	0.10	0.02	103,103,117	0.0	0.0	0.0	0,0,0
654	0.01	0.30	0.02	109,110,117	0.0	0.0	0.0	0,0,0
655	0.05	0.25	0.06	110,110,117	0.0	0.0	0.0	0,0,0
656	0.02	0.11	0.02	103,112,117	0.0	0.0	0.0	0,0,0
657	0.01	0.30	0.01	103,110,117	0.0	0.0	0.0	0,0,0
658	0.05	0.11	0.06	103,106,117	0.0	0.0	0.0	0,0,0
659	0.03	0.13	0.03	103,110,117	0.0	0.0	0.0	0,0,0
660	0.04	0.28	0.04	106,110,117	0.0	0.0	0.0	0,0,0
661	0.06	0.32	0.08	111,111,117	0.0	0.0	0.0	0,0,0
662	0.06	0.32	0.07	100,111,117	0.0	0.0	0.0	0,0,0
663	0.10	0.32	0.12	100,111,117	0.0	0.0	0.0	0,0,0
664	0.05	0.34	0.07	111,111,117	0.0	0.0	0.0	0,0,0
665	0.03	0.32	0.04	100,111,117	0.0	0.0	0.0	0,0,0
666	0.02	0.64	0.02	112,111,117	0.0	0.0	0.0	0,0,0
667	0.04	0.18	0.06	111,111,117	0.0	0.0	0.0	0,0,0
668	0.02	0.33	0.03	100,111,117	0.0	0.0	0.0	0,0,0
669	0.01	0.74	0.01	109,111,117	0.0	0.0	0.0	0,0,0
670	0.04	0.19	0.05	109,103,117	0.0	0.0	0.0	0,0,0
671	0.03	0.32	0.03	109,111,117	0.0	0.0	0.0	0,0,0
672	0.02	0.73	0.02	111,111,117	0.0	0.0	0.0	0,0,0
673	0.04	0.24	0.06	99,99,117	0.0	0.0	0.0	0,0,0
674	0.04	0.30	0.05	110,111,117	0.0	0.0	0.0	0,0,0
675	0.04	0.42	0.05	110,111,117	0.0	0.0	0.0	0,0,0
676	0.05	0.05	0.05	109,107,117	0.0	0.0	0.0	0,0,0

677	0.03	0.02	0.04	103,103,117	0.0	0.0	0.0	0,0,0
678	0.03	0.02	0.04	104,104,117	0.0	0.0	0.0	0,0,0
679	0.04	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
680	0.04	0.03	0.04	112,112,117	0.0	0.0	0.0	0,0,0
681	0.06	0.05	0.06	112,112,117	0.0	0.0	0.0	0,0,0
682	0.06	0.05	0.05	112,108,117	0.0	0.0	0.0	0,0,0
683	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
684	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
685	0.04	0.03	0.04	111,111,117	0.0	0.0	0.0	0,0,0
686	0.04	0.03	0.04	104,111,117	0.0	0.0	0.0	0,0,0
687	0.06	0.05	0.06	111,111,117	0.0	0.0	0.0	0,0,0
688	0.07	0.05	0.06	111,111,117	0.0	0.0	0.0	0,0,0
689	0.05	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
690	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
691	0.04	0.03	0.05	104,104,117	0.0	0.0	0.0	0,0,0
692	0.05	0.03	0.05	104,104,117	0.0	0.0	0.0	0,0,0
693	0.07	0.05	0.06	108,110,117	0.0	0.0	0.0	0,0,0
694	0.05	0.03	0.04	106,108,117	0.0	0.0	0.0	0,0,0
695	0.04	0.03	0.04	104,104,117	0.0	0.0	0.0	0,0,0
696	0.04	0.03	0.05	104,104,117	0.0	0.0	0.0	0,0,0
697	0.05	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
698	0.05	0.04	0.05	111,111,117	0.0	0.0	0.0	0,0,0
699	0.08	0.07	0.08	111,111,117	0.0	0.0	0.0	0,0,0
700	0.07	0.06	0.06	103,111,117	0.0	0.0	0.0	0,0,0
701	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
702	0.04	0.03	0.05	112,109,117	0.0	0.0	0.0	0,0,0
703	0.05	0.03	0.06	104,104,117	0.0	0.0	0.0	0,0,0
704	0.06	0.04	0.06	104,104,117	0.0	0.0	0.0	0,0,0
705	0.07	0.06	0.07	108,110,117	0.0	0.0	0.0	0,0,0
706	0.06	0.04	0.06	106,106,117	0.0	0.0	0.0	0,0,0
707	0.05	0.03	0.05	108,108,117	0.0	0.0	0.0	0,0,0
708	0.04	0.03	0.06	112,112,117	0.0	0.0	0.0	0,0,0
709	0.05	0.04	0.06	104,104,117	0.0	0.0	0.0	0,0,0
710	0.06	0.04	0.06	111,111,117	0.0	0.0	0.0	0,0,0
711	0.09	0.08	0.09	111,111,117	0.0	0.0	0.0	0,0,0
712	0.08	0.08	0.09	109,109,117	0.0	0.0	0.0	0,0,0
713	0.06	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
714	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
715	0.04	0.03	0.05	104,104,117	0.0	0.0	0.0	0,0,0
716	0.05	0.03	0.05	104,104,117	0.0	0.0	0.0	0,0,0
717	0.05	0.05	0.05	108,108,117	0.0	0.0	0.0	0,0,0
718	0.05	0.06	0.06	103,106,117	0.0	0.0	0.0	0,0,0
719	0.05	0.03	0.05	103,103,117	0.0	0.0	0.0	0,0,0
720	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
721	0.04	0.03	0.05	104,104,117	0.0	0.0	0.0	0,0,0
722	0.05	0.04	0.06	111,111,117	0.0	0.0	0.0	0,0,0
723	0.07	0.07	0.08	111,111,117	0.0	0.0	0.0	0,0,0
724	0.07	0.05	0.07	109,108,117	0.0	0.0	0.0	0,0,0
725	0.04	0.04	0.05	109,111,117	0.0	0.0	0.0	0,0,0
726	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
727	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
728	0.04	0.03	0.04	112,111,117	0.0	0.0	0.0	0,0,0
729	0.04	0.08	0.04	108,111,117	0.0	0.0	0.0	0,0,0
730	0.06	0.12	0.07	108,104,117	0.0	0.0	0.0	0,0,0
731	0.04	0.07	0.05	109,111,117	0.0	0.0	0.0	0,0,0
732	0.04	0.05	0.05	109,111,117	0.0	0.0	0.0	0,0,0
733	0.03	0.04	0.04	109,111,117	0.0	0.0	0.0	0,0,0
734	0.03	0.06	0.04	109,104,117	0.0	0.0	0.0	0,0,0
735	0.03	0.07	0.03	111,104,117	0.0	0.0	0.0	0,0,0
736	0.07	0.12	0.08	109,109,117	0.0	0.0	0.0	0,0,0
737	0.04	0.05	0.05	109,111,117	0.0	0.0	0.0	0,0,0
738	0.04	0.04	0.04	109,111,117	0.0	0.0	0.0	0,0,0
739	0.03	0.05	0.04	109,111,117	0.0	0.0	0.0	0,0,0
740	0.03	0.06	0.04	99,111,117	0.0	0.0	0.0	0,0,0
741	0.03	0.07	0.03	111,111,117	0.0	0.0	0.0	0,0,0
742	0.06	0.06	0.07	109,111,117	0.0	0.0	0.0	0,0,0
743	0.04	0.05	0.05	109,111,117	0.0	0.0	0.0	0,0,0
744	0.03	0.03	0.04	109,111,117	0.0	0.0	0.0	0,0,0
745	0.03	0.03	0.04	99,104,117	0.0	0.0	0.0	0,0,0
746	0.03	0.04	0.04	112,111,117	0.0	0.0	0.0	0,0,0
747	0.03	0.05	0.03	112,111,117	0.0	0.0	0.0	0,0,0
748	0.05	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
749	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
750	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
751	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
752	0.03	0.02	0.04	112,104,117	0.0	0.0	0.0	0,0,0
753	0.03	0.03	0.03	112,104,117	0.0	0.0	0.0	0,0,0

754	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
755	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
756	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
757	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
758	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
759	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
760	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
761	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
762	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
763	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
764	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
765	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
766	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
767	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
768	0.03	0.02	0.04	109,99,117	0.0	0.0	0.0	0,0,0
769	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
770	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
771	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
772	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
773	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
774	0.03	0.02	0.04	109,99,117	0.0	0.0	0.0	0,0,0
775	0.03	0.02	0.04	110,99,117	0.0	0.0	0.0	0,0,0
776	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
777	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
778	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
779	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
780	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
781	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
782	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
783	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
784	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
785	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
786	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
787	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
788	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
789	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
790	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
791	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
792	0.04	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
793	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
794	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
795	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
796	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
797	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
798	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
799	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
800	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
801	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
802	0.06	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
803	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
804	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
805	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
806	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
807	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
808	0.06	0.04	0.07	109,109,117	0.0	0.0	0.0	0,0,0
809	0.05	0.04	0.07	109,109,117	0.0	0.0	0.0	0,0,0
810	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
811	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
812	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
813	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
814	0.08	0.05	0.09	111,111,117	0.0	0.0	0.0	0,0,0
815	0.06	0.04	0.08	111,111,117	0.0	0.0	0.0	0,0,0
816	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
817	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
818	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
819	0.06	0.04	0.07	109,109,117	0.0	0.0	0.0	0,0,0
820	0.12	0.08	0.14	111,111,117	0.0	0.0	0.0	0,0,0
821	0.07	0.05	0.08	111,111,117	0.0	0.0	0.0	0,0,0
822	0.05	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
823	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
824	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
825	0.06	0.04	0.07	109,109,117	0.0	0.0	0.0	0,0,0
826	0.04	0.03	0.04	105,105,117	0.0	0.0	0.0	0,0,0
827	0.04	0.02	0.04	103,103,117	0.0	0.0	0.0	0,0,0
828	0.03	0.02	0.04	104,104,117	0.0	0.0	0.0	0,0,0
829	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
830	0.04	0.03	0.04	112,112,117	0.0	0.0	0.0	0,0,0

831	0.06	0.06	0.06	112,112,117	0.0	0.0	0.0	0,0,0
832	0.07	0.05	0.06	110,110,117	0.0	0.0	0.0	0,0,0
833	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
834	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
835	0.04	0.02	0.04	104,104,117	0.0	0.0	0.0	0,0,0
836	0.04	0.03	0.04	104,104,117	0.0	0.0	0.0	0,0,0
837	0.05	0.03	0.04	107,107,117	0.0	0.0	0.0	0,0,0
838	0.06	0.13	0.07	111,104,117	0.0	0.0	0.0	0,0,0
839	0.03	0.08	0.04	111,112,117	0.0	0.0	0.0	0,0,0
840	0.03	0.06	0.04	110,112,117	0.0	0.0	0.0	0,0,0
841	0.03	0.06	0.03	110,112,117	0.0	0.0	0.0	0,0,0
842	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
843	0.03	0.08	0.03	112,112,117	0.0	0.0	0.0	0,0,0
844	0.04	0.04	0.05	111,107,117	0.0	0.0	0.0	0,0,0
845	0.03	0.04	0.04	111,104,117	0.0	0.0	0.0	0,0,0
846	0.03	0.04	0.04	110,112,117	0.0	0.0	0.0	0,0,0
847	0.03	0.04	0.04	110,112,117	0.0	0.0	0.0	0,0,0
848	0.03	0.05	0.03	111,112,117	0.0	0.0	0.0	0,0,0
849	0.02	0.06	0.03	112,112,117	0.0	0.0	0.0	0,0,0
850	0.07	0.07	0.07	110,110,117	0.0	0.0	0.0	0,0,0
851	0.03	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
852	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
853	0.03	0.02	0.04	100,111,117	0.0	0.0	0.0	0,0,0
854	0.03	0.02	0.04	111,112,117	0.0	0.0	0.0	0,0,0
855	0.04	0.05	0.04	107,112,117	0.0	0.0	0.0	0,0,0
856	0.06	0.10	0.08	100,110,117	0.0	0.0	0.0	0,0,0
857	0.04	0.05	0.05	110,104,117	0.0	0.0	0.0	0,0,0
858	0.03	0.05	0.04	110,112,117	0.0	0.0	0.0	0,0,0
859	0.03	0.06	0.03	110,112,117	0.0	0.0	0.0	0,0,0
860	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
861	0.03	0.08	0.03	112,112,117	0.0	0.0	0.0	0,0,0
862	0.05	0.06	0.07	110,112,117	0.0	0.0	0.0	0,0,0
863	0.04	0.05	0.05	110,112,117	0.0	0.0	0.0	0,0,0
864	0.03	0.04	0.04	110,112,117	0.0	0.0	0.0	0,0,0
865	0.03	0.04	0.04	110,112,117	0.0	0.0	0.0	0,0,0
866	0.03	0.05	0.03	100,112,117	0.0	0.0	0.0	0,0,0
867	0.03	0.05	0.03	112,112,117	0.0	0.0	0.0	0,0,0
868	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
869	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
870	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
871	0.03	0.02	0.04	99,104,117	0.0	0.0	0.0	0,0,0
872	0.03	0.03	0.03	100,104,117	0.0	0.0	0.0	0,0,0
873	0.03	0.03	0.03	111,104,117	0.0	0.0	0.0	0,0,0
874	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
875	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
876	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
877	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
878	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
879	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
880	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
881	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
882	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
883	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
884	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
885	0.03	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
886	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
887	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
888	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
889	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
890	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
891	0.03	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
892	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
893	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
894	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
895	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
896	0.03	0.02	0.04	111,109,117	0.0	0.0	0.0	0,0,0
897	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
898	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
899	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
900	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
901	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
902	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
903	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
904	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
905	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
906	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
907	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0

908	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
909	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
910	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
911	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
912	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
913	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
914	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
915	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
916	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
917	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
918	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
919	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
920	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
921	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
922	0.06	0.04	0.07	110,110,117	0.0	0.0	0.0	0,0,0
923	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
924	0.04	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
925	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
926	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
927	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
928	0.07	0.04	0.08	110,110,117	0.0	0.0	0.0	0,0,0
929	0.06	0.04	0.07	110,110,117	0.0	0.0	0.0	0,0,0
930	0.05	0.03	0.06	99,100,117	0.0	0.0	0.0	0,0,0
931	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
932	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
933	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
934	0.08	0.05	0.09	112,112,117	0.0	0.0	0.0	0,0,0
935	0.07	0.04	0.08	112,112,117	0.0	0.0	0.0	0,0,0
936	0.05	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
937	0.05	0.03	0.06	111,111,117	0.0	0.0	0.0	0,0,0
938	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
939	0.06	0.04	0.07	110,110,117	0.0	0.0	0.0	0,0,0
940	0.13	0.09	0.14	112,112,117	0.0	0.0	0.0	0,0,0
941	0.07	0.05	0.09	112,112,117	0.0	0.0	0.0	0,0,0
942	0.05	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
943	0.05	0.03	0.06	111,111,117	0.0	0.0	0.0	0,0,0
944	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
945	0.06	0.04	0.07	110,110,117	0.0	0.0	0.0	0,0,0
946	0.10	0.08	0.12	99,109,117	0.0	0.0	0.0	0,0,0
947	0.06	0.04	0.08	99,99,117	0.0	0.0	0.0	0,0,0
948	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
949	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
950	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
951	0.05	0.03	0.06	112,112,117	0.0	0.0	0.0	0,0,0
952	0.06	0.04	0.07	110,110,117	0.0	0.0	0.0	0,0,0
953	0.05	0.04	0.07	99,99,117	0.0	0.0	0.0	0,0,0
954	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
955	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
956	0.04	0.03	0.05	100,111,117	0.0	0.0	0.0	0,0,0
957	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
958	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
959	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
960	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
961	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
962	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
963	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
964	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
965	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
966	0.04	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
967	0.03	0.02	0.04	112,100,117	0.0	0.0	0.0	0,0,0
968	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
969	0.03	0.02	0.04	112,100,117	0.0	0.0	0.0	0,0,0
970	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
971	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
972	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
973	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
974	0.03	0.02	0.04	112,112,117	0.0	0.0	0.0	0,0,0
975	0.04	0.04	0.04	110,112,117	0.0	0.0	0.0	0,0,0
976	0.04	0.06	0.05	100,111,117	0.0	0.0	0.0	0,0,0
977	0.02	0.04	0.03	100,109,117	0.0	0.0	0.0	0,0,0
978	0.03	0.03	0.03	100,111,117	0.0	0.0	0.0	0,0,0
979	0.03	0.02	0.03	100,111,117	0.0	0.0	0.0	0,0,0
980	0.03	0.03	0.04	100,111,117	0.0	0.0	0.0	0,0,0
981	0.03	0.03	0.04	112,111,117	0.0	0.0	0.0	0,0,0
982	0.04	0.04	0.05	100,111,117	0.0	0.0	0.0	0,0,0
983	0.02	0.03	0.03	100,111,117	0.0	0.0	0.0	0,0,0
984	0.02	0.02	0.03	100,111,117	0.0	0.0	0.0	0,0,0

985	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
986	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
987	0.03	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
988	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
989	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
990	0.02	0.01	0.03	100,100,117	0.0	0.0	0.0	0,0,0
991	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
992	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
993	0.02	0.02	0.03	112,100,117	0.0	0.0	0.0	0,0,0
994	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
995	0.02	0.01	0.03	111,111,117	0.0	0.0	0.0	0,0,0
996	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
997	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
998	0.02	0.01	0.03	112,100,117	0.0	0.0	0.0	0,0,0
999	0.02	0.01	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1000	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1001	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1002	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1003	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1004	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1005	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1006	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1007	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1008	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1009	0.02	0.01	0.02	112,100,117	0.0	0.0	0.0	0,0,0
1010	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1011	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1012	0.02	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1013	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1014	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1015	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1016	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1017	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1018	0.02	0.03	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1019	0.02	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1020	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1021	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1022	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1023	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1024	0.02	0.04	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1025	0.02	0.03	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1026	0.02	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1027	0.02	0.01	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1028	0.01	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1029	0.01	9.38e-03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1030	0.02	0.05	0.03	110,112,117	0.0	0.0	0.0	0,0,0
1031	0.02	0.03	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1032	0.02	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1033	0.01	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1034	0.01	0.01	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1035	0.01	0.01	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1036	0.02	0.04	0.03	110,112,117	0.0	0.0	0.0	0,0,0
1037	0.02	0.03	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1038	0.02	0.02	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1039	0.01	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1040	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1041	0.01	0.01	0.01	112,110,117	0.0	0.0	0.0	0,0,0
1042	0.02	0.03	0.03	110,112,117	0.0	0.0	0.0	0,0,0
1043	0.02	0.03	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1044	0.02	0.02	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1045	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1046	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1047	0.01	0.01	0.01	112,110,117	0.0	0.0	0.0	0,0,0
1048	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1049	0.02	0.02	0.02	99,112,117	0.0	0.0	0.0	0,0,0
1050	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1051	0.01	9.78e-03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1052	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1053	0.01	0.02	0.01	112,112,117	0.0	0.0	0.0	0,0,0
1054	0.02	0.01	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1055	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1056	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1057	0.01	9.51e-03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1058	0.01	0.01	0.01	112,112,117	0.0	0.0	0.0	0,0,0
1059	0.01	0.02	0.01	112,112,117	0.0	0.0	0.0	0,0,0
1060	0.02	0.01	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1061	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0

1062	0.01	0.01	0.02	99,110,117	0.0	0.0	0.0	0,0,0
1063	0.01	9.23e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1064	0.01	0.01	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1065	0.01	0.02	0.01	112,112,117	0.0	0.0	0.0	0,0,0
1066	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1067	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1068	0.01	0.01	0.02	99,110,117	0.0	0.0	0.0	0,0,0
1069	0.01	8.97e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1070	0.01	0.01	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1071	9.99e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1072	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1073	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1074	0.01	9.76e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1075	0.01	8.76e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1076	0.01	9.97e-03	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1077	9.89e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1078	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1079	0.02	0.01	0.02	99,110,117	0.0	0.0	0.0	0,0,0
1080	0.01	9.57e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1081	0.01	8.63e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1082	0.01	0.01	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1083	9.85e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1084	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1085	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1086	0.01	9.55e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1087	0.01	8.61e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1088	0.01	0.01	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1089	9.86e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1090	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1091	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1092	0.01	9.69e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1093	0.01	8.68e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1094	0.01	0.01	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1095	9.92e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1096	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1097	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1098	0.01	9.95e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1099	0.01	8.83e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1100	0.01	0.01	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1101	0.01	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1102	0.02	0.02	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1103	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1104	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1105	0.01	9.01e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1106	0.01	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1107	0.01	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1108	0.02	0.02	0.03	110,106,117	0.0	0.0	0.0	0,0,0
1109	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1110	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1111	0.01	9.19e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1112	0.01	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1113	0.01	0.03	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1114	0.02	0.02	0.03	99,106,117	0.0	0.0	0.0	0,0,0
1115	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1116	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1117	0.01	9.30e-03	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1118	0.01	0.02	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1119	0.01	0.03	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1120	0.02	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1121	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1122	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1123	0.01	9.35e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1124	0.01	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1125	0.01	0.03	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1126	0.02	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1127	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1128	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1129	0.01	9.49e-03	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1130	0.01	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1131	0.01	0.03	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1132	0.02	0.02	0.03	99,105,117	0.0	0.0	0.0	0,0,0
1133	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1134	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1135	0.01	9.93e-03	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1136	0.01	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1137	0.01	0.03	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1138	0.02	0.02	0.03	109,105,117	0.0	0.0	0.0	0,0,0

1139	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1140	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1141	0.01	9.85e-03	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1142	0.01	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1143	0.01	0.03	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1144	0.02	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
1145	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1146	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1147	0.01	9.27e-03	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1148	0.01	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1149	0.01	0.03	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1150	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1151	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1152	0.01	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1153	0.01	8.94e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1154	0.01	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1155	0.01	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1156	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1157	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1158	0.01	9.80e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1159	0.01	8.79e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1160	0.01	0.01	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1161	0.01	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1162	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1163	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1164	0.01	9.65e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1165	0.01	8.70e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1166	0.01	0.01	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1167	9.97e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1168	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1169	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1170	0.01	9.65e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1171	0.01	8.72e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1172	0.01	0.01	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1173	9.95e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1174	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1175	0.02	0.01	0.02	99,109,117	0.0	0.0	0.0	0,0,0
1176	0.01	9.83e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1177	0.01	8.83e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1178	0.01	0.01	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1179	9.98e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1180	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1181	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1182	0.01	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1183	0.01	9.02e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1184	0.01	0.01	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1185	0.01	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1186	0.02	0.01	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1187	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1188	0.01	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1189	0.01	9.27e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1190	0.01	0.01	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1191	0.01	0.02	0.01	111,111,117	0.0	0.0	0.0	0,0,0
1192	0.02	0.01	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1193	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1194	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1195	0.01	9.53e-03	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1196	0.01	0.01	0.01	111,111,117	0.0	0.0	0.0	0,0,0
1197	0.01	0.02	0.01	111,111,117	0.0	0.0	0.0	0,0,0
1198	0.02	0.02	0.03	109,111,117	0.0	0.0	0.0	0,0,0
1199	0.02	0.02	0.02	99,111,117	0.0	0.0	0.0	0,0,0
1200	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1201	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1202	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1203	0.01	0.02	0.01	111,111,117	0.0	0.0	0.0	0,0,0
1204	0.02	0.04	0.03	109,111,117	0.0	0.0	0.0	0,0,0
1205	0.02	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1206	0.02	0.02	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1207	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1208	0.01	0.01	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1209	0.01	0.01	0.01	111,109,117	0.0	0.0	0.0	0,0,0
1210	0.02	0.05	0.03	109,109,117	0.0	0.0	0.0	0,0,0
1211	0.02	0.04	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1212	0.02	0.02	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1213	0.01	0.02	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1214	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1215	0.01	0.01	0.01	111,109,117	0.0	0.0	0.0	0,0,0

1216	0.02	0.05	0.03	109,111,117	0.0	0.0	0.0	0,0,0
1217	0.02	0.04	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1218	0.02	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1219	0.01	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1220	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1221	0.01	0.01	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1222	0.02	0.05	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1223	0.02	0.03	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1224	0.02	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1225	0.02	0.01	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1226	0.01	9.89e-03	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1227	0.01	9.30e-03	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1228	0.02	0.04	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1229	0.02	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1230	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1231	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1232	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1233	0.01	9.98e-03	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1234	0.02	0.03	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1235	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1236	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1237	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1238	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1239	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1240	0.01	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1241	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1242	0.02	0.01	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1243	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1244	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1245	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1246	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1247	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1248	0.02	0.01	0.02	99,100,117	0.0	0.0	0.0	0,0,0
1249	0.02	0.01	0.02	111,100,117	0.0	0.0	0.0	0,0,0
1250	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1251	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1252	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1253	0.02	0.01	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1254	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1255	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1256	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1257	0.02	0.01	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1258	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
1259	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
1260	0.02	0.01	0.03	100,100,117	0.0	0.0	0.0	0,0,0
1261	0.02	0.01	0.03	100,100,117	0.0	0.0	0.0	0,0,0
1262	0.02	0.02	0.03	111,100,117	0.0	0.0	0.0	0,0,0
1263	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1264	0.04	0.03	0.05	100,112,117	0.0	0.0	0.0	0,0,0
1265	0.02	0.03	0.03	100,112,117	0.0	0.0	0.0	0,0,0
1266	0.02	0.02	0.03	100,112,117	0.0	0.0	0.0	0,0,0
1267	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
1268	0.02	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
1269	0.02	0.02	0.03	111,100,117	0.0	0.0	0.0	0,0,0
1270	0.04	0.06	0.05	100,112,117	0.0	0.0	0.0	0,0,0
1271	0.02	0.04	0.03	100,110,117	0.0	0.0	0.0	0,0,0
1272	0.03	0.02	0.03	100,108,117	0.0	0.0	0.0	0,0,0
1273	0.03	0.02	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1274	0.03	0.02	0.04	111,112,117	0.0	0.0	0.0	0,0,0
1275	0.03	0.03	0.04	111,112,117	0.0	0.0	0.0	0,0,0
1276	0.03	0.10	0.03	108,109,117	0.0	0.0	0.0	0,0,0
1277	0.02	0.09	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1278	0.02	0.08	0.02	109,111,117	0.0	0.0	0.0	0,0,0
1279	0.02	0.08	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1280	0.02	0.08	0.03	112,111,117	0.0	0.0	0.0	0,0,0
1281	0.03	0.08	0.03	112,111,117	0.0	0.0	0.0	0,0,0
1282	0.03	0.05	0.03	108,109,117	0.0	0.0	0.0	0,0,0
1283	0.02	0.05	0.02	108,109,117	0.0	0.0	0.0	0,0,0
1284	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1285	0.02	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1286	0.02	0.05	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1287	0.02	0.05	0.02	110,100,117	0.0	0.0	0.0	0,0,0
1288	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1289	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1290	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1291	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1292	0.02	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0

1293	0.02	0.05	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1294	0.02	0.03	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1295	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1296	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1297	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1298	0.02	0.06	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1299	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1300	0.02	0.02	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1301	0.02	0.03	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1302	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1303	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1304	0.02	0.06	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1305	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1306	0.02	0.02	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1307	0.02	0.03	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1308	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1309	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1310	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1311	0.02	0.06	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1312	0.02	0.05	0.02	111,112,117	0.0	0.0	0.0	0,0,0
1313	0.02	0.03	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1314	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1315	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1316	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1317	0.02	0.06	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1318	0.02	0.06	0.02	111,112,117	0.0	0.0	0.0	0,0,0
1319	0.02	0.03	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1320	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1321	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1322	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1323	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1324	0.02	0.08	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1325	0.02	0.04	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1326	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1327	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1328	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1329	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1330	0.03	0.08	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1331	0.02	0.05	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1332	0.02	0.04	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1333	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1334	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1335	0.02	0.05	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1336	0.03	0.07	0.04	111,112,117	0.0	0.0	0.0	0,0,0
1337	0.02	0.04	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1338	0.02	0.04	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1339	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1340	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1341	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1342	0.03	0.05	0.04	111,112,117	0.0	0.0	0.0	0,0,0
1343	0.02	0.04	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1344	0.02	0.04	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1345	0.02	0.04	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1346	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1347	0.01	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1348	0.03	0.03	0.04	111,110,117	0.0	0.0	0.0	0,0,0
1349	0.02	0.03	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1350	0.02	0.03	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1351	0.02	0.03	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1352	0.02	0.03	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1353	0.01	0.04	0.02	111,100,117	0.0	0.0	0.0	0,0,0
1354	0.03	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1355	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1356	0.02	0.02	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1357	0.02	0.02	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1358	0.02	0.03	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1359	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1360	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1361	0.02	0.01	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1362	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1363	0.02	0.02	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1364	0.01	0.02	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1365	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1366	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1367	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1368	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1369	0.02	0.01	0.02	111,110,117	0.0	0.0	0.0	0,0,0

1370	0.01	0.02	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1371	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1372	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1373	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1374	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1375	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1376	0.01	0.02	0.02	111,110,117	0.0	0.0	0.0	0,0,0
1377	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1378	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1379	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1380	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1381	0.01	9.90e-03	0.02	111,100,117	0.0	0.0	0.0	0,0,0
1382	0.01	0.02	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1383	0.01	0.03	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1384	0.01	9.71e-03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1385	0.01	0.01	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1386	0.01	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1387	0.01	9.78e-03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1388	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1389	0.01	0.03	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1390	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1391	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1392	0.02	0.01	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1393	0.01	9.94e-03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1394	0.01	0.01	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1395	0.01	0.03	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1396	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1397	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1398	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1399	0.01	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1400	0.01	0.01	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1401	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1402	0.02	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
1403	0.02	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1404	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1405	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1406	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1407	0.01	0.03	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1408	0.02	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
1409	0.02	0.01	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1410	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1411	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1412	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1413	0.01	0.03	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1414	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1415	0.02	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1416	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1417	0.02	0.01	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1418	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1419	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1420	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
1421	0.02	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1422	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1423	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1424	0.01	0.02	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1425	0.01	0.02	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1426	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
1427	0.02	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1428	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1429	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1430	0.01	0.02	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1431	0.01	0.02	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1432	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1433	0.02	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1434	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1435	0.02	0.01	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1436	0.01	0.02	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1437	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1438	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
1439	0.02	0.01	0.03	99,99,117	0.0	0.0	0.0	0,0,0
1440	0.02	0.01	0.02	99,99,117	0.0	0.0	0.0	0,0,0
1441	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1442	0.01	0.02	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1443	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1444	0.02	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
1445	0.02	0.01	0.03	109,109,117	0.0	0.0	0.0	0,0,0
1446	0.02	0.01	0.02	100,111,117	0.0	0.0	0.0	0,0,0

1447	0.02	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1448	0.01	0.02	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1449	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1450	0.02	0.01	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1451	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1452	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1453	0.01	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1454	0.01	0.02	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1455	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1456	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1457	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1458	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1459	0.01	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1460	0.01	0.02	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1461	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1462	0.01	9.87e-03	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1463	0.01	0.01	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1464	0.01	0.01	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1465	0.01	9.86e-03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1466	0.01	0.02	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1467	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1468	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1469	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1470	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1471	0.01	9.93e-03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1472	0.01	0.02	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1473	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1474	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1475	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1476	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1477	0.01	0.01	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1478	0.01	0.02	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1479	0.01	0.03	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1480	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1481	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1482	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1483	0.02	0.01	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1484	0.01	0.02	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1485	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1486	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1487	0.02	0.01	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1488	0.02	0.01	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1489	0.02	0.02	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1490	0.01	0.02	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1491	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1492	0.03	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1493	0.02	0.02	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1494	0.02	0.02	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1495	0.02	0.03	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1496	0.02	0.03	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1497	0.01	0.03	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1498	0.03	0.04	0.04	112,109,117	0.0	0.0	0.0	0,0,0
1499	0.02	0.03	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1500	0.02	0.03	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1501	0.02	0.03	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1502	0.02	0.03	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1503	0.01	0.04	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1504	0.03	0.06	0.04	100,111,117	0.0	0.0	0.0	0,0,0
1505	0.02	0.04	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1506	0.02	0.04	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1507	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1508	0.02	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1509	0.01	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1510	0.03	0.07	0.03	100,111,117	0.0	0.0	0.0	0,0,0
1511	0.02	0.05	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1512	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1513	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1514	0.02	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1515	0.01	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1516	0.03	0.08	0.03	100,111,117	0.0	0.0	0.0	0,0,0
1517	0.02	0.05	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1518	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1519	0.02	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1520	0.02	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1521	0.02	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
1522	0.02	0.08	0.03	100,111,117	0.0	0.0	0.0	0,0,0
1523	0.02	0.05	0.02	112,109,117	0.0	0.0	0.0	0,0,0

1524	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1525	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1526	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1527	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1528	0.02	0.07	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1529	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1530	0.02	0.03	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1531	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1532	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1533	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1534	0.02	0.06	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1535	0.02	0.02	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1536	0.02	0.03	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1537	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1538	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1539	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1540	0.02	0.04	0.02	112,109,117	0.0	0.0	0.0	0,0,0
1541	0.02	0.02	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1542	0.02	0.03	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1543	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1544	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1545	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1546	0.01	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1547	0.02	0.03	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1548	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1549	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1550	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1551	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1552	0.02	0.02	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1553	0.02	0.03	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1554	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1555	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1556	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1557	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1558	0.02	0.03	0.02	107,110,117	0.0	0.0	0.0	0,0,0
1559	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1560	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1561	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1562	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1563	0.02	0.05	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1564	0.03	0.04	0.03	107,110,117	0.0	0.0	0.0	0,0,0
1565	0.02	0.05	0.02	107,110,117	0.0	0.0	0.0	0,0,0
1566	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1567	0.02	0.05	0.02	112,110,117	0.0	0.0	0.0	0,0,0
1568	0.02	0.05	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1569	0.02	0.05	0.02	109,100,117	0.0	0.0	0.0	0,0,0
1570	0.03	0.09	0.04	107,110,117	0.0	0.0	0.0	0,0,0
1571	0.02	0.08	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1572	0.02	0.07	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1573	0.02	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1574	0.02	0.07	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1575	0.03	0.07	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1576	0.05	0.03	0.06	111,100,117	0.0	0.0	0.0	0,0,0
1577	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1578	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
1579	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
1580	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
1581	0.05	0.05	0.04	110,110,117	0.0	0.0	0.0	0,0,0
1582	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1583	0.04	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1584	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1585	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1586	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1587	0.04	0.03	0.05	99,112,117	0.0	0.0	0.0	0,0,0
1588	0.05	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1589	0.05	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1590	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1591	0.04	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1592	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1593	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1594	0.07	0.05	0.09	100,100,117	0.0	0.0	0.0	0,0,0
1595	0.07	0.05	0.08	100,100,117	0.0	0.0	0.0	0,0,0
1596	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1597	0.05	0.04	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1598	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1599	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1600	0.15	0.15	0.18	100,100,117	0.0	0.0	0.0	0,0,0

1601	0.07	0.05	0.09	100,100,117	0.0	0.0	0.0	0,0,0
1602	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1603	0.05	0.04	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1604	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1605	0.05	0.04	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1606	0.08	0.06	0.10	110,110,117	0.0	0.0	0.0	0,0,0
1607	0.06	0.04	0.08	99,99,117	0.0	0.0	0.0	0,0,0
1608	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1609	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1610	0.06	0.04	0.07	112,112,117	0.0	0.0	0.0	0,0,0
1611	0.07	0.05	0.08	112,112,117	0.0	0.0	0.0	0,0,0
1612	0.05	0.04	0.07	112,112,117	0.0	0.0	0.0	0,0,0
1613	0.05	0.04	0.07	110,110,117	0.0	0.0	0.0	0,0,0
1614	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1615	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1616	0.05	0.03	0.06	100,112,117	0.0	0.0	0.0	0,0,0
1617	0.05	0.04	0.06	112,112,117	0.0	0.0	0.0	0,0,0
1618	0.05	0.03	0.06	112,112,117	0.0	0.0	0.0	0,0,0
1619	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1620	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1621	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1622	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1623	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1624	0.04	0.05	0.05	112,111,117	0.0	0.0	0.0	0,0,0
1625	0.04	0.04	0.04	112,111,117	0.0	0.0	0.0	0,0,0
1626	0.03	0.02	0.04	112,111,117	0.0	0.0	0.0	0,0,0
1627	0.03	0.03	0.04	112,110,117	0.0	0.0	0.0	0,0,0
1628	0.03	0.03	0.04	112,110,117	0.0	0.0	0.0	0,0,0
1629	0.03	0.03	0.04	112,110,117	0.0	0.0	0.0	0,0,0
1630	0.04	0.08	0.04	112,109,117	0.0	0.0	0.0	0,0,0
1631	0.03	0.05	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1632	0.03	0.05	0.03	112,109,117	0.0	0.0	0.0	0,0,0
1633	0.02	0.06	0.03	112,111,117	0.0	0.0	0.0	0,0,0
1634	0.02	0.06	0.03	112,111,117	0.0	0.0	0.0	0,0,0
1635	0.03	0.07	0.03	110,112,117	0.0	0.0	0.0	0,0,0
1636	0.05	0.03	0.06	112,100,117	0.0	0.0	0.0	0,0,0
1637	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1638	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
1639	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
1640	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
1641	0.05	0.05	0.04	109,109,117	0.0	0.0	0.0	0,0,0
1642	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1643	0.04	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1644	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1645	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1646	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1647	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1648	0.05	0.04	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1649	0.05	0.04	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1650	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1651	0.04	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1652	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1653	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1654	0.07	0.05	0.08	100,100,117	0.0	0.0	0.0	0,0,0
1655	0.06	0.05	0.08	100,100,117	0.0	0.0	0.0	0,0,0
1656	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1657	0.05	0.04	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1658	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1659	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1660	0.14	0.15	0.18	100,104,117	0.0	0.0	0.0	0,0,0
1661	0.07	0.05	0.09	100,100,117	0.0	0.0	0.0	0,0,0
1662	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1663	0.05	0.04	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1664	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1665	0.05	0.04	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1666	0.08	0.06	0.10	109,109,117	0.0	0.0	0.0	0,0,0
1667	0.06	0.04	0.08	99,99,117	0.0	0.0	0.0	0,0,0
1668	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1669	0.06	0.04	0.07	100,100,117	0.0	0.0	0.0	0,0,0
1670	0.06	0.04	0.07	111,111,117	0.0	0.0	0.0	0,0,0
1671	0.07	0.05	0.08	111,111,117	0.0	0.0	0.0	0,0,0
1672	0.05	0.04	0.06	111,111,117	0.0	0.0	0.0	0,0,0
1673	0.05	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
1674	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1675	0.05	0.03	0.06	100,100,117	0.0	0.0	0.0	0,0,0
1676	0.05	0.03	0.06	100,111,117	0.0	0.0	0.0	0,0,0
1677	0.05	0.04	0.06	111,111,117	0.0	0.0	0.0	0,0,0

1678	0.05	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1679	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1680	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1681	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1682	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1683	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1684	0.04	0.05	0.05	111,112,117	0.0	0.0	0.0	0,0,0
1685	0.04	0.04	0.04	111,112,117	0.0	0.0	0.0	0,0,0
1686	0.03	0.03	0.04	111,112,117	0.0	0.0	0.0	0,0,0
1687	0.03	0.03	0.04	111,109,117	0.0	0.0	0.0	0,0,0
1688	0.03	0.03	0.04	111,109,117	0.0	0.0	0.0	0,0,0
1689	0.03	0.03	0.04	100,109,117	0.0	0.0	0.0	0,0,0
1690	0.04	0.08	0.04	111,110,117	0.0	0.0	0.0	0,0,0
1691	0.03	0.05	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1692	0.03	0.05	0.03	111,110,117	0.0	0.0	0.0	0,0,0
1693	0.02	0.05	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1694	0.02	0.06	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1695	0.02	0.07	0.03	109,111,117	0.0	0.0	0.0	0,0,0
1696	0.09	0.08	0.11	109,110,117	0.0	0.0	0.0	0,0,0
1697	0.06	0.04	0.07	99,99,117	0.0	0.0	0.0	0,0,0
1698	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1699	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1700	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1701	0.05	0.03	0.06	111,111,117	0.0	0.0	0.0	0,0,0
1702	0.06	0.04	0.07	109,109,117	0.0	0.0	0.0	0,0,0
1703	0.05	0.04	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1704	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1705	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1706	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1707	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1708	0.04	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
1709	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1710	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1711	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1712	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1713	0.04	0.03	0.05	100,100,117	0.0	0.0	0.0	0,0,0
1714	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1715	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1716	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
1717	0.03	0.02	0.04	111,100,117	0.0	0.0	0.0	0,0,0
1718	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
1719	0.03	0.02	0.04	111,100,117	0.0	0.0	0.0	0,0,0
1720	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1721	0.03	0.02	0.04	99,99,117	0.0	0.0	0.0	0,0,0
1722	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
1723	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
1724	0.03	0.02	0.04	109,111,117	0.0	0.0	0.0	0,0,0
1725	0.04	0.04	0.04	109,111,117	0.0	0.0	0.0	0,0,0
1726	0.04	0.09	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1727	0.04	0.04	0.03	107,107,117	0.0	0.0	0.0	0,0,0
1728	0.04	0.06	0.04	112,108,117	0.0	0.0	0.0	0,0,0
1729	0.04	0.04	0.04	111,107,117	0.0	0.0	0.0	0,0,0
1730	0.05	0.06	0.04	112,108,117	0.0	0.0	0.0	0,0,0
1731	0.06	0.06	0.05	111,107,117	0.0	0.0	0.0	0,0,0
1732	0.05	0.07	0.05	104,108,117	0.0	0.0	0.0	0,0,0
1733	0.05	0.07	0.05	104,102,117	0.0	0.0	0.0	0,0,0
1734	0.04	0.06	0.03	108,108,117	0.0	0.0	0.0	0,0,0
1735	0.04	0.09	0.04	109,104,117	0.0	0.0	0.0	0,0,0
1736	0.03	0.15	0.03	104,111,117	0.0	0.0	0.0	0,0,0
1737	0.04	0.08	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1738	0.04	0.09	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1739	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1740	0.03	0.09	0.03	107,112,117	0.0	0.0	0.0	0,0,0
1741	0.04	0.09	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1742	0.03	0.06	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1743	0.02	0.04	0.03	110,104,117	0.0	0.0	0.0	0,0,0
1744	0.03	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
1745	0.03	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
1746	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
1747	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
1748	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
1749	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
1750	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
1751	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
1752	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
1753	0.06	0.04	0.06	110,110,117	0.0	0.0	0.0	0,0,0
1754	0.07	0.04	0.08	110,110,117	0.0	0.0	0.0	0,0,0

1755	0.12	0.11	0.14	110,110,117	0.0	0.0	0.0	0,0,0
1756	0.04	0.04	0.05	112,111,117	0.0	0.0	0.0	0,0,0
1757	0.03	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
1758	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1759	0.02	0.01	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1760	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1761	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1762	0.01	9.88e-03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1763	0.01	0.01	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1764	0.01	0.01	0.01	110,110,117	0.0	0.0	0.0	0,0,0
1765	0.01	0.01	0.01	110,99,117	0.0	0.0	0.0	0,0,0
1766	0.01	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1767	9.28e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1768	8.69e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1769	8.49e-03	0.02	0.01	110,112,117	0.0	0.0	0.0	0,0,0
1770	8.35e-03	0.03	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1771	8.26e-03	0.03	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1772	8.21e-03	0.03	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1773	8.19e-03	0.03	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1774	8.22e-03	0.04	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1775	8.29e-03	0.04	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1776	8.37e-03	0.04	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1777	8.46e-03	0.04	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1778	8.53e-03	0.04	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1779	8.58e-03	0.04	0.01	110,100,117	0.0	0.0	0.0	0,0,0
1780	8.64e-03	0.04	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1781	8.67e-03	0.04	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1782	8.66e-03	0.04	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1783	8.61e-03	0.04	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1784	8.54e-03	0.04	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1785	8.45e-03	0.04	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1786	8.36e-03	0.04	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1787	8.31e-03	0.04	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1788	8.28e-03	0.03	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1789	8.29e-03	0.03	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1790	8.33e-03	0.03	0.01	109,100,117	0.0	0.0	0.0	0,0,0
1791	8.41e-03	0.03	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1792	8.53e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1793	8.71e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1794	9.24e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1795	9.97e-03	0.02	0.01	109,111,117	0.0	0.0	0.0	0,0,0
1796	0.01	0.01	0.01	109,109,117	0.0	0.0	0.0	0,0,0
1797	0.01	0.01	0.01	109,109,117	0.0	0.0	0.0	0,0,0
1798	0.01	9.41e-03	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1799	0.01	9.82e-03	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1800	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1801	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1802	0.02	0.01	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1803	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1804	0.03	0.02	0.03	111,100,117	0.0	0.0	0.0	0,0,0
1805	0.04	0.03	0.04	109,112,117	0.0	0.0	0.0	0,0,0
1806	0.03	0.08	0.04	112,111,117	0.0	0.0	0.0	0,0,0
1807	0.02	0.06	0.02	110,100,117	0.0	0.0	0.0	0,0,0
1808	0.02	0.06	0.02	112,111,117	0.0	0.0	0.0	0,0,0
1809	0.02	0.06	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1810	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1811	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1812	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1813	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1814	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
1815	0.01	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1816	0.01	0.05	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1817	0.01	0.04	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1818	0.01	0.04	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1819	0.01	0.04	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1820	0.01	0.04	0.02	100,111,117	0.0	0.0	0.0	0,0,0
1821	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1822	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1823	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1824	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1825	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1826	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1827	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1828	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1829	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1830	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1831	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0

1832	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1833	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1834	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1835	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1836	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1837	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1838	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1839	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1840	0.01	0.04	0.01	100,100,117	0.0	0.0	0.0	0,0,0
1841	0.01	0.04	0.02	100,100,117	0.0	0.0	0.0	0,0,0
1842	0.01	0.04	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1843	0.01	0.04	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1844	0.01	0.04	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1845	0.01	0.05	0.02	100,99,117	0.0	0.0	0.0	0,0,0
1846	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1847	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1848	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1849	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1850	0.02	0.06	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1851	0.02	0.06	0.02	100,110,117	0.0	0.0	0.0	0,0,0
1852	0.02	0.06	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1853	0.02	0.05	0.02	100,112,117	0.0	0.0	0.0	0,0,0
1854	0.02	0.05	0.02	109,100,117	0.0	0.0	0.0	0,0,0
1855	0.03	0.07	0.03	111,112,117	0.0	0.0	0.0	0,0,0
1856	0.12	0.11	0.14	109,109,117	0.0	0.0	0.0	0,0,0
1857	0.07	0.04	0.08	109,109,117	0.0	0.0	0.0	0,0,0
1858	0.06	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
1859	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
1860	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
1861	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
1862	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
1863	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
1864	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
1865	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
1866	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
1867	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
1868	0.03	0.03	0.03	109,104,117	0.0	0.0	0.0	0,0,0
1869	0.03	0.06	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1870	0.04	0.09	0.03	111,111,117	0.0	0.0	0.0	0,0,0
1871	0.05	0.08	0.05	109,109,117	0.0	0.0	0.0	0,0,0
1872	0.03	0.03	0.04	111,109,117	0.0	0.0	0.0	0,0,0
1873	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1874	0.05	0.03	0.06	111,111,117	0.0	0.0	0.0	0,0,0
1875	0.11	0.10	0.13	111,111,117	0.0	0.0	0.0	0,0,0
1876	0.10	0.09	0.13	109,103,117	0.0	0.0	0.0	0,0,0
1877	0.05	0.03	0.06	109,99,117	0.0	0.0	0.0	0,0,0
1878	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1879	0.04	0.05	0.04	111,111,117	0.0	0.0	0.0	0,0,0
1880	0.06	0.09	0.06	109,109,117	0.0	0.0	0.0	0,0,0
1881	0.03	0.07	0.03	109,111,117	0.0	0.0	0.0	0,0,0
1882	0.03	0.04	0.03	111,109,117	0.0	0.0	0.0	0,0,0
1883	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
1884	0.05	0.04	0.07	111,111,117	0.0	0.0	0.0	0,0,0
1885	0.12	0.08	0.14	111,111,117	0.0	0.0	0.0	0,0,0
1886	0.06	0.08	0.05	110,110,117	0.0	0.0	0.0	0,0,0
1887	0.03	0.03	0.04	112,110,117	0.0	0.0	0.0	0,0,0
1888	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1889	0.05	0.03	0.06	112,112,117	0.0	0.0	0.0	0,0,0
1890	0.11	0.09	0.13	112,112,117	0.0	0.0	0.0	0,0,0
1891	0.10	0.09	0.13	110,103,117	0.0	0.0	0.0	0,0,0
1892	0.05	0.03	0.06	110,99,117	0.0	0.0	0.0	0,0,0
1893	0.04	0.03	0.05	99,99,117	0.0	0.0	0.0	0,0,0
1894	0.04	0.05	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1895	0.06	0.10	0.06	110,110,117	0.0	0.0	0.0	0,0,0
1896	0.03	0.08	0.03	110,112,117	0.0	0.0	0.0	0,0,0
1897	0.03	0.04	0.03	112,110,117	0.0	0.0	0.0	0,0,0
1898	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
1899	0.05	0.04	0.07	112,112,117	0.0	0.0	0.0	0,0,0
1900	0.12	0.08	0.14	112,112,117	0.0	0.0	0.0	0,0,0
1901	0.03	0.07	0.03	107,107,117	0.0	0.0	0.0	0,0,0
1902	0.01	0.11	0.01	112,110,117	0.0	0.0	0.0	0,0,0
1903	0.01	0.09	0.01	110,110,117	0.0	0.0	0.0	0,0,0
1904	0.02	0.06	0.02	110,102,117	0.0	0.0	0.0	0,0,0
1905	0.04	0.15	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1906	0.04	0.07	0.03	107,107,117	0.0	0.0	0.0	0,0,0
1907	0.02	0.06	0.01	102,108,117	0.0	0.0	0.0	0,0,0
1908	0.02	0.06	0.01	102,108,117	0.0	0.0	0.0	0,0,0

1909	0.02	0.05	0.02	102,102,117	0.0	0.0	0.0	0,0,0
1910	0.05	0.14	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1911	0.05	0.10	0.04	111,111,117	0.0	0.0	0.0	0,0,0
1912	0.02	0.06	0.02	102,108,117	0.0	0.0	0.0	0,0,0
1913	0.02	0.05	0.01	102,108,117	0.0	0.0	0.0	0,0,0
1914	0.02	0.05	0.02	102,108,117	0.0	0.0	0.0	0,0,0
1915	0.05	0.14	0.04	112,108,117	0.0	0.0	0.0	0,0,0
1916	0.06	0.14	0.06	111,111,117	0.0	0.0	0.0	0,0,0
1917	0.02	0.06	0.02	104,108,117	0.0	0.0	0.0	0,0,0
1918	0.02	0.05	0.01	102,102,117	0.0	0.0	0.0	0,0,0
1919	0.02	0.06	0.02	102,108,117	0.0	0.0	0.0	0,0,0
1920	0.04	0.13	0.04	112,108,117	0.0	0.0	0.0	0,0,0
1921	0.05	0.14	0.05	104,111,117	0.0	0.0	0.0	0,0,0
1922	0.02	0.07	0.01	104,102,117	0.0	0.0	0.0	0,0,0
1923	0.02	0.07	0.01	104,102,117	0.0	0.0	0.0	0,0,0
1924	0.02	0.08	0.01	102,102,117	0.0	0.0	0.0	0,0,0
1925	0.03	0.11	0.03	108,108,117	0.0	0.0	0.0	0,0,0
1926	0.04	0.15	0.04	109,111,117	0.0	0.0	0.0	0,0,0
1927	0.02	0.10	0.02	109,109,117	0.0	0.0	0.0	0,0,0
1928	0.01	0.14	0.01	111,109,117	0.0	0.0	0.0	0,0,0
1929	0.02	0.18	0.02	111,111,117	0.0	0.0	0.0	0,0,0
1930	0.03	0.12	0.03	102,111,117	0.0	0.0	0.0	0,0,0
1931	0.04	0.09	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1932	0.04	0.09	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1933	0.04	0.10	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1934	0.04	0.09	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1935	0.04	0.07	0.04	112,112,117	0.0	0.0	0.0	0,0,0
1936	0.06	0.12	0.07	109,109,117	0.0	0.0	0.0	0,0,0
1937	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1938	0.03	0.06	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1939	0.03	0.06	0.03	112,112,117	0.0	0.0	0.0	0,0,0
1940	0.03	0.05	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1941	0.02	0.03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1942	0.02	0.04	0.02	111,109,117	0.0	0.0	0.0	0,0,0
1943	0.02	0.06	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1944	0.02	0.04	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1945	0.02	0.03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1946	0.02	0.02	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1947	0.01	8.22e-03	0.01	104,102,117	0.0	0.0	0.0	0,0,0
1948	0.01	0.06	0.01	102,109,117	0.0	0.0	0.0	0,0,0
1949	0.02	0.04	0.02	112,112,117	0.0	0.0	0.0	0,0,0
1950	0.02	0.01	0.01	112,108,117	0.0	0.0	0.0	0,0,0
1951	0.01	7.87e-03	0.01	112,110,117	0.0	0.0	0.0	0,0,0
1952	0.01	7.42e-03	0.01	112,112,117	0.0	0.0	0.0	0,0,0
1953	0.01	0.02	0.01	104,111,117	0.0	0.0	0.0	0,0,0
1954	0.02	0.04	0.02	104,111,117	0.0	0.0	0.0	0,0,0
1955	0.01	0.02	0.01	112,110,117	0.0	0.0	0.0	0,0,0
1956	0.01	7.20e-03	0.01	110,110,117	0.0	0.0	0.0	0,0,0
1957	0.01	8.51e-03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
1958	0.01	0.01	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1959	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1960	0.02	0.04	0.02	104,109,117	0.0	0.0	0.0	0,0,0
1961	0.01	0.03	0.01	102,112,117	0.0	0.0	0.0	0,0,0
1962	0.01	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
1963	0.01	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1964	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1965	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
1966	0.02	0.04	0.02	104,111,117	0.0	0.0	0.0	0,0,0
1967	0.02	0.05	0.02	110,110,117	0.0	0.0	0.0	0,0,0
1968	0.02	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
1969	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1970	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1971	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
1972	0.02	0.05	0.02	104,109,117	0.0	0.0	0.0	0,0,0
1973	0.02	0.05	0.02	110,112,117	0.0	0.0	0.0	0,0,0
1974	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1975	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1976	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1977	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
1978	0.02	0.04	0.02	111,99,117	0.0	0.0	0.0	0,0,0
1979	0.02	0.02	0.01	102,101,117	0.0	0.0	0.0	0,0,0
1980	0.02	0.01	0.01	104,102,117	0.0	0.0	0.0	0,0,0
1981	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1982	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1983	0.02	0.03	0.01	104,100,117	0.0	0.0	0.0	0,0,0
1984	0.01	0.07	0.02	103,111,117	0.0	0.0	0.0	0,0,0
1985	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0

1986	0.02	0.01	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1987	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1988	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1989	0.02	0.04	0.02	104,109,117	0.0	0.0	0.0	0,0,0
1990	0.03	0.07	0.03	111,109,117	0.0	0.0	0.0	0,0,0
1991	0.02	0.03	0.01	102,102,117	0.0	0.0	0.0	0,0,0
1992	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1993	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1994	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1995	0.01	0.04	0.01	104,111,117	0.0	0.0	0.0	0,0,0
1996	0.02	0.12	0.02	103,111,117	0.0	0.0	0.0	0,0,0
1997	0.02	0.03	0.01	102,108,117	0.0	0.0	0.0	0,0,0
1998	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
1999	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2000	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2001	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2002	0.02	0.06	0.02	109,109,117	0.0	0.0	0.0	0,0,0
2003	0.02	0.03	0.02	102,108,117	0.0	0.0	0.0	0,0,0
2004	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2005	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2006	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2007	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2008	0.01	0.07	0.01	103,111,117	0.0	0.0	0.0	0,0,0
2009	0.02	0.02	0.02	102,102,117	0.0	0.0	0.0	0,0,0
2010	0.02	0.01	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2011	0.02	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2012	0.01	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2013	0.01	0.04	0.01	104,99,117	0.0	0.0	0.0	0,0,0
2014	0.01	0.06	0.01	101,103,117	0.0	0.0	0.0	0,0,0
2015	0.02	0.03	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2016	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2017	0.02	0.01	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2018	0.01	0.02	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2019	0.01	0.04	0.01	104,99,117	0.0	0.0	0.0	0,0,0
2020	0.01	0.06	0.01	101,103,117	0.0	0.0	0.0	0,0,0
2021	0.02	0.03	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2022	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2023	0.02	0.02	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2024	0.01	0.02	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2025	0.01	0.04	0.01	102,99,117	0.0	0.0	0.0	0,0,0
2026	0.01	0.06	0.01	101,99,117	0.0	0.0	0.0	0,0,0
2027	0.02	0.03	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2028	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2029	0.02	0.02	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2030	0.01	0.03	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2031	0.01	0.04	0.01	102,99,117	0.0	0.0	0.0	0,0,0
2032	0.01	0.06	0.01	101,99,117	0.0	0.0	0.0	0,0,0
2033	0.02	0.03	0.02	104,108,117	0.0	0.0	0.0	0,0,0
2034	0.02	0.02	0.01	102,108,117	0.0	0.0	0.0	0,0,0
2035	0.02	0.02	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2036	0.01	0.03	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2037	9.78e-03	0.04	0.01	102,99,117	0.0	0.0	0.0	0,0,0
2038	0.01	0.06	0.01	101,103,117	0.0	0.0	0.0	0,0,0
2039	0.02	0.03	0.02	104,102,117	0.0	0.0	0.0	0,0,0
2040	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2041	0.02	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2042	0.01	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2043	0.01	0.04	0.01	104,99,117	0.0	0.0	0.0	0,0,0
2044	0.01	0.06	0.01	103,99,117	0.0	0.0	0.0	0,0,0
2045	0.02	0.03	0.02	102,102,117	0.0	0.0	0.0	0,0,0
2046	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2047	0.02	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2048	0.01	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2049	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2050	0.01	0.05	0.01	101,99,117	0.0	0.0	0.0	0,0,0
2051	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2052	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2053	0.02	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2054	0.01	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2055	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2056	0.01	0.05	0.01	103,99,117	0.0	0.0	0.0	0,0,0
2057	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2058	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2059	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2060	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2061	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2062	0.01	0.06	0.01	103,112,117	0.0	0.0	0.0	0,0,0

2063	0.02	0.02	0.02	104,108,117	0.0	0.0	0.0	0,0,0
2064	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2065	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2066	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2067	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2068	0.01	0.05	0.02	103,99,117	0.0	0.0	0.0	0,0,0
2069	0.02	0.04	0.02	104,102,117	0.0	0.0	0.0	0,0,0
2070	0.02	0.03	0.01	104,102,117	0.0	0.0	0.0	0,0,0
2071	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2072	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2073	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2074	0.01	0.04	0.02	112,99,117	0.0	0.0	0.0	0,0,0
2075	0.02	0.04	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2076	0.02	0.03	0.01	104,102,117	0.0	0.0	0.0	0,0,0
2077	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2078	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2079	0.01	0.03	0.01	104,111,117	0.0	0.0	0.0	0,0,0
2080	0.01	0.04	0.01	103,99,117	0.0	0.0	0.0	0,0,0
2081	0.02	0.03	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2082	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2083	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2084	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2085	0.01	0.03	0.01	104,111,117	0.0	0.0	0.0	0,0,0
2086	0.01	0.09	0.01	103,112,117	0.0	0.0	0.0	0,0,0
2087	0.02	0.02	0.01	102,101,117	0.0	0.0	0.0	0,0,0
2088	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2089	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2090	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2091	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2092	0.02	0.04	0.02	112,110,117	0.0	0.0	0.0	0,0,0
2093	0.02	0.02	0.01	102,101,117	0.0	0.0	0.0	0,0,0
2094	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2095	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2096	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2097	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2098	0.01	0.05	0.02	104,112,117	0.0	0.0	0.0	0,0,0
2099	0.02	0.06	0.02	103,109,117	0.0	0.0	0.0	0,0,0
2100	0.02	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2101	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2102	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2103	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2104	0.02	0.03	0.02	104,112,117	0.0	0.0	0.0	0,0,0
2105	0.01	0.06	0.02	109,109,117	0.0	0.0	0.0	0,0,0
2106	0.01	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2107	0.01	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2108	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2109	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2110	0.02	0.04	0.02	104,110,117	0.0	0.0	0.0	0,0,0
2111	0.01	0.04	0.01	111,109,117	0.0	0.0	0.0	0,0,0
2112	0.01	0.01	0.01	111,109,117	0.0	0.0	0.0	0,0,0
2113	0.01	7.25e-03	0.01	102,111,117	0.0	0.0	0.0	0,0,0
2114	0.01	9.32e-03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2115	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2116	0.02	0.03	0.02	104,112,117	0.0	0.0	0.0	0,0,0
2117	0.02	0.04	0.02	111,107,117	0.0	0.0	0.0	0,0,0
2118	0.02	0.02	0.02	111,107,117	0.0	0.0	0.0	0,0,0
2119	0.01	9.01e-03	0.01	111,111,117	0.0	0.0	0.0	0,0,0
2120	0.01	7.99e-03	0.01	111,111,117	0.0	0.0	0.0	0,0,0
2121	0.01	0.01	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2122	0.02	0.06	0.01	104,110,117	0.0	0.0	0.0	0,0,0
2123	0.03	0.07	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2124	0.02	0.04	0.02	111,107,117	0.0	0.0	0.0	0,0,0
2125	0.02	0.03	0.02	111,107,117	0.0	0.0	0.0	0,0,0
2126	0.02	0.02	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2127	0.01	9.85e-03	0.01	104,102,117	0.0	0.0	0.0	0,0,0
2128	0.02	0.02	0.02	112,102,117	0.0	0.0	0.0	0,0,0
2129	0.02	0.04	0.02	103,108,117	0.0	0.0	0.0	0,0,0
2130	0.02	0.02	0.01	104,102,117	0.0	0.0	0.0	0,0,0
2131	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2132	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2133	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2134	0.02	0.03	0.02	112,100,117	0.0	0.0	0.0	0,0,0
2135	0.02	0.04	0.02	103,108,117	0.0	0.0	0.0	0,0,0
2136	0.02	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2137	0.02	0.02	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2138	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2139	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0

2140	0.02	0.03	0.02	104,100,117	0.0	0.0	0.0	0,0,0
2141	0.03	0.02	0.02	104,108,117	0.0	0.0	0.0	0,0,0
2142	0.02	0.02	0.02	102,108,117	0.0	0.0	0.0	0,0,0
2143	0.02	0.02	0.01	102,112,117	0.0	0.0	0.0	0,0,0
2144	0.01	0.03	0.01	102,100,117	0.0	0.0	0.0	0,0,0
2145	9.86e-03	0.04	9.95e-03	102,99,117	0.0	0.0	0.0	0,0,0
2146	0.01	0.06	0.01	101,99,117	0.0	0.0	0.0	0,0,0
2147	0.02	0.02	0.02	104,102,117	0.0	0.0	0.0	0,0,0
2148	0.02	0.02	0.02	104,102,117	0.0	0.0	0.0	0,0,0
2149	0.02	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2150	0.01	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2151	9.77e-03	0.04	0.01	102,99,117	0.0	0.0	0.0	0,0,0
2152	0.01	0.06	0.01	101,99,117	0.0	0.0	0.0	0,0,0
2153	0.02	0.03	0.02	104,102,117	0.0	0.0	0.0	0,0,0
2154	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2155	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2156	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2157	0.01	0.04	0.02	104,100,117	0.0	0.0	0.0	0,0,0
2158	0.02	0.11	0.02	110,112,117	0.0	0.0	0.0	0,0,0
2159	0.02	0.03	0.02	104,102,117	0.0	0.0	0.0	0,0,0
2160	0.02	0.03	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2161	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2162	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2163	0.02	0.04	0.02	104,100,117	0.0	0.0	0.0	0,0,0
2164	0.03	0.06	0.03	112,110,117	0.0	0.0	0.0	0,0,0
2165	0.02	0.03	0.02	104,108,117	0.0	0.0	0.0	0,0,0
2166	0.02	0.02	0.01	102,108,117	0.0	0.0	0.0	0,0,0
2167	0.02	0.03	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2168	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2169	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2170	0.01	0.06	0.01	101,109,117	0.0	0.0	0.0	0,0,0
2171	0.02	0.02	0.02	104,108,117	0.0	0.0	0.0	0,0,0
2172	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2173	0.02	0.02	0.01	102,104,117	0.0	0.0	0.0	0,0,0
2174	0.01	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2175	0.01	0.04	0.01	104,100,117	0.0	0.0	0.0	0,0,0
2176	0.01	0.06	0.01	101,109,117	0.0	0.0	0.0	0,0,0
2177	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2178	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2179	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2180	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2181	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2182	0.01	0.06	0.02	102,111,117	0.0	0.0	0.0	0,0,0
2183	0.02	0.02	0.02	107,102,117	0.0	0.0	0.0	0,0,0
2184	0.02	0.02	0.01	102,102,117	0.0	0.0	0.0	0,0,0
2185	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2186	0.02	0.03	0.01	104,104,117	0.0	0.0	0.0	0,0,0
2187	0.02	0.03	0.02	104,104,117	0.0	0.0	0.0	0,0,0
2188	0.02	0.04	0.02	111,103,117	0.0	0.0	0.0	0,0,0
2189	0.03	0.08	0.03	111,104,117	0.0	0.0	0.0	0,0,0
2190	0.03	0.06	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2191	0.03	0.06	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2192	0.03	0.05	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2193	0.02	0.02	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2194	0.01	0.04	0.01	102,110,117	0.0	0.0	0.0	0,0,0
2195	0.04	0.09	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2196	0.04	0.09	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2197	0.04	0.09	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2198	0.04	0.09	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2199	0.04	0.06	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2200	0.06	0.13	0.06	110,110,117	0.0	0.0	0.0	0,0,0
2201	0.05	0.10	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2202	0.05	0.11	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2203	0.05	0.11	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2204	0.05	0.11	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2205	0.05	0.10	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2206	0.09	0.19	0.11	99,110,117	0.0	0.0	0.0	0,0,0
2207	0.03	0.06	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2208	0.03	0.07	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2209	0.03	0.07	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2210	0.03	0.06	0.04	109,111,117	0.0	0.0	0.0	0,0,0
2211	0.06	0.06	0.07	109,111,117	0.0	0.0	0.0	0,0,0
2212	0.09	0.17	0.11	99,103,117	0.0	0.0	0.0	0,0,0
2213	0.03	0.04	0.03	109,104,117	0.0	0.0	0.0	0,0,0
2214	0.03	0.04	0.03	109,104,117	0.0	0.0	0.0	0,0,0
2215	0.03	0.03	0.04	109,104,117	0.0	0.0	0.0	0,0,0
2216	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0

2217	0.07	0.07	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2218	0.10	0.17	0.12	99,99,117	0.0	0.0	0.0	0,0,0
2219	0.03	0.02	0.03	109,109,117	0.0	0.0	0.0	0,0,0
2220	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2221	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2222	0.05	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2223	0.07	0.08	0.09	109,109,117	0.0	0.0	0.0	0,0,0
2224	0.10	0.16	0.13	99,109,117	0.0	0.0	0.0	0,0,0
2225	0.03	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2226	0.04	0.03	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2227	0.04	0.04	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2228	0.06	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2229	0.08	0.08	0.09	109,109,117	0.0	0.0	0.0	0,0,0
2230	0.10	0.18	0.13	100,99,117	0.0	0.0	0.0	0,0,0
2231	0.04	0.02	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2232	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2233	0.05	0.04	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2234	0.06	0.06	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2235	0.08	0.09	0.10	109,109,117	0.0	0.0	0.0	0,0,0
2236	0.11	0.16	0.13	100,109,117	0.0	0.0	0.0	0,0,0
2237	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2238	0.04	0.04	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2239	0.05	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2240	0.06	0.06	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2241	0.08	0.09	0.10	109,109,117	0.0	0.0	0.0	0,0,0
2242	0.11	0.19	0.13	100,99,117	0.0	0.0	0.0	0,0,0
2243	0.04	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2244	0.05	0.04	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2245	0.05	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2246	0.07	0.06	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2247	0.08	0.09	0.10	109,109,117	0.0	0.0	0.0	0,0,0
2248	0.11	0.16	0.13	99,109,117	0.0	0.0	0.0	0,0,0
2249	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2250	0.05	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2251	0.06	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2252	0.07	0.06	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2253	0.08	0.08	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2254	0.11	0.17	0.13	99,99,117	0.0	0.0	0.0	0,0,0
2255	0.05	0.03	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2256	0.05	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2257	0.06	0.05	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2258	0.07	0.06	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2259	0.08	0.07	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2260	0.11	0.15	0.13	99,109,117	0.0	0.0	0.0	0,0,0
2261	0.05	0.03	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2262	0.05	0.05	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2263	0.06	0.06	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2264	0.07	0.06	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2265	0.08	0.06	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2266	0.10	0.16	0.13	99,99,117	0.0	0.0	0.0	0,0,0
2267	0.05	0.04	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2268	0.06	0.06	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2269	0.06	0.06	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2270	0.07	0.06	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2271	0.08	0.05	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2272	0.10	0.14	0.13	99,110,117	0.0	0.0	0.0	0,0,0
2273	0.06	0.05	0.06	109,111,117	0.0	0.0	0.0	0,0,0
2274	0.06	0.07	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2275	0.06	0.07	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2276	0.07	0.07	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2277	0.08	0.06	0.10	99,103,117	0.0	0.0	0.0	0,0,0
2278	0.10	0.14	0.13	110,110,117	0.0	0.0	0.0	0,0,0
2279	0.06	0.08	0.07	109,111,117	0.0	0.0	0.0	0,0,0
2280	0.06	0.09	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2281	0.06	0.09	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2282	0.07	0.07	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2283	0.08	0.06	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2284	0.10	0.14	0.12	110,110,117	0.0	0.0	0.0	0,0,0
2285	0.08	0.18	0.09	109,109,117	0.0	0.0	0.0	0,0,0
2286	0.05	0.12	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2287	0.06	0.10	0.07	109,109,117	0.0	0.0	0.0	0,0,0
2288	0.07	0.08	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2289	0.08	0.07	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2290	0.10	0.14	0.12	110,110,117	0.0	0.0	0.0	0,0,0
2291	0.08	0.24	0.09	109,99,117	0.0	0.0	0.0	0,0,0
2292	0.05	0.13	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2293	0.05	0.10	0.06	109,109,117	0.0	0.0	0.0	0,0,0

2294	0.06	0.08	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2295	0.08	0.06	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2296	0.09	0.13	0.12	110,110,117	0.0	0.0	0.0	0,0,0
2297	0.04	0.29	0.04	111,109,117	0.0	0.0	0.0	0,0,0
2298	0.04	0.12	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2299	0.05	0.09	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2300	0.06	0.07	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2301	0.08	0.06	0.10	99,109,117	0.0	0.0	0.0	0,0,0
2302	0.09	0.12	0.12	110,110,117	0.0	0.0	0.0	0,0,0
2303	0.04	0.29	0.04	111,109,117	0.0	0.0	0.0	0,0,0
2304	0.04	0.11	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2305	0.05	0.06	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2306	0.06	0.05	0.08	109,109,117	0.0	0.0	0.0	0,0,0
2307	0.08	0.05	0.09	99,109,117	0.0	0.0	0.0	0,0,0
2308	0.09	0.13	0.11	112,99,117	0.0	0.0	0.0	0,0,0
2309	0.04	0.27	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2310	0.04	0.09	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2311	0.05	0.07	0.06	109,111,117	0.0	0.0	0.0	0,0,0
2312	0.06	0.05	0.07	109,111,117	0.0	0.0	0.0	0,0,0
2313	0.08	0.05	0.09	99,99,117	0.0	0.0	0.0	0,0,0
2314	0.10	0.12	0.12	100,99,117	0.0	0.0	0.0	0,0,0
2315	0.08	0.26	0.09	111,100,117	0.0	0.0	0.0	0,0,0
2316	0.05	0.10	0.06	111,100,117	0.0	0.0	0.0	0,0,0
2317	0.05	0.07	0.06	111,111,117	0.0	0.0	0.0	0,0,0
2318	0.06	0.05	0.07	109,111,117	0.0	0.0	0.0	0,0,0
2319	0.08	0.05	0.09	99,100,117	0.0	0.0	0.0	0,0,0
2320	0.10	0.15	0.12	100,99,117	0.0	0.0	0.0	0,0,0
2321	0.08	0.12	0.09	111,99,117	0.0	0.0	0.0	0,0,0
2322	0.05	0.07	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2323	0.05	0.07	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2324	0.06	0.05	0.07	111,111,117	0.0	0.0	0.0	0,0,0
2325	0.08	0.05	0.09	100,100,117	0.0	0.0	0.0	0,0,0
2326	0.10	0.15	0.13	100,109,117	0.0	0.0	0.0	0,0,0
2327	0.05	0.03	0.06	111,111,117	0.0	0.0	0.0	0,0,0
2328	0.05	0.04	0.06	111,99,117	0.0	0.0	0.0	0,0,0
2329	0.05	0.04	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2330	0.06	0.04	0.07	111,111,117	0.0	0.0	0.0	0,0,0
2331	0.08	0.05	0.09	100,100,117	0.0	0.0	0.0	0,0,0
2332	0.11	0.21	0.13	100,99,117	0.0	0.0	0.0	0,0,0
2333	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2334	0.04	0.03	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2335	0.05	0.03	0.06	111,100,117	0.0	0.0	0.0	0,0,0
2336	0.05	0.04	0.07	111,100,117	0.0	0.0	0.0	0,0,0
2337	0.08	0.05	0.09	100,100,117	0.0	0.0	0.0	0,0,0
2338	0.11	0.17	0.14	100,100,117	0.0	0.0	0.0	0,0,0
2339	0.03	0.04	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2340	0.03	0.06	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2341	0.04	0.06	0.05	100,109,117	0.0	0.0	0.0	0,0,0
2342	0.05	0.06	0.06	100,109,117	0.0	0.0	0.0	0,0,0
2343	0.07	0.06	0.09	100,112,117	0.0	0.0	0.0	0,0,0
2344	0.12	0.23	0.15	100,112,117	0.0	0.0	0.0	0,0,0
2345	0.06	0.11	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2346	0.06	0.14	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2347	0.06	0.15	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2348	0.06	0.16	0.06	109,109,117	0.0	0.0	0.0	0,0,0
2349	0.07	0.15	0.09	100,109,117	0.0	0.0	0.0	0,0,0
2350	0.16	0.32	0.20	100,112,117	0.0	0.0	0.0	0,0,0
2351	0.07	0.13	0.07	111,109,117	0.0	0.0	0.0	0,0,0
2352	0.08	0.17	0.08	111,109,117	0.0	0.0	0.0	0,0,0
2353	0.08	0.20	0.08	111,109,117	0.0	0.0	0.0	0,0,0
2354	0.08	0.21	0.08	111,109,117	0.0	0.0	0.0	0,0,0
2355	0.08	0.21	0.08	111,109,117	0.0	0.0	0.0	0,0,0
2356	0.18	0.45	0.22	99,110,117	0.0	0.0	0.0	0,0,0
2357	0.05	0.08	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2358	0.05	0.10	0.04	111,109,117	0.0	0.0	0.0	0,0,0
2359	0.05	0.11	0.05	111,109,117	0.0	0.0	0.0	0,0,0
2360	0.04	0.11	0.06	99,109,117	0.0	0.0	0.0	0,0,0
2361	0.07	0.10	0.09	99,109,117	0.0	0.0	0.0	0,0,0
2362	0.12	0.20	0.15	99,110,117	0.0	0.0	0.0	0,0,0
2363	0.04	0.04	0.05	99,111,117	0.0	0.0	0.0	0,0,0
2364	0.04	0.06	0.05	99,111,117	0.0	0.0	0.0	0,0,0
2365	0.04	0.07	0.05	99,111,117	0.0	0.0	0.0	0,0,0
2366	0.05	0.07	0.06	99,109,117	0.0	0.0	0.0	0,0,0
2367	0.07	0.07	0.09	99,109,117	0.0	0.0	0.0	0,0,0
2368	0.12	0.19	0.14	99,99,117	0.0	0.0	0.0	0,0,0
2369	0.04	0.06	0.06	99,111,117	0.0	0.0	0.0	0,0,0
2370	0.04	0.09	0.05	99,112,117	0.0	0.0	0.0	0,0,0

2371	0.05	0.08	0.06	99,111,117	0.0	0.0	0.0	0,0,0
2372	0.05	0.08	0.07	99,110,117	0.0	0.0	0.0	0,0,0
2373	0.07	0.06	0.09	99,110,117	0.0	0.0	0.0	0,0,0
2374	0.11	0.14	0.14	99,99,117	0.0	0.0	0.0	0,0,0
2375	0.07	0.21	0.08	109,100,117	0.0	0.0	0.0	0,0,0
2376	0.04	0.14	0.05	109,100,117	0.0	0.0	0.0	0,0,0
2377	0.05	0.13	0.06	109,99,117	0.0	0.0	0.0	0,0,0
2378	0.05	0.10	0.07	99,99,117	0.0	0.0	0.0	0,0,0
2379	0.07	0.07	0.09	99,99,117	0.0	0.0	0.0	0,0,0
2380	0.11	0.16	0.13	99,99,117	0.0	0.0	0.0	0,0,0
2381	0.05	0.35	0.06	109,99,117	0.0	0.0	0.0	0,0,0
2382	0.04	0.18	0.05	109,100,117	0.0	0.0	0.0	0,0,0
2383	0.05	0.15	0.06	109,99,117	0.0	0.0	0.0	0,0,0
2384	0.05	0.11	0.06	99,109,117	0.0	0.0	0.0	0,0,0
2385	0.07	0.08	0.08	99,99,117	0.0	0.0	0.0	0,0,0
2386	0.10	0.13	0.12	99,110,117	0.0	0.0	0.0	0,0,0
2387	0.03	0.42	0.04	109,111,117	0.0	0.0	0.0	0,0,0
2388	0.04	0.24	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2389	0.04	0.14	0.05	109,99,117	0.0	0.0	0.0	0,0,0
2390	0.05	0.10	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2391	0.07	0.07	0.08	99,99,117	0.0	0.0	0.0	0,0,0
2392	0.09	0.13	0.11	110,110,117	0.0	0.0	0.0	0,0,0
2393	0.02	0.43	0.02	109,109,117	0.0	0.0	0.0	0,0,0
2394	0.03	0.25	0.03	111,109,117	0.0	0.0	0.0	0,0,0
2395	0.04	0.13	0.04	111,111,117	0.0	0.0	0.0	0,0,0
2396	0.05	0.08	0.06	100,109,117	0.0	0.0	0.0	0,0,0
2397	0.07	0.04	0.08	100,109,117	0.0	0.0	0.0	0,0,0
2398	0.09	0.13	0.11	112,110,117	0.0	0.0	0.0	0,0,0
2399	0.03	0.43	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2400	0.03	0.25	0.04	111,109,117	0.0	0.0	0.0	0,0,0
2401	0.04	0.15	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2402	0.05	0.10	0.06	109,111,117	0.0	0.0	0.0	0,0,0
2403	0.07	0.05	0.08	100,111,117	0.0	0.0	0.0	0,0,0
2404	0.09	0.13	0.11	112,112,117	0.0	0.0	0.0	0,0,0
2405	0.06	0.42	0.07	111,100,117	0.0	0.0	0.0	0,0,0
2406	0.04	0.20	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2407	0.04	0.16	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2408	0.05	0.11	0.06	111,111,117	0.0	0.0	0.0	0,0,0
2409	0.07	0.06	0.08	100,111,117	0.0	0.0	0.0	0,0,0
2410	0.09	0.15	0.12	112,100,117	0.0	0.0	0.0	0,0,0
2411	0.07	0.24	0.09	111,111,117	0.0	0.0	0.0	0,0,0
2412	0.05	0.17	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2413	0.05	0.15	0.06	111,111,117	0.0	0.0	0.0	0,0,0
2414	0.05	0.11	0.06	111,111,117	0.0	0.0	0.0	0,0,0
2415	0.07	0.06	0.08	100,111,117	0.0	0.0	0.0	0,0,0
2416	0.11	0.13	0.13	100,100,117	0.0	0.0	0.0	0,0,0
2417	0.05	0.10	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2418	0.04	0.12	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2419	0.04	0.12	0.05	111,111,117	0.0	0.0	0.0	0,0,0
2420	0.05	0.09	0.06	111,111,117	0.0	0.0	0.0	0,0,0
2421	0.07	0.06	0.08	100,111,117	0.0	0.0	0.0	0,0,0
2422	0.10	0.15	0.13	100,100,117	0.0	0.0	0.0	0,0,0
2423	0.04	0.04	0.05	111,110,117	0.0	0.0	0.0	0,0,0
2424	0.04	0.07	0.05	111,109,117	0.0	0.0	0.0	0,0,0
2425	0.04	0.07	0.05	111,109,117	0.0	0.0	0.0	0,0,0
2426	0.05	0.06	0.06	100,111,117	0.0	0.0	0.0	0,0,0
2427	0.07	0.04	0.08	100,111,117	0.0	0.0	0.0	0,0,0
2428	0.11	0.14	0.13	100,111,117	0.0	0.0	0.0	0,0,0
2429	0.03	0.05	0.03	111,109,117	0.0	0.0	0.0	0,0,0
2430	0.03	0.05	0.04	111,109,117	0.0	0.0	0.0	0,0,0
2431	0.03	0.05	0.04	111,109,117	0.0	0.0	0.0	0,0,0
2432	0.04	0.05	0.05	100,109,117	0.0	0.0	0.0	0,0,0
2433	0.06	0.05	0.08	111,109,117	0.0	0.0	0.0	0,0,0
2434	0.10	0.18	0.13	100,100,117	0.0	0.0	0.0	0,0,0
2435	0.03	0.08	0.03	109,111,117	0.0	0.0	0.0	0,0,0
2436	0.04	0.09	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2437	0.04	0.10	0.04	109,109,117	0.0	0.0	0.0	0,0,0
2438	0.04	0.11	0.05	109,109,117	0.0	0.0	0.0	0,0,0
2439	0.05	0.11	0.06	111,109,117	0.0	0.0	0.0	0,0,0
2440	0.11	0.21	0.14	100,100,117	0.0	0.0	0.0	0,0,0
2441	0.04	0.04	0.05	110,111,117	0.0	0.0	0.0	0,0,0
2442	0.04	0.04	0.05	110,111,117	0.0	0.0	0.0	0,0,0
2443	0.05	0.04	0.06	99,111,117	0.0	0.0	0.0	0,0,0
2444	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
2445	0.06	0.06	0.07	99,110,117	0.0	0.0	0.0	0,0,0
2446	0.15	0.40	0.18	99,109,117	0.0	0.0	0.0	0,0,0
2447	0.03	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0

2448	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
2449	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
2450	0.03	0.02	0.03	99,103,117	0.0	0.0	0.0	0,0,0
2451	0.02	0.04	0.03	99,111,117	0.0	0.0	0.0	0,0,0
2452	0.02	0.40	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2453	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
2454	0.02	0.02	0.03	112,112,117	0.0	0.0	0.0	0,0,0
2455	0.02	0.02	0.02	110,99,117	0.0	0.0	0.0	0,0,0
2456	0.02	0.02	0.02	110,103,117	0.0	0.0	0.0	0,0,0
2457	0.01	0.08	0.02	110,111,117	0.0	0.0	0.0	0,0,0
2458	0.02	0.32	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2459	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
2460	0.02	0.01	0.02	112,99,117	0.0	0.0	0.0	0,0,0
2461	0.02	0.01	0.02	112,99,117	0.0	0.0	0.0	0,0,0
2462	0.01	0.01	0.02	112,103,117	0.0	0.0	0.0	0,0,0
2463	7.14e-03	0.10	8.61e-03	103,111,117	0.0	0.0	0.0	0,0,0
2464	0.02	0.26	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2465	0.02	0.01	0.02	112,112,117	0.0	0.0	0.0	0,0,0
2466	0.01	0.01	0.02	112,99,117	0.0	0.0	0.0	0,0,0
2467	0.01	0.01	0.01	112,99,117	0.0	0.0	0.0	0,0,0
2468	8.50e-03	0.03	9.66e-03	112,111,117	0.0	0.0	0.0	0,0,0
2469	5.03e-03	0.11	5.92e-03	103,111,117	0.0	0.0	0.0	0,0,0
2470	3.21e-03	0.30	4.07e-03	111,111,117	0.0	0.0	0.0	0,0,0
2471	0.01	9.80e-03	0.02	112,112,117	0.0	0.0	0.0	0,0,0
2472	0.01	0.01	0.01	110,99,117	0.0	0.0	0.0	0,0,0
2473	9.23e-03	0.01	0.01	112,99,117	0.0	0.0	0.0	0,0,0
2474	5.61e-03	0.05	6.27e-03	110,111,117	0.0	0.0	0.0	0,0,0
2475	5.28e-03	0.11	6.47e-03	103,111,117	0.0	0.0	0.0	0,0,0
2476	0.01	0.20	0.01	111,111,117	0.0	0.0	0.0	0,0,0
2477	0.01	0.01	0.01	99,99,117	0.0	0.0	0.0	0,0,0
2478	9.67e-03	0.01	0.01	99,99,117	0.0	0.0	0.0	0,0,0
2479	6.96e-03	0.02	8.46e-03	110,109,117	0.0	0.0	0.0	0,0,0
2480	5.32e-03	0.06	6.00e-03	110,111,117	0.0	0.0	0.0	0,0,0
2481	4.62e-03	0.12	5.61e-03	103,111,117	0.0	0.0	0.0	0,0,0
2482	3.13e-03	0.23	4.07e-03	111,111,117	0.0	0.0	0.0	0,0,0
2483	0.01	0.01	0.01	99,99,117	0.0	0.0	0.0	0,0,0
2484	8.28e-03	0.02	0.01	110,99,117	0.0	0.0	0.0	0,0,0
2485	5.67e-03	0.03	6.59e-03	110,111,117	0.0	0.0	0.0	0,0,0
2486	5.25e-03	0.07	6.17e-03	110,111,117	0.0	0.0	0.0	0,0,0
2487	5.65e-03	0.11	6.93e-03	109,111,117	0.0	0.0	0.0	0,0,0
2488	0.02	0.16	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2489	9.30e-03	0.02	0.01	110,99,117	0.0	0.0	0.0	0,0,0
2490	7.11e-03	0.02	8.56e-03	110,111,117	0.0	0.0	0.0	0,0,0
2491	5.61e-03	0.04	6.40e-03	110,111,117	0.0	0.0	0.0	0,0,0
2492	5.20e-03	0.08	6.25e-03	103,111,117	0.0	0.0	0.0	0,0,0
2493	4.40e-03	0.12	5.28e-03	105,111,117	0.0	0.0	0.0	0,0,0
2494	3.17e-03	0.24	4.11e-03	111,111,117	0.0	0.0	0.0	0,0,0
2495	8.35e-03	0.02	0.01	110,99,117	0.0	0.0	0.0	0,0,0
2496	6.18e-03	0.03	7.40e-03	110,111,117	0.0	0.0	0.0	0,0,0
2497	5.58e-03	0.05	6.53e-03	110,111,117	0.0	0.0	0.0	0,0,0
2498	5.27e-03	0.08	6.51e-03	103,111,117	0.0	0.0	0.0	0,0,0
2499	6.22e-03	0.12	6.88e-03	105,111,117	0.0	0.0	0.0	0,0,0
2500	0.03	0.19	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2501	7.53e-03	0.02	9.07e-03	110,99,117	0.0	0.0	0.0	0,0,0
2502	5.82e-03	0.03	6.89e-03	110,111,117	0.0	0.0	0.0	0,0,0
2503	5.56e-03	0.06	6.63e-03	103,111,117	0.0	0.0	0.0	0,0,0
2504	5.07e-03	0.08	6.31e-03	101,111,117	0.0	0.0	0.0	0,0,0
2505	3.68e-03	0.13	4.50e-03	103,111,117	0.0	0.0	0.0	0,0,0
2506	4.40e-03	0.23	4.11e-03	107,111,117	0.0	0.0	0.0	0,0,0
2507	6.90e-03	0.03	8.59e-03	110,111,117	0.0	0.0	0.0	0,0,0
2508	5.81e-03	0.04	6.72e-03	110,111,117	0.0	0.0	0.0	0,0,0
2509	5.57e-03	0.06	6.77e-03	103,111,117	0.0	0.0	0.0	0,0,0
2510	5.16e-03	0.09	6.41e-03	109,109,117	0.0	0.0	0.0	0,0,0
2511	4.65e-03	0.12	4.96e-03	105,111,117	0.0	0.0	0.0	0,0,0
2512	0.01	0.17	8.17e-03	111,109,117	0.0	0.0	0.0	0,0,0
2513	6.66e-03	0.03	8.30e-03	110,100,117	0.0	0.0	0.0	0,0,0
2514	5.80e-03	0.05	6.70e-03	110,111,117	0.0	0.0	0.0	0,0,0
2515	5.52e-03	0.07	6.85e-03	103,111,117	0.0	0.0	0.0	0,0,0
2516	5.08e-03	0.09	6.35e-03	109,109,117	0.0	0.0	0.0	0,0,0
2517	4.07e-03	0.12	4.62e-03	105,111,117	0.0	0.0	0.0	0,0,0
2518	3.74e-03	0.20	4.52e-03	105,111,117	0.0	0.0	0.0	0,0,0
2519	6.51e-03	0.03	8.18e-03	110,100,117	0.0	0.0	0.0	0,0,0
2520	5.77e-03	0.05	6.78e-03	110,111,117	0.0	0.0	0.0	0,0,0
2521	5.43e-03	0.07	6.90e-03	103,111,117	0.0	0.0	0.0	0,0,0
2522	5.00e-03	0.09	6.32e-03	109,111,117	0.0	0.0	0.0	0,0,0
2523	5.01e-03	0.12	5.00e-03	107,109,117	0.0	0.0	0.0	0,0,0
2524	0.01	0.14	7.98e-03	111,111,117	0.0	0.0	0.0	0,0,0

2525	6.42e-03	0.04	8.16e-03	110,100,117	0.0	0.0	0.0	0,0,0
2526	5.72e-03	0.05	6.83e-03	110,111,117	0.0	0.0	0.0	0,0,0
2527	5.33e-03	0.07	6.87e-03	99,111,117	0.0	0.0	0.0	0,0,0
2528	4.88e-03	0.10	6.12e-03	111,111,117	0.0	0.0	0.0	0,0,0
2529	4.68e-03	0.12	4.59e-03	107,109,117	0.0	0.0	0.0	0,0,0
2530	3.66e-03	0.18	4.08e-03	102,111,117	0.0	0.0	0.0	0,0,0
2531	6.37e-03	0.04	8.17e-03	110,100,117	0.0	0.0	0.0	0,0,0
2532	5.70e-03	0.06	6.83e-03	110,111,117	0.0	0.0	0.0	0,0,0
2533	5.24e-03	0.08	6.78e-03	99,111,117	0.0	0.0	0.0	0,0,0
2534	4.82e-03	0.10	5.83e-03	107,111,117	0.0	0.0	0.0	0,0,0
2535	6.11e-03	0.12	5.38e-03	107,111,117	0.0	0.0	0.0	0,0,0
2536	0.03	0.20	0.02	107,111,117	0.0	0.0	0.0	0,0,0
2537	6.38e-03	0.04	8.20e-03	110,100,117	0.0	0.0	0.0	0,0,0
2538	5.67e-03	0.06	6.77e-03	110,111,117	0.0	0.0	0.0	0,0,0
2539	5.14e-03	0.08	6.67e-03	103,111,117	0.0	0.0	0.0	0,0,0
2540	4.21e-03	0.10	5.16e-03	105,100,117	0.0	0.0	0.0	0,0,0
2541	3.83e-03	0.14	4.69e-03	111,111,117	0.0	0.0	0.0	0,0,0
2542	7.53e-03	0.18	3.89e-03	107,111,117	0.0	0.0	0.0	0,0,0
2543	6.43e-03	0.05	8.24e-03	110,100,117	0.0	0.0	0.0	0,0,0
2544	5.62e-03	0.06	6.77e-03	110,111,117	0.0	0.0	0.0	0,0,0
2545	5.06e-03	0.08	6.53e-03	103,100,117	0.0	0.0	0.0	0,0,0
2546	4.05e-03	0.10	4.87e-03	105,100,117	0.0	0.0	0.0	0,0,0
2547	3.70e-03	0.13	4.65e-03	110,111,117	0.0	0.0	0.0	0,0,0
2548	0.01	0.17	7.19e-03	107,111,117	0.0	0.0	0.0	0,0,0
2549	6.48e-03	0.05	8.29e-03	110,100,117	0.0	0.0	0.0	0,0,0
2550	5.55e-03	0.07	6.81e-03	110,100,117	0.0	0.0	0.0	0,0,0
2551	4.96e-03	0.08	6.38e-03	103,100,117	0.0	0.0	0.0	0,0,0
2552	3.79e-03	0.10	4.48e-03	105,100,117	0.0	0.0	0.0	0,0,0
2553	3.59e-03	0.13	4.19e-03	110,111,117	0.0	0.0	0.0	0,0,0
2554	2.94e-03	0.22	3.51e-03	111,111,117	0.0	0.0	0.0	0,0,0
2555	6.55e-03	0.05	8.36e-03	110,100,117	0.0	0.0	0.0	0,0,0
2556	5.44e-03	0.07	6.88e-03	110,100,117	0.0	0.0	0.0	0,0,0
2557	4.87e-03	0.09	6.25e-03	106,100,117	0.0	0.0	0.0	0,0,0
2558	3.78e-03	0.10	4.38e-03	105,100,117	0.0	0.0	0.0	0,0,0
2559	3.59e-03	0.13	4.39e-03	110,111,117	0.0	0.0	0.0	0,0,0
2560	5.59e-03	0.16	4.67e-03	111,111,117	0.0	0.0	0.0	0,0,0
2561	6.63e-03	0.05	8.45e-03	110,100,117	0.0	0.0	0.0	0,0,0
2562	5.46e-03	0.07	6.96e-03	110,100,117	0.0	0.0	0.0	0,0,0
2563	4.76e-03	0.09	6.11e-03	106,100,117	0.0	0.0	0.0	0,0,0
2564	3.69e-03	0.11	4.31e-03	105,100,117	0.0	0.0	0.0	0,0,0
2565	3.45e-03	0.13	4.12e-03	110,111,117	0.0	0.0	0.0	0,0,0
2566	2.73e-03	0.18	3.38e-03	106,111,117	0.0	0.0	0.0	0,0,0
2567	6.70e-03	0.05	8.54e-03	110,100,117	0.0	0.0	0.0	0,0,0
2568	5.52e-03	0.07	7.03e-03	110,100,117	0.0	0.0	0.0	0,0,0
2569	4.64e-03	0.09	5.98e-03	106,100,117	0.0	0.0	0.0	0,0,0
2570	3.68e-03	0.11	4.34e-03	105,100,117	0.0	0.0	0.0	0,0,0
2571	3.44e-03	0.13	4.26e-03	110,100,117	0.0	0.0	0.0	0,0,0
2572	4.03e-03	0.15	3.24e-03	107,100,117	0.0	0.0	0.0	0,0,0
2573	6.75e-03	0.06	8.63e-03	110,100,117	0.0	0.0	0.0	0,0,0
2574	5.56e-03	0.07	7.10e-03	110,100,117	0.0	0.0	0.0	0,0,0
2575	4.57e-03	0.09	5.82e-03	106,100,117	0.0	0.0	0.0	0,0,0
2576	3.77e-03	0.11	4.37e-03	105,100,117	0.0	0.0	0.0	0,0,0
2577	3.29e-03	0.13	4.01e-03	110,100,117	0.0	0.0	0.0	0,0,0
2578	2.95e-03	0.16	3.25e-03	106,111,117	0.0	0.0	0.0	0,0,0
2579	6.80e-03	0.06	8.70e-03	109,100,117	0.0	0.0	0.0	0,0,0
2580	5.61e-03	0.07	7.15e-03	109,100,117	0.0	0.0	0.0	0,0,0
2581	4.50e-03	0.09	5.71e-03	110,100,117	0.0	0.0	0.0	0,0,0
2582	3.80e-03	0.11	4.39e-03	101,100,117	0.0	0.0	0.0	0,0,0
2583	3.25e-03	0.13	4.10e-03	110,100,117	0.0	0.0	0.0	0,0,0
2584	3.40e-03	0.15	2.93e-03	107,100,117	0.0	0.0	0.0	0,0,0
2585	6.85e-03	0.06	8.74e-03	109,100,117	0.0	0.0	0.0	0,0,0
2586	5.65e-03	0.07	7.17e-03	109,100,117	0.0	0.0	0.0	0,0,0
2587	4.51e-03	0.09	5.72e-03	109,100,117	0.0	0.0	0.0	0,0,0
2588	3.73e-03	0.11	4.62e-03	103,100,117	0.0	0.0	0.0	0,0,0
2589	3.07e-03	0.13	3.84e-03	110,100,117	0.0	0.0	0.0	0,0,0
2590	2.94e-03	0.15	3.07e-03	106,100,117	0.0	0.0	0.0	0,0,0
2591	6.87e-03	0.06	8.74e-03	109,100,117	0.0	0.0	0.0	0,0,0
2592	5.66e-03	0.07	7.16e-03	109,100,117	0.0	0.0	0.0	0,0,0
2593	4.52e-03	0.09	5.70e-03	109,100,117	0.0	0.0	0.0	0,0,0
2594	3.67e-03	0.11	4.66e-03	103,100,117	0.0	0.0	0.0	0,0,0
2595	3.06e-03	0.13	3.88e-03	109,100,117	0.0	0.0	0.0	0,0,0
2596	3.22e-03	0.15	3.03e-03	105,100,117	0.0	0.0	0.0	0,0,0
2597	6.85e-03	0.06	8.70e-03	109,100,117	0.0	0.0	0.0	0,0,0
2598	5.64e-03	0.07	7.13e-03	109,100,117	0.0	0.0	0.0	0,0,0
2599	4.51e-03	0.09	5.68e-03	109,100,117	0.0	0.0	0.0	0,0,0
2600	3.77e-03	0.11	4.46e-03	101,100,117	0.0	0.0	0.0	0,0,0
2601	3.22e-03	0.13	4.06e-03	109,100,117	0.0	0.0	0.0	0,0,0

2602	3.11e-03	0.15	2.96e-03	108,100,117	0.0	0.0	0.0	0,0,0
2603	6.81e-03	0.06	8.64e-03	109,100,117	0.0	0.0	0.0	0,0,0
2604	5.61e-03	0.07	7.07e-03	109,100,117	0.0	0.0	0.0	0,0,0
2605	4.54e-03	0.09	5.79e-03	105,100,117	0.0	0.0	0.0	0,0,0
2606	3.73e-03	0.11	4.33e-03	106,100,117	0.0	0.0	0.0	0,0,0
2607	3.26e-03	0.13	3.99e-03	109,100,117	0.0	0.0	0.0	0,0,0
2608	3.03e-03	0.16	3.19e-03	105,112,117	0.0	0.0	0.0	0,0,0
2609	6.75e-03	0.05	8.56e-03	109,100,117	0.0	0.0	0.0	0,0,0
2610	5.56e-03	0.07	7.01e-03	109,100,117	0.0	0.0	0.0	0,0,0
2611	4.61e-03	0.09	5.94e-03	103,100,117	0.0	0.0	0.0	0,0,0
2612	3.71e-03	0.11	4.30e-03	106,100,117	0.0	0.0	0.0	0,0,0
2613	3.41e-03	0.13	4.24e-03	109,100,117	0.0	0.0	0.0	0,0,0
2614	4.05e-03	0.15	3.19e-03	108,100,117	0.0	0.0	0.0	0,0,0
2615	6.68e-03	0.05	8.47e-03	109,100,117	0.0	0.0	0.0	0,0,0
2616	5.50e-03	0.07	6.94e-03	109,100,117	0.0	0.0	0.0	0,0,0
2617	4.73e-03	0.09	6.08e-03	103,100,117	0.0	0.0	0.0	0,0,0
2618	3.66e-03	0.10	4.28e-03	106,100,117	0.0	0.0	0.0	0,0,0
2619	3.43e-03	0.13	4.10e-03	109,100,117	0.0	0.0	0.0	0,0,0
2620	2.83e-03	0.17	3.36e-03	105,112,117	0.0	0.0	0.0	0,0,0
2621	6.60e-03	0.05	8.39e-03	109,100,117	0.0	0.0	0.0	0,0,0
2622	5.50e-03	0.07	6.87e-03	109,100,117	0.0	0.0	0.0	0,0,0
2623	4.86e-03	0.08	6.22e-03	103,100,117	0.0	0.0	0.0	0,0,0
2624	3.67e-03	0.10	4.37e-03	106,100,117	0.0	0.0	0.0	0,0,0
2625	3.57e-03	0.12	4.36e-03	109,112,117	0.0	0.0	0.0	0,0,0
2626	5.53e-03	0.16	4.60e-03	112,112,117	0.0	0.0	0.0	0,0,0
2627	6.53e-03	0.05	8.32e-03	109,100,117	0.0	0.0	0.0	0,0,0
2628	5.60e-03	0.06	6.82e-03	109,100,117	0.0	0.0	0.0	0,0,0
2629	4.96e-03	0.08	6.37e-03	103,100,117	0.0	0.0	0.0	0,0,0
2630	3.79e-03	0.10	4.44e-03	106,100,117	0.0	0.0	0.0	0,0,0
2631	3.59e-03	0.13	4.17e-03	109,112,117	0.0	0.0	0.0	0,0,0
2632	2.93e-03	0.22	3.50e-03	106,112,117	0.0	0.0	0.0	0,0,0
2633	6.47e-03	0.05	8.26e-03	109,100,117	0.0	0.0	0.0	0,0,0
2634	5.68e-03	0.06	6.78e-03	109,100,117	0.0	0.0	0.0	0,0,0
2635	5.07e-03	0.08	6.55e-03	103,100,117	0.0	0.0	0.0	0,0,0
2636	3.99e-03	0.10	4.72e-03	106,100,117	0.0	0.0	0.0	0,0,0
2637	3.71e-03	0.12	4.63e-03	109,112,117	0.0	0.0	0.0	0,0,0
2638	0.01	0.17	7.24e-03	108,112,117	0.0	0.0	0.0	0,0,0
2639	6.44e-03	0.04	8.22e-03	109,100,117	0.0	0.0	0.0	0,0,0
2640	5.75e-03	0.06	6.90e-03	109,112,117	0.0	0.0	0.0	0,0,0
2641	5.17e-03	0.08	6.72e-03	103,112,117	0.0	0.0	0.0	0,0,0
2642	4.21e-03	0.10	5.07e-03	106,100,117	0.0	0.0	0.0	0,0,0
2643	3.77e-03	0.13	4.72e-03	112,112,117	0.0	0.0	0.0	0,0,0
2644	7.85e-03	0.17	3.95e-03	108,112,117	0.0	0.0	0.0	0,0,0
2645	6.45e-03	0.04	8.19e-03	109,100,117	0.0	0.0	0.0	0,0,0
2646	5.80e-03	0.06	7.00e-03	109,112,117	0.0	0.0	0.0	0,0,0
2647	5.29e-03	0.07	6.87e-03	103,112,117	0.0	0.0	0.0	0,0,0
2648	4.85e-03	0.09	5.84e-03	108,112,117	0.0	0.0	0.0	0,0,0
2649	6.28e-03	0.12	5.47e-03	108,112,117	0.0	0.0	0.0	0,0,0
2650	0.04	0.20	0.02	108,112,117	0.0	0.0	0.0	0,0,0
2651	6.50e-03	0.04	8.18e-03	109,100,117	0.0	0.0	0.0	0,0,0
2652	5.86e-03	0.05	7.02e-03	109,112,117	0.0	0.0	0.0	0,0,0
2653	5.41e-03	0.07	6.98e-03	103,112,117	0.0	0.0	0.0	0,0,0
2654	4.96e-03	0.09	6.18e-03	112,112,117	0.0	0.0	0.0	0,0,0
2655	4.77e-03	0.12	4.62e-03	108,110,117	0.0	0.0	0.0	0,0,0
2656	3.80e-03	0.19	4.21e-03	104,112,117	0.0	0.0	0.0	0,0,0
2657	6.58e-03	0.03	8.21e-03	109,100,117	0.0	0.0	0.0	0,0,0
2658	5.91e-03	0.05	6.97e-03	109,112,117	0.0	0.0	0.0	0,0,0
2659	5.53e-03	0.07	7.03e-03	103,112,117	0.0	0.0	0.0	0,0,0
2660	5.13e-03	0.09	6.47e-03	110,112,117	0.0	0.0	0.0	0,0,0
2661	5.44e-03	0.11	5.67e-03	108,112,117	0.0	0.0	0.0	0,0,0
2662	0.01	0.15	0.01	108,112,117	0.0	0.0	0.0	0,0,0
2663	6.72e-03	0.03	8.36e-03	109,100,117	0.0	0.0	0.0	0,0,0
2664	5.93e-03	0.04	6.86e-03	109,112,117	0.0	0.0	0.0	0,0,0
2665	5.60e-03	0.06	6.98e-03	103,112,117	0.0	0.0	0.0	0,0,0
2666	5.23e-03	0.09	6.53e-03	110,112,117	0.0	0.0	0.0	0,0,0
2667	4.35e-03	0.12	4.93e-03	106,112,117	0.0	0.0	0.0	0,0,0
2668	3.63e-03	0.24	4.41e-03	106,112,117	0.0	0.0	0.0	0,0,0
2669	6.94e-03	0.02	8.62e-03	109,100,117	0.0	0.0	0.0	0,0,0
2670	5.94e-03	0.04	6.78e-03	109,112,117	0.0	0.0	0.0	0,0,0
2671	5.60e-03	0.06	6.82e-03	103,112,117	0.0	0.0	0.0	0,0,0
2672	5.30e-03	0.08	6.62e-03	103,112,117	0.0	0.0	0.0	0,0,0
2673	6.25e-03	0.11	6.98e-03	106,112,117	0.0	0.0	0.0	0,0,0
2674	0.03	0.16	0.02	112,112,117	0.0	0.0	0.0	0,0,0
2675	7.47e-03	0.02	9.01e-03	109,99,117	0.0	0.0	0.0	0,0,0
2676	5.95e-03	0.03	6.92e-03	109,112,117	0.0	0.0	0.0	0,0,0
2677	5.61e-03	0.05	6.56e-03	109,112,117	0.0	0.0	0.0	0,0,0
2678	5.14e-03	0.08	6.31e-03	103,112,117	0.0	0.0	0.0	0,0,0

2679	4.33e-03	0.11	5.16e-03	106,112,117	0.0	0.0	0.0	0,0,0
2680	3.19e-03	0.16	4.10e-03	106,112,117	0.0	0.0	0.0	0,0,0
2681	8.26e-03	0.02	9.88e-03	109,99,117	0.0	0.0	0.0	0,0,0
2682	6.12e-03	0.03	7.34e-03	109,112,117	0.0	0.0	0.0	0,0,0
2683	5.65e-03	0.05	6.48e-03	109,112,117	0.0	0.0	0.0	0,0,0
2684	5.11e-03	0.08	6.16e-03	103,112,117	0.0	0.0	0.0	0,0,0
2685	4.17e-03	0.11	5.28e-03	106,112,117	0.0	0.0	0.0	0,0,0
2686	5.15e-03	0.17	5.25e-03	112,110,117	0.0	0.0	0.0	0,0,0
2687	9.08e-03	0.01	0.01	109,99,117	0.0	0.0	0.0	0,0,0
2688	7.03e-03	0.02	8.33e-03	109,99,117	0.0	0.0	0.0	0,0,0
2689	5.75e-03	0.04	6.53e-03	109,112,117	0.0	0.0	0.0	0,0,0
2690	5.25e-03	0.07	6.29e-03	103,112,117	0.0	0.0	0.0	0,0,0
2691	4.25e-03	0.12	5.48e-03	106,112,117	0.0	0.0	0.0	0,0,0
2692	3.44e-03	0.25	4.09e-03	112,112,117	0.0	0.0	0.0	0,0,0
2693	0.01	0.01	0.01	109,109,117	0.0	0.0	0.0	0,0,0
2694	8.11e-03	0.01	9.82e-03	109,99,117	0.0	0.0	0.0	0,0,0
2695	5.91e-03	0.03	6.66e-03	109,112,117	0.0	0.0	0.0	0,0,0
2696	5.56e-03	0.07	6.60e-03	103,112,117	0.0	0.0	0.0	0,0,0
2697	6.36e-03	0.11	7.63e-03	110,112,117	0.0	0.0	0.0	0,0,0
2698	0.03	0.17	0.03	112,112,117	0.0	0.0	0.0	0,0,0
2699	0.01	9.67e-03	0.01	111,109,117	0.0	0.0	0.0	0,0,0
2700	9.60e-03	0.01	0.01	109,99,117	0.0	0.0	0.0	0,0,0
2701	7.09e-03	0.02	8.29e-03	111,110,117	0.0	0.0	0.0	0,0,0
2702	5.59e-03	0.06	6.43e-03	109,112,117	0.0	0.0	0.0	0,0,0
2703	4.69e-03	0.12	5.78e-03	103,112,117	0.0	0.0	0.0	0,0,0
2704	3.11e-03	0.25	4.07e-03	101,112,117	0.0	0.0	0.0	0,0,0
2705	0.01	9.74e-03	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2706	0.01	0.01	0.01	111,99,117	0.0	0.0	0.0	0,0,0
2707	9.37e-03	0.01	0.01	111,110,117	0.0	0.0	0.0	0,0,0
2708	5.96e-03	0.05	6.73e-03	109,112,117	0.0	0.0	0.0	0,0,0
2709	5.62e-03	0.11	6.85e-03	103,112,117	0.0	0.0	0.0	0,0,0
2710	0.02	0.20	0.02	112,112,117	0.0	0.0	0.0	0,0,0
2711	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2712	0.01	0.01	0.02	111,99,117	0.0	0.0	0.0	0,0,0
2713	0.01	0.01	0.01	111,99,117	0.0	0.0	0.0	0,0,0
2714	8.85e-03	0.03	9.96e-03	111,112,117	0.0	0.0	0.0	0,0,0
2715	5.32e-03	0.11	6.19e-03	109,112,117	0.0	0.0	0.0	0,0,0
2716	3.41e-03	0.32	4.20e-03	112,112,117	0.0	0.0	0.0	0,0,0
2717	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
2718	0.02	0.01	0.02	111,99,117	0.0	0.0	0.0	0,0,0
2719	0.02	0.02	0.02	111,99,117	0.0	0.0	0.0	0,0,0
2720	0.01	0.01	0.02	109,99,117	0.0	0.0	0.0	0,0,0
2721	8.02e-03	0.10	9.73e-03	103,112,117	0.0	0.0	0.0	0,0,0
2722	0.02	0.25	0.03	112,112,117	0.0	0.0	0.0	0,0,0
2723	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2724	0.02	0.02	0.03	111,111,117	0.0	0.0	0.0	0,0,0
2725	0.02	0.02	0.03	109,99,117	0.0	0.0	0.0	0,0,0
2726	0.02	0.02	0.02	109,103,117	0.0	0.0	0.0	0,0,0
2727	0.02	0.08	0.02	109,112,117	0.0	0.0	0.0	0,0,0
2728	0.02	0.32	0.02	110,112,117	0.0	0.0	0.0	0,0,0
2729	0.03	0.02	0.03	111,100,117	0.0	0.0	0.0	0,0,0
2730	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
2731	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
2732	0.03	0.02	0.03	99,109,117	0.0	0.0	0.0	0,0,0
2733	0.02	0.04	0.03	109,112,117	0.0	0.0	0.0	0,0,0
2734	0.02	0.42	0.02	112,112,117	0.0	0.0	0.0	0,0,0
2735	0.04	0.04	0.05	109,112,117	0.0	0.0	0.0	0,0,0
2736	0.04	0.04	0.05	109,112,117	0.0	0.0	0.0	0,0,0
2737	0.04	0.04	0.06	99,112,117	0.0	0.0	0.0	0,0,0
2738	0.05	0.03	0.06	99,99,117	0.0	0.0	0.0	0,0,0
2739	0.06	0.06	0.08	99,109,117	0.0	0.0	0.0	0,0,0
2740	0.15	0.47	0.18	99,110,117	0.0	0.0	0.0	0,0,0
2741	0.03	0.08	0.04	110,100,117	0.0	0.0	0.0	0,0,0
2742	0.04	0.09	0.04	110,110,117	0.0	0.0	0.0	0,0,0
2743	0.04	0.09	0.05	110,110,117	0.0	0.0	0.0	0,0,0
2744	0.04	0.10	0.05	110,99,117	0.0	0.0	0.0	0,0,0
2745	0.04	0.09	0.05	110,99,117	0.0	0.0	0.0	0,0,0
2746	0.06	0.20	0.08	100,111,117	0.0	0.0	0.0	0,0,0
2747	0.02	0.06	0.02	110,100,117	0.0	0.0	0.0	0,0,0
2748	0.02	0.06	0.03	110,110,117	0.0	0.0	0.0	0,0,0
2749	0.02	0.07	0.03	110,110,117	0.0	0.0	0.0	0,0,0
2750	0.02	0.06	0.03	110,110,117	0.0	0.0	0.0	0,0,0
2751	0.02	0.05	0.02	110,110,117	0.0	0.0	0.0	0,0,0
2752	0.03	0.15	0.04	99,111,117	0.0	0.0	0.0	0,0,0
2753	0.02	0.06	0.02	112,100,117	0.0	0.0	0.0	0,0,0
2754	0.02	0.06	0.02	110,99,117	0.0	0.0	0.0	0,0,0
2755	0.02	0.06	0.02	110,99,117	0.0	0.0	0.0	0,0,0

2756	0.02	0.05	0.02	110,99,117	0.0	0.0	0.0	0,0,0
2757	0.01	0.03	0.01	110,99,117	0.0	0.0	0.0	0,0,0
2758	0.02	0.10	0.03	99,111,117	0.0	0.0	0.0	0,0,0
2759	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2760	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2761	0.02	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2762	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2763	8.61e-03	0.04	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2764	0.02	0.08	0.02	99,111,117	0.0	0.0	0.0	0,0,0
2765	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2766	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2767	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2768	0.01	0.04	0.01	100,109,117	0.0	0.0	0.0	0,0,0
2769	6.97e-03	0.05	8.58e-03	112,111,117	0.0	0.0	0.0	0,0,0
2770	0.01	0.08	0.01	110,111,117	0.0	0.0	0.0	0,0,0
2771	0.02	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2772	0.01	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2773	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2774	9.53e-03	0.04	0.01	112,109,117	0.0	0.0	0.0	0,0,0
2775	6.45e-03	0.06	7.94e-03	111,111,117	0.0	0.0	0.0	0,0,0
2776	8.77e-03	0.09	0.01	109,111,117	0.0	0.0	0.0	0,0,0
2777	0.01	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2778	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2779	0.01	0.05	0.01	112,109,117	0.0	0.0	0.0	0,0,0
2780	8.40e-03	0.05	0.01	112,111,117	0.0	0.0	0.0	0,0,0
2781	5.93e-03	0.06	7.61e-03	102,111,117	0.0	0.0	0.0	0,0,0
2782	8.10e-03	0.09	0.01	112,111,117	0.0	0.0	0.0	0,0,0
2783	0.01	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2784	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2785	0.01	0.05	0.01	112,109,117	0.0	0.0	0.0	0,0,0
2786	7.49e-03	0.06	9.16e-03	112,111,117	0.0	0.0	0.0	0,0,0
2787	5.64e-03	0.07	7.28e-03	102,111,117	0.0	0.0	0.0	0,0,0
2788	6.05e-03	0.09	7.99e-03	102,111,117	0.0	0.0	0.0	0,0,0
2789	0.01	0.06	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2790	0.01	0.05	0.01	100,109,117	0.0	0.0	0.0	0,0,0
2791	9.13e-03	0.05	0.01	112,111,117	0.0	0.0	0.0	0,0,0
2792	6.79e-03	0.06	8.33e-03	112,111,117	0.0	0.0	0.0	0,0,0
2793	4.96e-03	0.08	6.01e-03	108,111,117	0.0	0.0	0.0	0,0,0
2794	6.18e-03	0.10	7.74e-03	108,109,117	0.0	0.0	0.0	0,0,0
2795	0.01	0.05	0.02	100,109,117	0.0	0.0	0.0	0,0,0
2796	0.01	0.05	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2797	8.44e-03	0.06	0.01	112,111,117	0.0	0.0	0.0	0,0,0
2798	6.25e-03	0.07	7.76e-03	112,111,117	0.0	0.0	0.0	0,0,0
2799	5.16e-03	0.09	6.51e-03	111,109,117	0.0	0.0	0.0	0,0,0
2800	9.13e-03	0.13	0.01	109,109,117	0.0	0.0	0.0	0,0,0
2801	0.01	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2802	9.83e-03	0.05	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2803	7.90e-03	0.06	9.97e-03	112,111,117	0.0	0.0	0.0	0,0,0
2804	5.84e-03	0.08	7.30e-03	112,111,117	0.0	0.0	0.0	0,0,0
2805	6.28e-03	0.09	7.38e-03	107,111,117	0.0	0.0	0.0	0,0,0
2806	8.38e-03	0.12	0.01	105,109,117	0.0	0.0	0.0	0,0,0
2807	0.01	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2808	9.33e-03	0.06	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2809	7.46e-03	0.07	9.42e-03	112,111,117	0.0	0.0	0.0	0,0,0
2810	5.49e-03	0.08	6.90e-03	112,111,117	0.0	0.0	0.0	0,0,0
2811	6.61e-03	0.09	7.96e-03	111,111,117	0.0	0.0	0.0	0,0,0
2812	0.01	0.12	0.01	111,111,117	0.0	0.0	0.0	0,0,0
2813	0.01	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2814	8.89e-03	0.06	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2815	7.07e-03	0.07	8.93e-03	112,111,117	0.0	0.0	0.0	0,0,0
2816	5.19e-03	0.08	6.48e-03	112,111,117	0.0	0.0	0.0	0,0,0
2817	6.74e-03	0.10	8.05e-03	111,111,117	0.0	0.0	0.0	0,0,0
2818	8.21e-03	0.17	0.01	111,111,117	0.0	0.0	0.0	0,0,0
2819	0.01	0.05	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2820	8.47e-03	0.06	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2821	6.71e-03	0.07	8.46e-03	112,111,117	0.0	0.0	0.0	0,0,0
2822	5.18e-03	0.08	6.10e-03	107,111,117	0.0	0.0	0.0	0,0,0
2823	6.70e-03	0.10	7.99e-03	105,111,117	0.0	0.0	0.0	0,0,0
2824	7.41e-03	0.13	8.51e-03	111,111,117	0.0	0.0	0.0	0,0,0
2825	9.81e-03	0.05	0.01	100,111,117	0.0	0.0	0.0	0,0,0
2826	8.09e-03	0.06	0.01	112,111,117	0.0	0.0	0.0	0,0,0
2827	6.41e-03	0.07	8.06e-03	112,111,117	0.0	0.0	0.0	0,0,0
2828	5.52e-03	0.09	6.06e-03	107,111,117	0.0	0.0	0.0	0,0,0
2829	6.65e-03	0.10	7.98e-03	107,111,117	0.0	0.0	0.0	0,0,0
2830	8.35e-03	0.14	9.77e-03	111,111,117	0.0	0.0	0.0	0,0,0
2831	9.42e-03	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2832	7.80e-03	0.06	9.91e-03	112,100,117	0.0	0.0	0.0	0,0,0

2833	6.16e-03	0.07	7.71e-03	112,111,117	0.0	0.0	0.0	0,0,0
2834	5.50e-03	0.09	6.59e-03	111,111,117	0.0	0.0	0.0	0,0,0
2835	6.56e-03	0.11	8.29e-03	111,111,117	0.0	0.0	0.0	0,0,0
2836	8.02e-03	0.14	9.78e-03	109,111,117	0.0	0.0	0.0	0,0,0
2837	9.09e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2838	7.54e-03	0.06	9.59e-03	112,100,117	0.0	0.0	0.0	0,0,0
2839	5.93e-03	0.08	7.42e-03	112,111,117	0.0	0.0	0.0	0,0,0
2840	5.30e-03	0.09	6.73e-03	111,111,117	0.0	0.0	0.0	0,0,0
2841	6.31e-03	0.11	8.09e-03	111,111,117	0.0	0.0	0.0	0,0,0
2842	7.37e-03	0.13	9.38e-03	105,109,117	0.0	0.0	0.0	0,0,0
2843	8.87e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2844	7.33e-03	0.06	9.33e-03	112,100,117	0.0	0.0	0.0	0,0,0
2845	5.72e-03	0.08	7.20e-03	112,100,117	0.0	0.0	0.0	0,0,0
2846	5.12e-03	0.09	6.69e-03	104,111,117	0.0	0.0	0.0	0,0,0
2847	6.36e-03	0.11	8.27e-03	111,111,117	0.0	0.0	0.0	0,0,0
2848	7.42e-03	0.13	9.58e-03	109,111,117	0.0	0.0	0.0	0,0,0
2849	8.69e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2850	7.15e-03	0.06	9.12e-03	112,100,117	0.0	0.0	0.0	0,0,0
2851	5.56e-03	0.08	7.10e-03	112,100,117	0.0	0.0	0.0	0,0,0
2852	5.14e-03	0.10	6.58e-03	111,100,117	0.0	0.0	0.0	0,0,0
2853	6.11e-03	0.11	7.98e-03	100,100,117	0.0	0.0	0.0	0,0,0
2854	7.64e-03	0.13	9.67e-03	111,111,117	0.0	0.0	0.0	0,0,0
2855	8.56e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2856	7.00e-03	0.07	8.96e-03	112,100,117	0.0	0.0	0.0	0,0,0
2857	5.55e-03	0.08	7.18e-03	109,100,117	0.0	0.0	0.0	0,0,0
2858	5.15e-03	0.10	6.65e-03	109,100,117	0.0	0.0	0.0	0,0,0
2859	6.15e-03	0.11	7.99e-03	100,100,117	0.0	0.0	0.0	0,0,0
2860	7.41e-03	0.14	9.73e-03	99,100,117	0.0	0.0	0.0	0,0,0
2861	8.45e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2862	6.89e-03	0.07	8.84e-03	112,100,117	0.0	0.0	0.0	0,0,0
2863	5.55e-03	0.08	7.24e-03	109,100,117	0.0	0.0	0.0	0,0,0
2864	5.17e-03	0.10	6.72e-03	109,100,117	0.0	0.0	0.0	0,0,0
2865	5.83e-03	0.12	7.55e-03	100,100,117	0.0	0.0	0.0	0,0,0
2866	7.67e-03	0.14	9.74e-03	111,100,117	0.0	0.0	0.0	0,0,0
2867	8.38e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2868	6.80e-03	0.07	8.76e-03	112,100,117	0.0	0.0	0.0	0,0,0
2869	5.55e-03	0.08	7.28e-03	109,100,117	0.0	0.0	0.0	0,0,0
2870	5.17e-03	0.10	6.76e-03	109,100,117	0.0	0.0	0.0	0,0,0
2871	5.75e-03	0.12	7.48e-03	100,100,117	0.0	0.0	0.0	0,0,0
2872	7.51e-03	0.14	9.81e-03	110,100,117	0.0	0.0	0.0	0,0,0
2873	8.32e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
2874	6.72e-03	0.07	8.70e-03	110,100,117	0.0	0.0	0.0	0,0,0
2875	5.57e-03	0.08	7.31e-03	109,100,117	0.0	0.0	0.0	0,0,0
2876	5.18e-03	0.10	6.80e-03	109,100,117	0.0	0.0	0.0	0,0,0
2877	5.45e-03	0.12	7.13e-03	100,100,117	0.0	0.0	0.0	0,0,0
2878	7.68e-03	0.14	9.81e-03	111,100,117	0.0	0.0	0.0	0,0,0
2879	8.30e-03	0.05	0.01	99,100,117	0.0	0.0	0.0	0,0,0
2880	6.68e-03	0.07	8.67e-03	99,100,117	0.0	0.0	0.0	0,0,0
2881	5.59e-03	0.08	7.32e-03	109,100,117	0.0	0.0	0.0	0,0,0
2882	5.20e-03	0.10	6.81e-03	109,100,117	0.0	0.0	0.0	0,0,0
2883	5.52e-03	0.12	7.21e-03	112,100,117	0.0	0.0	0.0	0,0,0
2884	7.58e-03	0.14	9.83e-03	110,100,117	0.0	0.0	0.0	0,0,0
2885	8.31e-03	0.05	0.01	99,100,117	0.0	0.0	0.0	0,0,0
2886	6.68e-03	0.07	8.67e-03	99,100,117	0.0	0.0	0.0	0,0,0
2887	5.60e-03	0.08	7.32e-03	109,100,117	0.0	0.0	0.0	0,0,0
2888	5.19e-03	0.10	6.82e-03	109,100,117	0.0	0.0	0.0	0,0,0
2889	5.42e-03	0.12	6.99e-03	109,100,117	0.0	0.0	0.0	0,0,0
2890	7.65e-03	0.14	9.85e-03	111,100,117	0.0	0.0	0.0	0,0,0
2891	8.31e-03	0.05	0.01	99,100,117	0.0	0.0	0.0	0,0,0
2892	6.68e-03	0.07	8.67e-03	99,100,117	0.0	0.0	0.0	0,0,0
2893	5.59e-03	0.08	7.34e-03	109,100,117	0.0	0.0	0.0	0,0,0
2894	5.18e-03	0.10	6.84e-03	109,100,117	0.0	0.0	0.0	0,0,0
2895	5.38e-03	0.12	6.96e-03	110,100,117	0.0	0.0	0.0	0,0,0
2896	7.63e-03	0.14	9.80e-03	112,100,117	0.0	0.0	0.0	0,0,0
2897	8.30e-03	0.05	0.01	99,100,117	0.0	0.0	0.0	0,0,0
2898	6.69e-03	0.07	8.67e-03	109,100,117	0.0	0.0	0.0	0,0,0
2899	5.57e-03	0.08	7.34e-03	109,100,117	0.0	0.0	0.0	0,0,0
2900	5.18e-03	0.10	6.82e-03	110,100,117	0.0	0.0	0.0	0,0,0
2901	5.56e-03	0.12	7.25e-03	111,100,117	0.0	0.0	0.0	0,0,0
2902	7.63e-03	0.14	9.89e-03	109,100,117	0.0	0.0	0.0	0,0,0
2903	8.35e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0
2904	6.75e-03	0.07	8.72e-03	111,100,117	0.0	0.0	0.0	0,0,0
2905	5.55e-03	0.08	7.33e-03	110,100,117	0.0	0.0	0.0	0,0,0
2906	5.17e-03	0.10	6.81e-03	110,100,117	0.0	0.0	0.0	0,0,0
2907	5.48e-03	0.12	7.17e-03	100,100,117	0.0	0.0	0.0	0,0,0
2908	7.64e-03	0.14	9.73e-03	112,100,117	0.0	0.0	0.0	0,0,0
2909	8.42e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0

2910	6.83e-03	0.07	8.78e-03	111,100,117	0.0	0.0	0.0	0,0,0
2911	5.55e-03	0.08	7.30e-03	110,100,117	0.0	0.0	0.0	0,0,0
2912	5.16e-03	0.10	6.77e-03	110,100,117	0.0	0.0	0.0	0,0,0
2913	5.78e-03	0.12	7.51e-03	100,100,117	0.0	0.0	0.0	0,0,0
2914	7.57e-03	0.14	9.87e-03	109,100,117	0.0	0.0	0.0	0,0,0
2915	8.50e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0
2916	6.92e-03	0.07	8.86e-03	111,100,117	0.0	0.0	0.0	0,0,0
2917	5.55e-03	0.08	7.25e-03	110,100,117	0.0	0.0	0.0	0,0,0
2918	5.17e-03	0.10	6.73e-03	110,100,117	0.0	0.0	0.0	0,0,0
2919	5.85e-03	0.12	7.58e-03	100,100,117	0.0	0.0	0.0	0,0,0
2920	7.66e-03	0.14	9.68e-03	112,100,117	0.0	0.0	0.0	0,0,0
2921	8.60e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0
2922	7.03e-03	0.07	8.98e-03	111,100,117	0.0	0.0	0.0	0,0,0
2923	5.54e-03	0.08	7.19e-03	110,100,117	0.0	0.0	0.0	0,0,0
2924	5.15e-03	0.10	6.66e-03	110,100,117	0.0	0.0	0.0	0,0,0
2925	6.17e-03	0.11	8.01e-03	100,100,117	0.0	0.0	0.0	0,0,0
2926	7.45e-03	0.13	9.78e-03	99,100,117	0.0	0.0	0.0	0,0,0
2927	8.73e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0
2928	7.17e-03	0.06	9.13e-03	111,100,117	0.0	0.0	0.0	0,0,0
2929	5.57e-03	0.08	7.10e-03	111,100,117	0.0	0.0	0.0	0,0,0
2930	5.13e-03	0.09	6.58e-03	112,100,117	0.0	0.0	0.0	0,0,0
2931	6.12e-03	0.11	8.00e-03	100,100,117	0.0	0.0	0.0	0,0,0
2932	7.61e-03	0.13	9.62e-03	112,112,117	0.0	0.0	0.0	0,0,0
2933	8.89e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0
2934	7.34e-03	0.06	9.32e-03	111,100,117	0.0	0.0	0.0	0,0,0
2935	5.73e-03	0.08	7.20e-03	111,100,117	0.0	0.0	0.0	0,0,0
2936	5.14e-03	0.09	6.73e-03	104,100,117	0.0	0.0	0.0	0,0,0
2937	6.37e-03	0.11	8.28e-03	112,112,117	0.0	0.0	0.0	0,0,0
2938	7.41e-03	0.13	9.60e-03	110,100,117	0.0	0.0	0.0	0,0,0
2939	9.10e-03	0.05	0.01	111,100,117	0.0	0.0	0.0	0,0,0
2940	7.54e-03	0.06	9.57e-03	111,100,117	0.0	0.0	0.0	0,0,0
2941	5.93e-03	0.07	7.41e-03	111,100,117	0.0	0.0	0.0	0,0,0
2942	5.35e-03	0.09	6.76e-03	112,112,117	0.0	0.0	0.0	0,0,0
2943	6.33e-03	0.11	8.12e-03	112,112,117	0.0	0.0	0.0	0,0,0
2944	7.29e-03	0.12	9.28e-03	106,110,117	0.0	0.0	0.0	0,0,0
2945	9.37e-03	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2946	7.78e-03	0.06	9.88e-03	111,100,117	0.0	0.0	0.0	0,0,0
2947	6.14e-03	0.07	7.69e-03	111,112,117	0.0	0.0	0.0	0,0,0
2948	5.53e-03	0.09	6.60e-03	112,112,117	0.0	0.0	0.0	0,0,0
2949	6.60e-03	0.11	8.31e-03	112,112,117	0.0	0.0	0.0	0,0,0
2950	7.89e-03	0.14	9.68e-03	110,112,117	0.0	0.0	0.0	0,0,0
2951	9.73e-03	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2952	8.06e-03	0.06	0.01	111,112,117	0.0	0.0	0.0	0,0,0
2953	6.38e-03	0.07	8.02e-03	111,112,117	0.0	0.0	0.0	0,0,0
2954	5.49e-03	0.09	6.04e-03	108,112,117	0.0	0.0	0.0	0,0,0
2955	6.61e-03	0.10	7.93e-03	108,112,117	0.0	0.0	0.0	0,0,0
2956	8.35e-03	0.13	9.85e-03	112,112,117	0.0	0.0	0.0	0,0,0
2957	0.01	0.05	0.01	100,112,117	0.0	0.0	0.0	0,0,0
2958	8.38e-03	0.06	0.01	111,112,117	0.0	0.0	0.0	0,0,0
2959	6.67e-03	0.07	8.38e-03	111,112,117	0.0	0.0	0.0	0,0,0
2960	5.21e-03	0.08	6.12e-03	108,112,117	0.0	0.0	0.0	0,0,0
2961	6.64e-03	0.10	8.02e-03	112,112,117	0.0	0.0	0.0	0,0,0
2962	7.42e-03	0.13	8.55e-03	112,112,117	0.0	0.0	0.0	0,0,0
2963	0.01	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2964	8.75e-03	0.06	0.01	100,112,117	0.0	0.0	0.0	0,0,0
2965	7.01e-03	0.07	8.80e-03	111,112,117	0.0	0.0	0.0	0,0,0
2966	5.20e-03	0.08	6.43e-03	108,112,117	0.0	0.0	0.0	0,0,0
2967	6.75e-03	0.10	8.08e-03	112,112,117	0.0	0.0	0.0	0,0,0
2968	8.32e-03	0.17	0.01	112,112,117	0.0	0.0	0.0	0,0,0
2969	0.01	0.05	0.01	100,100,117	0.0	0.0	0.0	0,0,0
2970	9.17e-03	0.05	0.01	100,112,117	0.0	0.0	0.0	0,0,0
2971	7.38e-03	0.06	9.29e-03	111,112,117	0.0	0.0	0.0	0,0,0
2972	5.45e-03	0.08	6.82e-03	111,112,117	0.0	0.0	0.0	0,0,0
2973	6.82e-03	0.09	8.04e-03	108,112,117	0.0	0.0	0.0	0,0,0
2974	0.01	0.12	0.01	112,112,117	0.0	0.0	0.0	0,0,0
2975	0.01	0.05	0.01	100,99,117	0.0	0.0	0.0	0,0,0
2976	9.64e-03	0.05	0.01	100,112,117	0.0	0.0	0.0	0,0,0
2977	7.79e-03	0.06	9.81e-03	111,112,117	0.0	0.0	0.0	0,0,0
2978	5.77e-03	0.07	7.18e-03	111,112,117	0.0	0.0	0.0	0,0,0
2979	6.45e-03	0.09	7.73e-03	108,112,117	0.0	0.0	0.0	0,0,0
2980	0.01	0.12	0.01	110,110,117	0.0	0.0	0.0	0,0,0
2981	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
2982	0.01	0.05	0.01	100,112,117	0.0	0.0	0.0	0,0,0
2983	8.26e-03	0.06	0.01	111,112,117	0.0	0.0	0.0	0,0,0
2984	6.12e-03	0.07	7.60e-03	111,112,117	0.0	0.0	0.0	0,0,0
2985	4.83e-03	0.09	6.16e-03	112,110,117	0.0	0.0	0.0	0,0,0
2986	0.01	0.14	0.01	110,110,117	0.0	0.0	0.0	0,0,0

2987	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
2988	0.01	0.05	0.01	100,110,117	0.0	0.0	0.0	0,0,0
2989	8.94e-03	0.05	0.01	111,112,117	0.0	0.0	0.0	0,0,0
2990	6.60e-03	0.06	8.11e-03	111,112,117	0.0	0.0	0.0	0,0,0
2991	4.82e-03	0.08	6.00e-03	112,112,117	0.0	0.0	0.0	0,0,0
2992	7.82e-03	0.12	9.28e-03	110,112,117	0.0	0.0	0.0	0,0,0
2993	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
2994	0.01	0.05	0.01	100,110,117	0.0	0.0	0.0	0,0,0
2995	9.78e-03	0.05	0.01	111,110,117	0.0	0.0	0.0	0,0,0
2996	7.29e-03	0.05	8.96e-03	111,112,117	0.0	0.0	0.0	0,0,0
2997	5.35e-03	0.07	6.94e-03	102,112,117	0.0	0.0	0.0	0,0,0
2998	6.83e-03	0.08	8.58e-03	112,112,117	0.0	0.0	0.0	0,0,0
2999	0.01	0.06	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3000	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3001	0.01	0.05	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3002	8.20e-03	0.05	0.01	111,112,117	0.0	0.0	0.0	0,0,0
3003	5.78e-03	0.06	7.02e-03	108,112,117	0.0	0.0	0.0	0,0,0
3004	6.71e-03	0.08	8.39e-03	107,112,117	0.0	0.0	0.0	0,0,0
3005	0.02	0.06	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3006	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3007	0.01	0.05	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3008	9.32e-03	0.04	0.01	111,110,117	0.0	0.0	0.0	0,0,0
3009	6.18e-03	0.05	7.37e-03	112,112,117	0.0	0.0	0.0	0,0,0
3010	7.00e-03	0.07	8.82e-03	109,112,117	0.0	0.0	0.0	0,0,0
3011	0.02	0.06	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3012	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3013	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3014	0.01	0.04	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3015	6.87e-03	0.04	8.54e-03	100,112,117	0.0	0.0	0.0	0,0,0
3016	0.01	0.07	0.01	109,112,117	0.0	0.0	0.0	0,0,0
3017	0.02	0.06	0.02	100,112,117	0.0	0.0	0.0	0,0,0
3018	0.02	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3019	0.01	0.05	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3020	0.01	0.04	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3021	8.57e-03	0.04	0.01	100,112,117	0.0	0.0	0.0	0,0,0
3022	0.01	0.07	0.02	99,112,117	0.0	0.0	0.0	0,0,0
3023	0.02	0.06	0.02	100,112,117	0.0	0.0	0.0	0,0,0
3024	0.02	0.05	0.02	100,99,117	0.0	0.0	0.0	0,0,0
3025	0.02	0.05	0.02	109,99,117	0.0	0.0	0.0	0,0,0
3026	0.01	0.05	0.02	109,99,117	0.0	0.0	0.0	0,0,0
3027	0.01	0.03	0.01	99,99,117	0.0	0.0	0.0	0,0,0
3028	0.02	0.09	0.03	99,112,117	0.0	0.0	0.0	0,0,0
3029	0.02	0.06	0.02	109,100,117	0.0	0.0	0.0	0,0,0
3030	0.02	0.06	0.02	109,109,117	0.0	0.0	0.0	0,0,0
3031	0.02	0.06	0.02	109,109,117	0.0	0.0	0.0	0,0,0
3032	0.02	0.06	0.02	109,99,117	0.0	0.0	0.0	0,0,0
3033	0.02	0.05	0.02	109,109,117	0.0	0.0	0.0	0,0,0
3034	0.03	0.14	0.04	100,112,117	0.0	0.0	0.0	0,0,0
3035	0.03	0.08	0.04	109,100,117	0.0	0.0	0.0	0,0,0
3036	0.03	0.08	0.04	109,109,117	0.0	0.0	0.0	0,0,0
3037	0.04	0.08	0.04	109,99,117	0.0	0.0	0.0	0,0,0
3038	0.04	0.09	0.05	109,99,117	0.0	0.0	0.0	0,0,0
3039	0.04	0.08	0.05	109,99,117	0.0	0.0	0.0	0,0,0
3040	0.07	0.19	0.08	100,112,117	0.0	0.0	0.0	0,0,0
3041	0.07	0.14	0.07	112,110,117	0.0	0.0	0.0	0,0,0
3042	0.08	0.18	0.08	112,110,117	0.0	0.0	0.0	0,0,0
3043	0.08	0.20	0.08	112,110,117	0.0	0.0	0.0	0,0,0
3044	0.08	0.21	0.09	112,110,117	0.0	0.0	0.0	0,0,0
3045	0.08	0.21	0.08	112,110,117	0.0	0.0	0.0	0,0,0
3046	0.17	0.48	0.21	111,109,117	0.0	0.0	0.0	0,0,0
3047	0.05	0.08	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3048	0.05	0.10	0.05	112,110,117	0.0	0.0	0.0	0,0,0
3049	0.05	0.11	0.05	112,110,117	0.0	0.0	0.0	0,0,0
3050	0.05	0.12	0.06	99,110,117	0.0	0.0	0.0	0,0,0
3051	0.07	0.11	0.09	99,110,117	0.0	0.0	0.0	0,0,0
3052	0.16	0.20	0.20	99,110,117	0.0	0.0	0.0	0,0,0
3053	0.04	0.05	0.05	99,112,117	0.0	0.0	0.0	0,0,0
3054	0.04	0.07	0.05	99,112,117	0.0	0.0	0.0	0,0,0
3055	0.04	0.07	0.05	99,110,117	0.0	0.0	0.0	0,0,0
3056	0.05	0.08	0.06	99,110,117	0.0	0.0	0.0	0,0,0
3057	0.07	0.08	0.09	99,110,117	0.0	0.0	0.0	0,0,0
3058	0.15	0.22	0.19	99,110,117	0.0	0.0	0.0	0,0,0
3059	0.04	0.06	0.06	99,112,117	0.0	0.0	0.0	0,0,0
3060	0.04	0.09	0.05	99,100,117	0.0	0.0	0.0	0,0,0
3061	0.05	0.08	0.06	99,100,117	0.0	0.0	0.0	0,0,0
3062	0.06	0.08	0.07	99,99,117	0.0	0.0	0.0	0,0,0
3063	0.07	0.06	0.09	99,99,117	0.0	0.0	0.0	0,0,0

3064	0.16	0.17	0.19	99,110,117	0.0	0.0	0.0	0,0,0
3065	0.07	0.21	0.08	110,100,117	0.0	0.0	0.0	0,0,0
3066	0.04	0.14	0.05	110,100,117	0.0	0.0	0.0	0,0,0
3067	0.05	0.13	0.06	110,99,117	0.0	0.0	0.0	0,0,0
3068	0.06	0.10	0.07	99,99,117	0.0	0.0	0.0	0,0,0
3069	0.07	0.07	0.09	99,99,117	0.0	0.0	0.0	0,0,0
3070	0.16	0.18	0.20	99,110,117	0.0	0.0	0.0	0,0,0
3071	0.05	0.35	0.06	110,99,117	0.0	0.0	0.0	0,0,0
3072	0.04	0.18	0.05	110,99,117	0.0	0.0	0.0	0,0,0
3073	0.05	0.15	0.06	110,99,117	0.0	0.0	0.0	0,0,0
3074	0.05	0.12	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3075	0.07	0.08	0.09	100,99,117	0.0	0.0	0.0	0,0,0
3076	0.15	0.11	0.18	99,110,117	0.0	0.0	0.0	0,0,0
3077	0.04	0.43	0.04	110,112,117	0.0	0.0	0.0	0,0,0
3078	0.04	0.25	0.04	110,112,117	0.0	0.0	0.0	0,0,0
3079	0.04	0.14	0.05	110,99,117	0.0	0.0	0.0	0,0,0
3080	0.06	0.11	0.07	112,110,117	0.0	0.0	0.0	0,0,0
3081	0.07	0.08	0.09	99,99,117	0.0	0.0	0.0	0,0,0
3082	0.13	0.10	0.16	100,109,117	0.0	0.0	0.0	0,0,0
3083	0.02	0.44	0.02	110,110,117	0.0	0.0	0.0	0,0,0
3084	0.03	0.25	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3085	0.04	0.14	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3086	0.05	0.08	0.07	112,110,117	0.0	0.0	0.0	0,0,0
3087	0.07	0.06	0.09	100,99,117	0.0	0.0	0.0	0,0,0
3088	0.13	0.10	0.16	99,109,117	0.0	0.0	0.0	0,0,0
3089	0.03	0.44	0.04	112,112,117	0.0	0.0	0.0	0,0,0
3090	0.04	0.26	0.04	112,110,117	0.0	0.0	0.0	0,0,0
3091	0.04	0.15	0.05	110,112,117	0.0	0.0	0.0	0,0,0
3092	0.05	0.10	0.07	110,112,117	0.0	0.0	0.0	0,0,0
3093	0.07	0.06	0.09	99,112,117	0.0	0.0	0.0	0,0,0
3094	0.13	0.10	0.17	100,109,117	0.0	0.0	0.0	0,0,0
3095	0.06	0.44	0.07	112,112,117	0.0	0.0	0.0	0,0,0
3096	0.04	0.20	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3097	0.05	0.16	0.06	112,112,117	0.0	0.0	0.0	0,0,0
3098	0.05	0.11	0.07	112,112,117	0.0	0.0	0.0	0,0,0
3099	0.07	0.06	0.09	99,112,117	0.0	0.0	0.0	0,0,0
3100	0.14	0.10	0.17	100,99,117	0.0	0.0	0.0	0,0,0
3101	0.07	0.25	0.09	112,112,117	0.0	0.0	0.0	0,0,0
3102	0.05	0.17	0.06	112,110,117	0.0	0.0	0.0	0,0,0
3103	0.05	0.15	0.06	112,112,117	0.0	0.0	0.0	0,0,0
3104	0.05	0.11	0.07	112,112,117	0.0	0.0	0.0	0,0,0
3105	0.07	0.06	0.09	100,112,117	0.0	0.0	0.0	0,0,0
3106	0.17	0.13	0.21	100,100,117	0.0	0.0	0.0	0,0,0
3107	0.05	0.10	0.06	112,110,117	0.0	0.0	0.0	0,0,0
3108	0.04	0.12	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3109	0.05	0.12	0.06	112,112,117	0.0	0.0	0.0	0,0,0
3110	0.05	0.10	0.07	112,112,117	0.0	0.0	0.0	0,0,0
3111	0.07	0.06	0.09	100,112,117	0.0	0.0	0.0	0,0,0
3112	0.15	0.14	0.18	100,100,117	0.0	0.0	0.0	0,0,0
3113	0.04	0.04	0.05	112,109,117	0.0	0.0	0.0	0,0,0
3114	0.04	0.07	0.05	112,110,117	0.0	0.0	0.0	0,0,0
3115	0.04	0.07	0.05	112,110,117	0.0	0.0	0.0	0,0,0
3116	0.05	0.06	0.06	112,112,117	0.0	0.0	0.0	0,0,0
3117	0.07	0.04	0.09	100,100,117	0.0	0.0	0.0	0,0,0
3118	0.15	0.15	0.19	100,112,117	0.0	0.0	0.0	0,0,0
3119	0.03	0.05	0.03	112,110,117	0.0	0.0	0.0	0,0,0
3120	0.03	0.05	0.04	112,110,117	0.0	0.0	0.0	0,0,0
3121	0.03	0.06	0.04	112,110,117	0.0	0.0	0.0	0,0,0
3122	0.04	0.06	0.05	100,110,117	0.0	0.0	0.0	0,0,0
3123	0.06	0.06	0.08	100,110,117	0.0	0.0	0.0	0,0,0
3124	0.15	0.21	0.19	100,99,117	0.0	0.0	0.0	0,0,0
3125	0.03	0.09	0.04	110,112,117	0.0	0.0	0.0	0,0,0
3126	0.04	0.10	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3127	0.04	0.11	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3128	0.04	0.12	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3129	0.05	0.12	0.07	100,110,117	0.0	0.0	0.0	0,0,0
3130	0.17	0.19	0.21	100,99,117	0.0	0.0	0.0	0,0,0
3131	0.08	0.12	0.09	112,99,117	0.0	0.0	0.0	0,0,0
3132	0.05	0.07	0.06	112,110,117	0.0	0.0	0.0	0,0,0
3133	0.05	0.07	0.06	112,110,117	0.0	0.0	0.0	0,0,0
3134	0.06	0.05	0.07	112,112,117	0.0	0.0	0.0	0,0,0
3135	0.08	0.05	0.10	110,100,117	0.0	0.0	0.0	0,0,0
3136	0.14	0.17	0.18	99,110,117	0.0	0.0	0.0	0,0,0
3137	0.05	0.03	0.06	112,112,117	0.0	0.0	0.0	0,0,0
3138	0.05	0.04	0.06	112,99,117	0.0	0.0	0.0	0,0,0
3139	0.05	0.04	0.06	112,110,117	0.0	0.0	0.0	0,0,0
3140	0.06	0.04	0.07	112,110,117	0.0	0.0	0.0	0,0,0

3141	0.08	0.05	0.10	112,100,117	0.0	0.0	0.0	0,0,0
3142	0.15	0.18	0.19	100,110,117	0.0	0.0	0.0	0,0,0
3143	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3144	0.04	0.03	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3145	0.05	0.03	0.06	112,100,117	0.0	0.0	0.0	0,0,0
3146	0.05	0.04	0.07	112,100,117	0.0	0.0	0.0	0,0,0
3147	0.08	0.05	0.10	100,100,117	0.0	0.0	0.0	0,0,0
3148	0.15	0.23	0.19	100,110,117	0.0	0.0	0.0	0,0,0
3149	0.03	0.05	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3150	0.04	0.06	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3151	0.04	0.06	0.05	100,110,117	0.0	0.0	0.0	0,0,0
3152	0.05	0.07	0.06	100,110,117	0.0	0.0	0.0	0,0,0
3153	0.07	0.06	0.09	100,110,117	0.0	0.0	0.0	0,0,0
3154	0.16	0.20	0.20	100,110,117	0.0	0.0	0.0	0,0,0
3155	0.06	0.12	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3156	0.07	0.14	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3157	0.07	0.15	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3158	0.06	0.16	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3159	0.07	0.15	0.08	100,110,117	0.0	0.0	0.0	0,0,0
3160	0.16	0.22	0.20	100,110,117	0.0	0.0	0.0	0,0,0
3161	0.08	0.24	0.09	110,99,117	0.0	0.0	0.0	0,0,0
3162	0.05	0.13	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3163	0.05	0.10	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3164	0.07	0.08	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3165	0.08	0.07	0.10	99,110,117	0.0	0.0	0.0	0,0,0
3166	0.13	0.12	0.16	99,109,117	0.0	0.0	0.0	0,0,0
3167	0.04	0.30	0.04	112,110,117	0.0	0.0	0.0	0,0,0
3168	0.04	0.12	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3169	0.06	0.09	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3170	0.07	0.07	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3171	0.08	0.07	0.10	99,110,117	0.0	0.0	0.0	0,0,0
3172	0.14	0.12	0.17	99,99,117	0.0	0.0	0.0	0,0,0
3173	0.04	0.29	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3174	0.04	0.11	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3175	0.06	0.06	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3176	0.07	0.05	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3177	0.08	0.06	0.10	99,110,117	0.0	0.0	0.0	0,0,0
3178	0.14	0.12	0.17	100,99,117	0.0	0.0	0.0	0,0,0
3179	0.04	0.28	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3180	0.04	0.09	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3181	0.05	0.07	0.06	110,112,117	0.0	0.0	0.0	0,0,0
3182	0.07	0.05	0.08	110,112,117	0.0	0.0	0.0	0,0,0
3183	0.08	0.06	0.10	99,99,117	0.0	0.0	0.0	0,0,0
3184	0.14	0.12	0.17	99,109,117	0.0	0.0	0.0	0,0,0
3185	0.08	0.26	0.09	112,100,117	0.0	0.0	0.0	0,0,0
3186	0.05	0.10	0.06	112,100,117	0.0	0.0	0.0	0,0,0
3187	0.05	0.08	0.06	112,112,117	0.0	0.0	0.0	0,0,0
3188	0.06	0.05	0.08	110,112,117	0.0	0.0	0.0	0,0,0
3189	0.08	0.05	0.10	99,99,117	0.0	0.0	0.0	0,0,0
3190	0.15	0.12	0.18	100,110,117	0.0	0.0	0.0	0,0,0
3191	0.04	0.10	0.04	112,112,117	0.0	0.0	0.0	0,0,0
3192	0.05	0.11	0.04	112,112,117	0.0	0.0	0.0	0,0,0
3193	0.05	0.11	0.04	112,112,117	0.0	0.0	0.0	0,0,0
3194	0.05	0.11	0.05	112,112,117	0.0	0.0	0.0	0,0,0
3195	0.05	0.11	0.06	103,112,117	0.0	0.0	0.0	0,0,0
3196	0.16	0.18	0.19	99,109,117	0.0	0.0	0.0	0,0,0
3197	0.03	0.06	0.03	112,112,117	0.0	0.0	0.0	0,0,0
3198	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
3199	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
3200	0.03	0.06	0.04	110,112,117	0.0	0.0	0.0	0,0,0
3201	0.06	0.06	0.07	110,112,117	0.0	0.0	0.0	0,0,0
3202	0.15	0.19	0.18	99,99,117	0.0	0.0	0.0	0,0,0
3203	0.02	0.04	0.03	110,104,117	0.0	0.0	0.0	0,0,0
3204	0.03	0.04	0.03	110,104,117	0.0	0.0	0.0	0,0,0
3205	0.03	0.03	0.04	110,104,117	0.0	0.0	0.0	0,0,0
3206	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3207	0.07	0.06	0.09	110,110,117	0.0	0.0	0.0	0,0,0
3208	0.15	0.16	0.19	99,99,117	0.0	0.0	0.0	0,0,0
3209	0.03	0.02	0.03	110,110,117	0.0	0.0	0.0	0,0,0
3210	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3211	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3212	0.05	0.04	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3213	0.08	0.08	0.09	110,110,117	0.0	0.0	0.0	0,0,0
3214	0.15	0.15	0.18	99,99,117	0.0	0.0	0.0	0,0,0
3215	0.03	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3216	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3217	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0

3218	0.06	0.05	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3219	0.08	0.08	0.10	110,110,117	0.0	0.0	0.0	0,0,0
3220	0.15	0.16	0.19	99,99,117	0.0	0.0	0.0	0,0,0
3221	0.04	0.02	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3222	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3223	0.05	0.04	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3224	0.06	0.05	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3225	0.08	0.08	0.10	110,110,117	0.0	0.0	0.0	0,0,0
3226	0.15	0.15	0.18	99,99,117	0.0	0.0	0.0	0,0,0
3227	0.04	0.03	0.04	110,110,117	0.0	0.0	0.0	0,0,0
3228	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3229	0.05	0.04	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3230	0.06	0.05	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3231	0.08	0.08	0.10	110,110,117	0.0	0.0	0.0	0,0,0
3232	0.15	0.15	0.18	99,99,117	0.0	0.0	0.0	0,0,0
3233	0.04	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3234	0.05	0.04	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3235	0.05	0.04	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3236	0.07	0.05	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3237	0.08	0.08	0.10	110,110,117	0.0	0.0	0.0	0,0,0
3238	0.15	0.14	0.18	100,99,117	0.0	0.0	0.0	0,0,0
3239	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3240	0.05	0.04	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3241	0.06	0.05	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3242	0.07	0.05	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3243	0.08	0.07	0.10	110,110,117	0.0	0.0	0.0	0,0,0
3244	0.15	0.14	0.18	99,99,117	0.0	0.0	0.0	0,0,0
3245	0.05	0.03	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3246	0.05	0.04	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3247	0.06	0.05	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3248	0.07	0.05	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3249	0.08	0.06	0.10	110,110,117	0.0	0.0	0.0	0,0,0
3250	0.14	0.13	0.18	100,100,117	0.0	0.0	0.0	0,0,0
3251	0.05	0.03	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3252	0.05	0.05	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3253	0.06	0.05	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3254	0.07	0.05	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3255	0.08	0.06	0.10	99,110,117	0.0	0.0	0.0	0,0,0
3256	0.15	0.14	0.18	99,99,117	0.0	0.0	0.0	0,0,0
3257	0.05	0.04	0.06	110,112,117	0.0	0.0	0.0	0,0,0
3258	0.06	0.06	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3259	0.06	0.06	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3260	0.07	0.06	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3261	0.08	0.05	0.10	99,99,117	0.0	0.0	0.0	0,0,0
3262	0.14	0.12	0.17	100,111,117	0.0	0.0	0.0	0,0,0
3263	0.06	0.05	0.06	110,112,117	0.0	0.0	0.0	0,0,0
3264	0.06	0.07	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3265	0.06	0.07	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3266	0.07	0.06	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3267	0.08	0.05	0.10	100,110,117	0.0	0.0	0.0	0,0,0
3268	0.14	0.12	0.17	99,109,117	0.0	0.0	0.0	0,0,0
3269	0.06	0.08	0.07	110,112,117	0.0	0.0	0.0	0,0,0
3270	0.06	0.09	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3271	0.06	0.09	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3272	0.07	0.07	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3273	0.08	0.06	0.10	99,110,117	0.0	0.0	0.0	0,0,0
3274	0.13	0.12	0.17	99,109,117	0.0	0.0	0.0	0,0,0
3275	0.08	0.18	0.09	110,110,117	0.0	0.0	0.0	0,0,0
3276	0.06	0.12	0.06	110,110,117	0.0	0.0	0.0	0,0,0
3277	0.06	0.10	0.07	110,110,117	0.0	0.0	0.0	0,0,0
3278	0.07	0.07	0.08	110,110,117	0.0	0.0	0.0	0,0,0
3279	0.08	0.07	0.10	99,110,117	0.0	0.0	0.0	0,0,0
3280	0.15	0.13	0.18	99,109,117	0.0	0.0	0.0	0,0,0
3281	0.01	0.09	0.01	102,112,117	0.0	0.0	0.0	0,0,0
3282	9.80e-03	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3283	8.62e-03	0.06	7.65e-03	102,99,117	0.0	0.0	0.0	0,0,0
3284	0.01	0.07	0.01	105,112,117	0.0	0.0	0.0	0,0,0
3285	0.01	0.05	0.01	102,110,117	0.0	0.0	0.0	0,0,0
3286	9.14e-03	0.06	8.14e-03	102,99,117	0.0	0.0	0.0	0,0,0
3287	0.01	0.05	0.01	104,110,117	0.0	0.0	0.0	0,0,0
3288	0.01	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3289	0.01	0.05	8.78e-03	102,99,117	0.0	0.0	0.0	0,0,0
3290	0.02	0.05	0.02	104,99,117	0.0	0.0	0.0	0,0,0
3291	0.01	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3292	0.01	0.07	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3293	0.02	0.04	0.02	104,110,117	0.0	0.0	0.0	0,0,0
3294	0.01	0.06	0.01	102,99,117	0.0	0.0	0.0	0,0,0

3295	0.01	0.07	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3296	0.02	0.05	0.02	104,110,117	0.0	0.0	0.0	0,0,0
3297	0.01	0.06	0.01	104,99,117	0.0	0.0	0.0	0,0,0
3298	0.01	0.08	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3299	0.01	0.06	0.01	104,110,117	0.0	0.0	0.0	0,0,0
3300	0.01	0.07	0.01	104,99,117	0.0	0.0	0.0	0,0,0
3301	0.01	0.09	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3302	0.01	0.06	0.01	102,110,117	0.0	0.0	0.0	0,0,0
3303	0.01	0.07	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3304	0.01	0.09	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3305	0.01	0.07	0.01	108,112,117	0.0	0.0	0.0	0,0,0
3306	0.01	0.08	0.01	102,112,117	0.0	0.0	0.0	0,0,0
3307	0.01	0.10	0.02	104,99,117	0.0	0.0	0.0	0,0,0
3308	0.05	0.29	0.06	111,99,117	0.0	0.0	0.0	0,0,0
3309	0.02	0.09	0.02	104,112,117	0.0	0.0	0.0	0,0,0
3310	0.02	0.10	0.03	104,100,117	0.0	0.0	0.0	0,0,0
3311	0.01	0.05	0.02	102,110,117	0.0	0.0	0.0	0,0,0
3312	0.01	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3313	0.01	0.06	9.10e-03	102,99,117	0.0	0.0	0.0	0,0,0
3314	0.01	0.04	0.02	104,100,117	0.0	0.0	0.0	0,0,0
3315	0.01	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3316	0.01	0.06	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3317	0.02	0.12	0.01	108,112,117	0.0	0.0	0.0	0,0,0
3318	7.07e-03	0.06	7.82e-03	102,99,117	0.0	0.0	0.0	0,0,0
3319	5.00e-03	0.06	3.95e-03	102,99,117	0.0	0.0	0.0	0,0,0
3320	0.03	0.08	0.02	110,112,117	0.0	0.0	0.0	0,0,0
3321	7.69e-03	0.06	8.31e-03	102,99,117	0.0	0.0	0.0	0,0,0
3322	5.97e-03	0.06	5.14e-03	102,99,117	0.0	0.0	0.0	0,0,0
3323	0.01	0.06	7.81e-03	101,99,117	0.0	0.0	0.0	0,0,0
3324	5.18e-03	0.07	5.29e-03	103,99,117	0.0	0.0	0.0	0,0,0
3325	1.97e-03	0.09	2.49e-03	101,99,117	0.0	0.0	0.0	0,0,0
3326	1.00e-02	0.06	7.98e-03	101,99,117	0.0	0.0	0.0	0,0,0
3327	5.07e-03	0.07	5.89e-03	103,99,117	0.0	0.0	0.0	0,0,0
3328	2.23e-03	0.09	2.83e-03	102,99,117	0.0	0.0	0.0	0,0,0
3329	0.01	0.06	0.01	101,109,117	0.0	0.0	0.0	0,0,0
3330	6.25e-03	0.07	7.17e-03	108,109,117	0.0	0.0	0.0	0,0,0
3331	3.77e-03	0.09	3.77e-03	102,109,117	0.0	0.0	0.0	0,0,0
3332	9.71e-03	0.06	9.33e-03	101,109,117	0.0	0.0	0.0	0,0,0
3333	5.81e-03	0.07	6.42e-03	101,109,117	0.0	0.0	0.0	0,0,0
3334	3.06e-03	0.09	3.62e-03	108,109,117	0.0	0.0	0.0	0,0,0
3335	0.10	0.51	0.12	109,100,117	0.0	0.0	0.0	0,0,0
3336	0.10	0.18	0.11	109,109,117	0.0	0.0	0.0	0,0,0
3337	0.10	0.22	0.12	109,111,117	0.0	0.0	0.0	0,0,0
3338	0.08	0.43	0.10	99,99,117	0.0	0.0	0.0	0,0,0
3339	0.04	0.13	0.05	99,100,117	0.0	0.0	0.0	0,0,0
3340	0.04	0.07	0.05	99,109,117	0.0	0.0	0.0	0,0,0
3341	0.06	0.36	0.08	110,100,117	0.0	0.0	0.0	0,0,0
3342	0.04	0.10	0.05	110,99,117	0.0	0.0	0.0	0,0,0
3343	0.04	0.06	0.05	99,100,117	0.0	0.0	0.0	0,0,0
3344	0.05	0.35	0.06	99,99,117	0.0	0.0	0.0	0,0,0
3345	0.04	0.09	0.05	110,110,117	0.0	0.0	0.0	0,0,0
3346	0.04	0.05	0.04	99,99,117	0.0	0.0	0.0	0,0,0
3347	0.05	0.31	0.07	100,112,117	0.0	0.0	0.0	0,0,0
3348	0.03	0.07	0.04	110,112,117	0.0	0.0	0.0	0,0,0
3349	0.03	0.05	0.04	99,99,117	0.0	0.0	0.0	0,0,0
3350	0.05	0.31	0.06	99,99,117	0.0	0.0	0.0	0,0,0
3351	0.03	0.06	0.03	110,112,117	0.0	0.0	0.0	0,0,0
3352	0.03	0.03	0.03	99,110,117	0.0	0.0	0.0	0,0,0
3353	0.06	0.28	0.07	111,112,117	0.0	0.0	0.0	0,0,0
3354	0.02	0.05	0.02	110,112,117	0.0	0.0	0.0	0,0,0
3355	0.02	0.03	0.03	110,110,117	0.0	0.0	0.0	0,0,0
3356	0.05	0.29	0.06	100,110,117	0.0	0.0	0.0	0,0,0
3357	0.02	0.05	0.02	110,110,117	0.0	0.0	0.0	0,0,0
3358	0.02	0.02	0.02	110,110,117	0.0	0.0	0.0	0,0,0
3359	0.06	0.27	0.07	111,112,117	0.0	0.0	0.0	0,0,0
3360	0.02	0.04	0.02	112,112,117	0.0	0.0	0.0	0,0,0
3361	0.01	0.02	0.02	110,110,117	0.0	0.0	0.0	0,0,0
3362	0.05	0.28	0.06	100,110,117	0.0	0.0	0.0	0,0,0
3363	0.01	0.04	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3364	0.01	0.02	0.01	112,110,117	0.0	0.0	0.0	0,0,0
3365	0.06	0.26	0.07	111,112,117	0.0	0.0	0.0	0,0,0
3366	0.01	0.04	0.01	111,110,117	0.0	0.0	0.0	0,0,0
3367	9.43e-03	0.01	9.80e-03	112,110,117	0.0	0.0	0.0	0,0,0
3368	0.05	0.28	0.06	111,99,117	0.0	0.0	0.0	0,0,0
3369	0.01	0.04	0.01	111,110,117	0.0	0.0	0.0	0,0,0
3370	8.54e-03	0.01	8.57e-03	112,110,117	0.0	0.0	0.0	0,0,0
3371	0.05	0.27	0.06	109,112,117	0.0	0.0	0.0	0,0,0

3372	0.01	0.04	0.01	111,110,117	0.0	0.0	0.0	0,0,0
3373	9.95e-03	8.84e-03	0.01	112,110,117	0.0	0.0	0.0	0,0,0
3374	0.05	0.27	0.06	109,100,117	0.0	0.0	0.0	0,0,0
3375	0.01	0.04	0.01	111,112,117	0.0	0.0	0.0	0,0,0
3376	0.01	7.58e-03	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3377	0.06	0.29	0.07	109,112,117	0.0	0.0	0.0	0,0,0
3378	0.01	0.03	0.01	111,112,117	0.0	0.0	0.0	0,0,0
3379	0.01	8.22e-03	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3380	0.06	0.28	0.07	109,99,117	0.0	0.0	0.0	0,0,0
3381	9.25e-03	0.02	9.97e-03	112,109,117	0.0	0.0	0.0	0,0,0
3382	0.01	8.69e-03	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3383	0.06	0.27	0.06	109,112,117	0.0	0.0	0.0	0,0,0
3384	0.01	0.02	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3385	0.01	8.80e-03	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3386	0.06	0.29	0.07	111,110,117	0.0	0.0	0.0	0,0,0
3387	0.01	0.03	0.01	110,110,117	0.0	0.0	0.0	0,0,0
3388	0.01	8.79e-03	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3389	0.06	0.31	0.07	100,112,117	0.0	0.0	0.0	0,0,0
3390	0.01	0.05	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3391	0.01	0.02	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3392	0.07	0.31	0.08	111,110,117	0.0	0.0	0.0	0,0,0
3393	0.01	0.06	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3394	0.01	0.03	0.01	110,110,117	0.0	0.0	0.0	0,0,0
3395	0.06	0.34	0.07	100,112,117	0.0	0.0	0.0	0,0,0
3396	0.01	0.07	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3397	9.84e-03	0.04	0.01	112,110,117	0.0	0.0	0.0	0,0,0
3398	0.07	0.34	0.08	100,110,117	0.0	0.0	0.0	0,0,0
3399	0.01	0.08	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3400	9.84e-03	0.06	0.01	112,110,117	0.0	0.0	0.0	0,0,0
3401	0.06	0.38	0.07	100,110,117	0.0	0.0	0.0	0,0,0
3402	0.01	0.09	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3403	0.01	0.07	0.01	112,110,117	0.0	0.0	0.0	0,0,0
3404	0.07	0.35	0.09	100,110,117	0.0	0.0	0.0	0,0,0
3405	0.02	0.10	0.02	111,110,117	0.0	0.0	0.0	0,0,0
3406	0.01	0.12	0.01	112,110,117	0.0	0.0	0.0	0,0,0
3407	0.11	0.42	0.13	111,110,117	0.0	0.0	0.0	0,0,0
3408	0.03	0.11	0.04	109,99,117	0.0	0.0	0.0	0,0,0
3409	0.01	0.15	0.01	111,99,117	0.0	0.0	0.0	0,0,0
3410	0.11	0.38	0.13	111,110,117	0.0	0.0	0.0	0,0,0
3411	0.03	0.11	0.04	111,99,117	0.0	0.0	0.0	0,0,0
3412	9.91e-03	0.15	0.01	109,99,117	0.0	0.0	0.0	0,0,0
3413	0.07	0.33	0.09	100,112,117	0.0	0.0	0.0	0,0,0
3414	0.02	0.10	0.02	111,110,117	0.0	0.0	0.0	0,0,0
3415	8.50e-03	0.12	0.01	111,110,117	0.0	0.0	0.0	0,0,0
3416	0.06	0.38	0.07	99,110,117	0.0	0.0	0.0	0,0,0
3417	0.02	0.10	0.02	111,110,117	0.0	0.0	0.0	0,0,0
3418	8.88e-03	0.07	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3419	0.07	0.33	0.09	100,112,117	0.0	0.0	0.0	0,0,0
3420	0.02	0.09	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3421	0.01	0.05	0.01	100,110,117	0.0	0.0	0.0	0,0,0
3422	0.06	0.44	0.07	99,99,117	0.0	0.0	0.0	0,0,0
3423	0.02	0.08	0.02	100,110,117	0.0	0.0	0.0	0,0,0
3424	0.01	0.04	0.02	111,110,117	0.0	0.0	0.0	0,0,0
3425	0.07	0.33	0.08	109,112,117	0.0	0.0	0.0	0,0,0
3426	0.02	0.06	0.03	111,110,117	0.0	0.0	0.0	0,0,0
3427	0.02	0.02	0.03	100,110,117	0.0	0.0	0.0	0,0,0
3428	0.06	0.34	0.07	99,99,117	0.0	0.0	0.0	0,0,0
3429	0.02	0.05	0.03	100,110,117	0.0	0.0	0.0	0,0,0
3430	0.03	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
3431	0.07	0.28	0.08	109,100,117	0.0	0.0	0.0	0,0,0
3432	0.02	0.03	0.03	100,110,117	0.0	0.0	0.0	0,0,0
3433	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
3434	0.07	0.27	0.08	111,110,117	0.0	0.0	0.0	0,0,0
3435	0.02	0.03	0.03	100,112,117	0.0	0.0	0.0	0,0,0
3436	0.03	0.02	0.03	100,100,117	0.0	0.0	0.0	0,0,0
3437	0.05	0.35	0.07	100,100,117	0.0	0.0	0.0	0,0,0
3438	0.02	0.05	0.03	99,112,117	0.0	0.0	0.0	0,0,0
3439	0.03	0.02	0.03	99,99,117	0.0	0.0	0.0	0,0,0
3440	0.07	0.36	0.08	111,110,117	0.0	0.0	0.0	0,0,0
3441	0.02	0.06	0.03	110,112,117	0.0	0.0	0.0	0,0,0
3442	0.03	0.03	0.03	99,112,117	0.0	0.0	0.0	0,0,0
3443	0.06	0.36	0.07	100,100,117	0.0	0.0	0.0	0,0,0
3444	0.03	0.07	0.03	112,112,117	0.0	0.0	0.0	0,0,0
3445	0.03	0.04	0.04	100,100,117	0.0	0.0	0.0	0,0,0
3446	0.06	0.35	0.08	99,99,117	0.0	0.0	0.0	0,0,0
3447	0.04	0.09	0.04	100,99,117	0.0	0.0	0.0	0,0,0
3448	0.03	0.05	0.04	109,99,117	0.0	0.0	0.0	0,0,0

3449	0.05	0.43	0.06	112,99,117	0.0	0.0	0.0	0,0,0
3450	0.04	0.12	0.05	100,99,117	0.0	0.0	0.0	0,0,0
3451	0.03	0.06	0.04	109,99,117	0.0	0.0	0.0	0,0,0
3452	0.07	0.53	0.08	112,99,117	0.0	0.0	0.0	0,0,0
3453	0.05	0.13	0.06	111,99,117	0.0	0.0	0.0	0,0,0
3454	0.05	0.07	0.06	111,111,117	0.0	0.0	0.0	0,0,0
3455	0.04	0.14	0.04	103,107,117	0.0	0.0	0.0	0,0,0
3456	0.09	0.43	0.11	109,100,117	0.0	0.0	0.0	0,0,0
3457	0.10	0.20	0.11	110,99,117	0.0	0.0	0.0	0,0,0
3458	0.10	0.26	0.12	110,112,117	0.0	0.0	0.0	0,0,0
3459	0.07	0.36	0.09	111,100,117	0.0	0.0	0.0	0,0,0
3460	0.03	0.12	0.04	99,100,117	0.0	0.0	0.0	0,0,0
3461	0.04	0.07	0.05	99,110,117	0.0	0.0	0.0	0,0,0
3462	0.07	0.36	0.08	109,100,117	0.0	0.0	0.0	0,0,0
3463	0.04	0.11	0.05	109,100,117	0.0	0.0	0.0	0,0,0
3464	0.03	0.06	0.04	99,100,117	0.0	0.0	0.0	0,0,0
3465	0.06	0.31	0.06	109,111,117	0.0	0.0	0.0	0,0,0
3466	0.04	0.08	0.05	109,111,117	0.0	0.0	0.0	0,0,0
3467	0.03	0.05	0.04	99,100,117	0.0	0.0	0.0	0,0,0
3468	0.04	0.31	0.05	109,99,117	0.0	0.0	0.0	0,0,0
3469	0.04	0.07	0.05	109,111,117	0.0	0.0	0.0	0,0,0
3470	0.03	0.04	0.04	99,100,117	0.0	0.0	0.0	0,0,0
3471	0.04	0.27	0.05	112,111,117	0.0	0.0	0.0	0,0,0
3472	0.03	0.06	0.04	109,109,117	0.0	0.0	0.0	0,0,0
3473	0.03	0.03	0.04	99,109,117	0.0	0.0	0.0	0,0,0
3474	0.04	0.28	0.04	109,99,117	0.0	0.0	0.0	0,0,0
3475	0.03	0.05	0.03	109,111,117	0.0	0.0	0.0	0,0,0
3476	0.02	0.03	0.03	109,109,117	0.0	0.0	0.0	0,0,0
3477	0.04	0.26	0.05	112,111,117	0.0	0.0	0.0	0,0,0
3478	0.03	0.05	0.03	109,111,117	0.0	0.0	0.0	0,0,0
3479	0.02	0.02	0.03	109,111,117	0.0	0.0	0.0	0,0,0
3480	0.04	0.26	0.04	111,100,117	0.0	0.0	0.0	0,0,0
3481	0.02	0.04	0.02	109,111,117	0.0	0.0	0.0	0,0,0
3482	0.02	0.02	0.02	109,111,117	0.0	0.0	0.0	0,0,0
3483	0.04	0.24	0.05	112,111,117	0.0	0.0	0.0	0,0,0
3484	0.02	0.04	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3485	0.02	0.02	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3486	0.03	0.25	0.04	100,100,117	0.0	0.0	0.0	0,0,0
3487	0.02	0.04	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3488	0.01	0.01	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3489	0.04	0.23	0.04	112,111,117	0.0	0.0	0.0	0,0,0
3490	0.02	0.04	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3491	0.01	0.01	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3492	0.03	0.24	0.04	109,100,117	0.0	0.0	0.0	0,0,0
3493	0.02	0.03	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3494	0.01	9.55e-03	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3495	0.04	0.23	0.05	110,111,117	0.0	0.0	0.0	0,0,0
3496	0.01	0.03	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3497	0.01	9.99e-03	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3498	0.04	0.26	0.05	110,99,117	0.0	0.0	0.0	0,0,0
3499	0.01	0.03	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3500	0.01	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3501	0.04	0.22	0.04	112,111,117	0.0	0.0	0.0	0,0,0
3502	0.01	0.02	0.01	109,109,117	0.0	0.0	0.0	0,0,0
3503	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3504	0.04	0.25	0.05	112,109,117	0.0	0.0	0.0	0,0,0
3505	0.01	0.03	0.01	109,109,117	0.0	0.0	0.0	0,0,0
3506	0.02	0.01	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3507	0.04	0.27	0.04	112,99,117	0.0	0.0	0.0	0,0,0
3508	0.02	0.04	0.01	109,109,117	0.0	0.0	0.0	0,0,0
3509	0.02	0.01	0.02	111,109,117	0.0	0.0	0.0	0,0,0
3510	0.04	0.27	0.05	112,109,117	0.0	0.0	0.0	0,0,0
3511	0.02	0.05	0.02	111,109,117	0.0	0.0	0.0	0,0,0
3512	0.01	0.02	0.02	111,109,117	0.0	0.0	0.0	0,0,0
3513	0.04	0.30	0.05	100,109,117	0.0	0.0	0.0	0,0,0
3514	0.01	0.06	0.01	109,109,117	0.0	0.0	0.0	0,0,0
3515	0.01	0.03	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3516	0.05	0.28	0.06	112,109,117	0.0	0.0	0.0	0,0,0
3517	0.01	0.07	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3518	9.31e-03	0.05	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3519	0.04	0.33	0.05	100,109,117	0.0	0.0	0.0	0,0,0
3520	0.01	0.09	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3521	9.09e-03	0.06	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3522	0.05	0.30	0.06	100,109,117	0.0	0.0	0.0	0,0,0
3523	9.20e-03	0.10	0.01	100,109,117	0.0	0.0	0.0	0,0,0
3524	8.26e-03	0.09	9.83e-03	109,109,117	0.0	0.0	0.0	0,0,0
3525	0.04	0.34	0.05	112,109,117	0.0	0.0	0.0	0,0,0

3526	9.92e-03	0.11	9.73e-03	112,109,117	0.0	0.0	0.0	0,0,0
3527	7.52e-03	0.15	8.83e-03	111,109,117	0.0	0.0	0.0	0,0,0
3528	0.08	0.33	0.09	112,109,117	0.0	0.0	0.0	0,0,0
3529	0.02	0.12	0.02	112,109,117	0.0	0.0	0.0	0,0,0
3530	6.91e-03	0.19	8.14e-03	112,109,117	0.0	0.0	0.0	0,0,0
3531	0.08	0.28	0.09	112,109,117	0.0	0.0	0.0	0,0,0
3532	0.02	0.12	0.02	112,109,117	0.0	0.0	0.0	0,0,0
3533	6.60e-03	0.19	5.90e-03	112,109,117	0.0	0.0	0.0	0,0,0
3534	0.05	0.28	0.06	112,111,117	0.0	0.0	0.0	0,0,0
3535	0.01	0.10	0.01	112,109,117	0.0	0.0	0.0	0,0,0
3536	7.15e-03	0.15	7.28e-03	110,109,117	0.0	0.0	0.0	0,0,0
3537	0.04	0.33	0.05	109,109,117	0.0	0.0	0.0	0,0,0
3538	0.01	0.10	0.01	112,109,117	0.0	0.0	0.0	0,0,0
3539	7.06e-03	0.09	8.55e-03	100,109,117	0.0	0.0	0.0	0,0,0
3540	0.05	0.29	0.06	112,111,117	0.0	0.0	0.0	0,0,0
3541	0.01	0.09	0.01	111,109,117	0.0	0.0	0.0	0,0,0
3542	9.72e-03	0.06	0.01	112,109,117	0.0	0.0	0.0	0,0,0
3543	0.05	0.39	0.06	109,99,117	0.0	0.0	0.0	0,0,0
3544	0.01	0.09	0.02	100,109,117	0.0	0.0	0.0	0,0,0
3545	0.02	0.05	0.02	112,109,117	0.0	0.0	0.0	0,0,0
3546	0.05	0.29	0.06	110,111,117	0.0	0.0	0.0	0,0,0
3547	0.02	0.07	0.02	109,109,117	0.0	0.0	0.0	0,0,0
3548	0.02	0.03	0.03	100,109,117	0.0	0.0	0.0	0,0,0
3549	0.05	0.30	0.06	109,99,117	0.0	0.0	0.0	0,0,0
3550	0.02	0.06	0.03	100,109,117	0.0	0.0	0.0	0,0,0
3551	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
3552	0.05	0.26	0.06	110,100,117	0.0	0.0	0.0	0,0,0
3553	0.02	0.04	0.03	111,111,117	0.0	0.0	0.0	0,0,0
3554	0.03	0.02	0.04	111,111,117	0.0	0.0	0.0	0,0,0
3555	0.05	0.25	0.06	112,99,117	0.0	0.0	0.0	0,0,0
3556	0.02	0.04	0.03	100,109,117	0.0	0.0	0.0	0,0,0
3557	0.03	0.02	0.04	100,111,117	0.0	0.0	0.0	0,0,0
3558	0.04	0.31	0.05	111,100,117	0.0	0.0	0.0	0,0,0
3559	0.02	0.06	0.03	100,111,117	0.0	0.0	0.0	0,0,0
3560	0.03	0.02	0.04	100,100,117	0.0	0.0	0.0	0,0,0
3561	0.05	0.33	0.06	112,109,117	0.0	0.0	0.0	0,0,0
3562	0.03	0.06	0.03	111,111,117	0.0	0.0	0.0	0,0,0
3563	0.03	0.03	0.04	99,111,117	0.0	0.0	0.0	0,0,0
3564	0.04	0.33	0.05	111,100,117	0.0	0.0	0.0	0,0,0
3565	0.03	0.08	0.04	111,111,117	0.0	0.0	0.0	0,0,0
3566	0.03	0.04	0.04	99,100,117	0.0	0.0	0.0	0,0,0
3567	0.05	0.32	0.06	111,99,117	0.0	0.0	0.0	0,0,0
3568	0.04	0.09	0.04	100,111,117	0.0	0.0	0.0	0,0,0
3569	0.03	0.04	0.03	110,100,117	0.0	0.0	0.0	0,0,0
3570	0.06	0.39	0.07	111,99,117	0.0	0.0	0.0	0,0,0
3571	0.03	0.12	0.04	100,99,117	0.0	0.0	0.0	0,0,0
3572	0.03	0.05	0.03	110,99,117	0.0	0.0	0.0	0,0,0
3573	0.06	0.46	0.07	111,99,117	0.0	0.0	0.0	0,0,0
3574	0.05	0.13	0.06	100,99,117	0.0	0.0	0.0	0,0,0
3575	0.05	0.09	0.06	112,100,117	0.0	0.0	0.0	0,0,0
3576	0.07	0.46	0.09	100,99,117	0.0	0.0	0.0	0,0,0
3577	0.06	0.13	0.07	100,100,117	0.0	0.0	0.0	0,0,0
3578	0.06	0.10	0.07	111,111,117	0.0	0.0	0.0	0,0,0
3579	0.05	0.08	0.06	99,99,117	0.0	0.0	0.0	0,0,0
3580	0.02	0.08	0.03	111,100,117	0.0	0.0	0.0	0,0,0
3581	0.02	0.09	0.03	111,111,117	0.0	0.0	0.0	0,0,0
3582	0.04	0.07	0.04	111,100,117	0.0	0.0	0.0	0,0,0
3583	0.01	0.06	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3584	3.23e-03	0.08	3.84e-03	111,111,117	0.0	0.0	0.0	0,0,0
3585	0.02	0.06	0.03	111,100,117	0.0	0.0	0.0	0,0,0
3586	0.01	0.06	0.02	111,100,117	0.0	0.0	0.0	0,0,0
3587	4.37e-03	0.08	5.43e-03	100,100,117	0.0	0.0	0.0	0,0,0
3588	0.02	0.07	0.02	111,111,117	0.0	0.0	0.0	0,0,0
3589	0.01	0.07	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3590	5.01e-03	0.08	6.17e-03	111,100,117	0.0	0.0	0.0	0,0,0
3591	0.01	0.05	0.02	111,100,117	0.0	0.0	0.0	0,0,0
3592	9.57e-03	0.07	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3593	4.64e-03	0.08	5.70e-03	111,100,117	0.0	0.0	0.0	0,0,0
3594	0.01	0.05	0.01	111,99,117	0.0	0.0	0.0	0,0,0
3595	7.34e-03	0.07	9.20e-03	111,100,117	0.0	0.0	0.0	0,0,0
3596	3.80e-03	0.08	4.68e-03	111,100,117	0.0	0.0	0.0	0,0,0
3597	8.87e-03	0.06	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3598	5.94e-03	0.07	7.64e-03	104,100,117	0.0	0.0	0.0	0,0,0
3599	2.89e-03	0.08	3.61e-03	111,100,117	0.0	0.0	0.0	0,0,0
3600	8.05e-03	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3601	5.11e-03	0.06	6.58e-03	112,100,117	0.0	0.0	0.0	0,0,0
3602	2.37e-03	0.08	2.99e-03	102,111,117	0.0	0.0	0.0	0,0,0

3603	7.76e-03	0.05	9.95e-03	108,100,117	0.0	0.0	0.0	0,0,0
3604	4.95e-03	0.07	6.26e-03	112,111,117	0.0	0.0	0.0	0,0,0
3605	2.26e-03	0.08	2.89e-03	102,111,117	0.0	0.0	0.0	0,0,0
3606	8.09e-03	0.06	0.01	112,109,117	0.0	0.0	0.0	0,0,0
3607	4.80e-03	0.07	6.29e-03	104,111,117	0.0	0.0	0.0	0,0,0
3608	2.11e-03	0.08	2.68e-03	102,111,117	0.0	0.0	0.0	0,0,0
3609	9.19e-03	0.09	9.70e-03	111,111,117	0.0	0.0	0.0	0,0,0
3610	4.49e-03	0.07	5.81e-03	112,111,117	0.0	0.0	0.0	0,0,0
3611	1.85e-03	0.08	2.26e-03	108,111,117	0.0	0.0	0.0	0,0,0
3612	0.01	0.13	0.01	109,111,117	0.0	0.0	0.0	0,0,0
3613	4.69e-03	0.07	5.95e-03	109,111,117	0.0	0.0	0.0	0,0,0
3614	1.65e-03	0.08	1.84e-03	108,111,117	0.0	0.0	0.0	0,0,0
3615	0.01	0.08	0.01	109,111,117	0.0	0.0	0.0	0,0,0
3616	5.59e-03	0.08	6.95e-03	111,111,117	0.0	0.0	0.0	0,0,0
3617	1.82e-03	0.08	2.27e-03	108,111,117	0.0	0.0	0.0	0,0,0
3618	0.01	0.08	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3619	5.68e-03	0.08	7.03e-03	109,111,117	0.0	0.0	0.0	0,0,0
3620	2.17e-03	0.08	2.76e-03	107,111,117	0.0	0.0	0.0	0,0,0
3621	9.35e-03	0.08	0.01	111,111,117	0.0	0.0	0.0	0,0,0
3622	5.65e-03	0.08	7.11e-03	109,111,117	0.0	0.0	0.0	0,0,0
3623	2.25e-03	0.08	2.87e-03	105,111,117	0.0	0.0	0.0	0,0,0
3624	9.16e-03	0.08	0.01	112,111,117	0.0	0.0	0.0	0,0,0
3625	5.30e-03	0.08	6.67e-03	111,111,117	0.0	0.0	0.0	0,0,0
3626	2.20e-03	0.08	2.82e-03	107,111,117	0.0	0.0	0.0	0,0,0
3627	7.87e-03	0.07	0.01	112,111,117	0.0	0.0	0.0	0,0,0
3628	5.03e-03	0.08	6.49e-03	104,111,117	0.0	0.0	0.0	0,0,0
3629	2.01e-03	0.08	2.61e-03	102,111,117	0.0	0.0	0.0	0,0,0
3630	8.97e-03	0.07	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3631	4.72e-03	0.08	6.13e-03	112,100,117	0.0	0.0	0.0	0,0,0
3632	1.87e-03	0.08	2.33e-03	108,111,117	0.0	0.0	0.0	0,0,0
3633	7.75e-03	0.08	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3634	4.77e-03	0.08	6.18e-03	112,100,117	0.0	0.0	0.0	0,0,0
3635	1.77e-03	0.09	2.14e-03	108,100,117	0.0	0.0	0.0	0,0,0
3636	8.72e-03	0.08	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3637	4.58e-03	0.08	5.93e-03	112,100,117	0.0	0.0	0.0	0,0,0
3638	1.67e-03	0.09	1.98e-03	108,100,117	0.0	0.0	0.0	0,0,0
3639	7.85e-03	0.08	0.01	107,100,117	0.0	0.0	0.0	0,0,0
3640	4.64e-03	0.08	6.02e-03	112,100,117	0.0	0.0	0.0	0,0,0
3641	1.57e-03	0.09	1.90e-03	108,100,117	0.0	0.0	0.0	0,0,0
3642	8.48e-03	0.08	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3643	4.46e-03	0.08	5.81e-03	112,100,117	0.0	0.0	0.0	0,0,0
3644	1.47e-03	0.09	1.88e-03	106,100,117	0.0	0.0	0.0	0,0,0
3645	8.07e-03	0.08	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3646	4.52e-03	0.08	5.90e-03	112,100,117	0.0	0.0	0.0	0,0,0
3647	1.44e-03	0.09	1.87e-03	112,100,117	0.0	0.0	0.0	0,0,0
3648	8.24e-03	0.08	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3649	4.41e-03	0.08	5.80e-03	111,100,117	0.0	0.0	0.0	0,0,0
3650	1.42e-03	0.09	1.86e-03	112,100,117	0.0	0.0	0.0	0,0,0
3651	8.27e-03	0.08	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3652	4.41e-03	0.08	5.80e-03	112,100,117	0.0	0.0	0.0	0,0,0
3653	1.42e-03	0.09	1.86e-03	111,100,117	0.0	0.0	0.0	0,0,0
3654	8.04e-03	0.08	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3655	4.52e-03	0.08	5.92e-03	111,100,117	0.0	0.0	0.0	0,0,0
3656	1.44e-03	0.09	1.88e-03	111,100,117	0.0	0.0	0.0	0,0,0
3657	8.49e-03	0.08	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3658	4.46e-03	0.08	5.82e-03	111,100,117	0.0	0.0	0.0	0,0,0
3659	1.50e-03	0.09	1.89e-03	105,100,117	0.0	0.0	0.0	0,0,0
3660	7.85e-03	0.08	0.01	108,100,117	0.0	0.0	0.0	0,0,0
3661	4.65e-03	0.08	6.05e-03	111,100,117	0.0	0.0	0.0	0,0,0
3662	1.60e-03	0.09	1.92e-03	107,100,117	0.0	0.0	0.0	0,0,0
3663	8.76e-03	0.08	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3664	4.59e-03	0.08	5.97e-03	111,100,117	0.0	0.0	0.0	0,0,0
3665	1.70e-03	0.09	2.05e-03	107,100,117	0.0	0.0	0.0	0,0,0
3666	7.77e-03	0.08	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3667	4.80e-03	0.08	6.24e-03	111,100,117	0.0	0.0	0.0	0,0,0
3668	1.82e-03	0.09	2.23e-03	107,100,117	0.0	0.0	0.0	0,0,0
3669	9.03e-03	0.07	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3670	4.77e-03	0.08	6.21e-03	111,100,117	0.0	0.0	0.0	0,0,0
3671	1.93e-03	0.08	2.44e-03	107,100,117	0.0	0.0	0.0	0,0,0
3672	7.96e-03	0.07	0.01	111,100,117	0.0	0.0	0.0	0,0,0
3673	5.12e-03	0.08	6.60e-03	104,112,117	0.0	0.0	0.0	0,0,0
3674	2.10e-03	0.08	2.72e-03	102,112,117	0.0	0.0	0.0	0,0,0
3675	9.26e-03	0.08	0.01	111,112,117	0.0	0.0	0.0	0,0,0
3676	5.38e-03	0.08	6.78e-03	112,112,117	0.0	0.0	0.0	0,0,0
3677	2.25e-03	0.08	2.91e-03	108,112,117	0.0	0.0	0.0	0,0,0
3678	9.43e-03	0.08	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3679	5.68e-03	0.08	7.20e-03	110,112,117	0.0	0.0	0.0	0,0,0

3680	2.27e-03	0.08	2.95e-03	106,112,117	0.0	0.0	0.0	0,0,0
3681	0.01	0.08	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3682	5.67e-03	0.08	7.10e-03	110,112,117	0.0	0.0	0.0	0,0,0
3683	2.14e-03	0.08	2.79e-03	108,112,117	0.0	0.0	0.0	0,0,0
3684	0.01	0.08	0.01	110,112,117	0.0	0.0	0.0	0,0,0
3685	5.48e-03	0.07	6.94e-03	112,112,117	0.0	0.0	0.0	0,0,0
3686	1.84e-03	0.08	2.16e-03	107,112,117	0.0	0.0	0.0	0,0,0
3687	0.01	0.14	0.02	110,112,117	0.0	0.0	0.0	0,0,0
3688	4.52e-03	0.07	5.87e-03	110,112,117	0.0	0.0	0.0	0,0,0
3689	1.61e-03	0.08	1.84e-03	107,112,117	0.0	0.0	0.0	0,0,0
3690	1.00e-02	0.09	0.01	112,112,117	0.0	0.0	0.0	0,0,0
3691	4.51e-03	0.07	5.83e-03	104,112,117	0.0	0.0	0.0	0,0,0
3692	1.95e-03	0.08	2.44e-03	102,112,117	0.0	0.0	0.0	0,0,0
3693	8.98e-03	0.08	0.01	110,110,117	0.0	0.0	0.0	0,0,0
3694	4.94e-03	0.07	6.41e-03	112,112,117	0.0	0.0	0.0	0,0,0
3695	2.34e-03	0.08	2.90e-03	112,112,117	0.0	0.0	0.0	0,0,0
3696	1.00e-02	0.07	0.01	110,110,117	0.0	0.0	0.0	0,0,0
3697	5.10e-03	0.07	6.46e-03	112,112,117	0.0	0.0	0.0	0,0,0
3698	2.36e-03	0.08	2.91e-03	112,112,117	0.0	0.0	0.0	0,0,0
3699	0.01	0.09	0.01	110,112,117	0.0	0.0	0.0	0,0,0
3700	5.38e-03	0.06	6.78e-03	112,100,117	0.0	0.0	0.0	0,0,0
3701	2.44e-03	0.07	3.09e-03	102,112,117	0.0	0.0	0.0	0,0,0
3702	8.95e-03	0.07	0.01	100,112,117	0.0	0.0	0.0	0,0,0
3703	6.52e-03	0.06	8.28e-03	112,100,117	0.0	0.0	0.0	0,0,0
3704	3.24e-03	0.08	4.06e-03	112,100,117	0.0	0.0	0.0	0,0,0
3705	0.01	0.05	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3706	7.90e-03	0.07	9.89e-03	112,100,117	0.0	0.0	0.0	0,0,0
3707	4.21e-03	0.08	5.20e-03	112,100,117	0.0	0.0	0.0	0,0,0
3708	0.01	0.05	0.02	112,100,117	0.0	0.0	0.0	0,0,0
3709	0.01	0.07	0.01	112,100,117	0.0	0.0	0.0	0,0,0
3710	5.43e-03	0.08	6.74e-03	112,100,117	0.0	0.0	0.0	0,0,0
3711	0.02	0.05	0.02	112,100,117	0.0	0.0	0.0	0,0,0
3712	0.01	0.07	0.02	112,100,117	0.0	0.0	0.0	0,0,0
3713	6.56e-03	0.09	8.19e-03	100,100,117	0.0	0.0	0.0	0,0,0
3714	0.03	0.05	0.03	100,100,117	0.0	0.0	0.0	0,0,0
3715	0.02	0.07	0.02	100,100,117	0.0	0.0	0.0	0,0,0
3716	7.66e-03	0.09	9.53e-03	100,100,117	0.0	0.0	0.0	0,0,0
3717	0.04	0.07	0.05	100,100,117	0.0	0.0	0.0	0,0,0
3718	0.02	0.06	0.02	100,100,117	0.0	0.0	0.0	0,0,0
3719	6.31e-03	0.09	7.70e-03	100,112,117	0.0	0.0	0.0	0,0,0
3720	0.06	0.08	0.08	99,99,117	0.0	0.0	0.0	0,0,0
3721	0.02	0.07	0.02	112,100,117	0.0	0.0	0.0	0,0,0
3722	0.02	0.10	0.02	112,112,117	0.0	0.0	0.0	0,0,0
3723	0.07	0.47	0.09	99,99,117	0.0	0.0	0.0	0,0,0
3724	0.05	0.12	0.06	112,100,117	0.0	0.0	0.0	0,0,0
3725	0.06	0.12	0.07	112,112,117	0.0	0.0	0.0	0,0,0
3726	0.05	0.43	0.06	100,99,117	0.0	0.0	0.0	0,0,0
3727	0.02	0.09	0.03	99,111,117	0.0	0.0	0.0	0,0,0
3728	0.03	0.09	0.04	109,111,117	0.0	0.0	0.0	0,0,0
3729	0.01	0.08	0.01	104,109,117	0.0	0.0	0.0	0,0,0
3730	0.01	0.09	0.01	102,111,117	0.0	0.0	0.0	0,0,0
3731	0.01	0.09	0.01	102,111,117	0.0	0.0	0.0	0,0,0
3732	0.01	0.08	0.01	104,109,117	0.0	0.0	0.0	0,0,0
3733	0.01	0.07	0.01	102,111,117	0.0	0.0	0.0	0,0,0
3734	0.01	0.09	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3735	0.02	0.06	0.02	104,109,117	0.0	0.0	0.0	0,0,0
3736	0.01	0.07	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3737	0.01	0.09	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3738	0.02	0.05	0.02	104,111,117	0.0	0.0	0.0	0,0,0
3739	0.01	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3740	0.01	0.09	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3741	0.01	0.06	0.02	104,109,117	0.0	0.0	0.0	0,0,0
3742	0.01	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3743	0.01	0.08	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3744	0.01	0.05	0.02	104,111,117	0.0	0.0	0.0	0,0,0
3745	0.01	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3746	0.01	0.08	9.59e-03	102,109,117	0.0	0.0	0.0	0,0,0
3747	0.01	0.06	0.02	104,109,117	0.0	0.0	0.0	0,0,0
3748	0.01	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3749	0.01	0.08	8.74e-03	102,109,117	0.0	0.0	0.0	0,0,0
3750	0.01	0.06	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3751	0.01	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3752	9.92e-03	0.08	8.62e-03	102,109,117	0.0	0.0	0.0	0,0,0
3753	0.01	0.06	0.01	101,109,117	0.0	0.0	0.0	0,0,0
3754	0.01	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3755	9.24e-03	0.08	8.57e-03	102,109,117	0.0	0.0	0.0	0,0,0
3756	0.01	0.07	0.02	107,109,117	0.0	0.0	0.0	0,0,0

3757	9.57e-03	0.07	0.01	102,109,117	0.0	0.0	0.0	0,0,0
3758	8.39e-03	0.08	7.71e-03	102,109,117	0.0	0.0	0.0	0,0,0
3759	0.03	0.09	0.02	109,111,117	0.0	0.0	0.0	0,0,0
3760	8.76e-03	0.07	9.75e-03	102,109,117	0.0	0.0	0.0	0,0,0
3761	7.15e-03	0.08	6.38e-03	102,109,117	0.0	0.0	0.0	0,0,0
3762	0.02	0.13	0.01	107,111,117	0.0	0.0	0.0	0,0,0
3763	7.76e-03	0.07	8.60e-03	102,109,117	0.0	0.0	0.0	0,0,0
3764	6.16e-03	0.08	5.08e-03	102,109,117	0.0	0.0	0.0	0,0,0
3765	0.01	0.07	0.01	101,109,117	0.0	0.0	0.0	0,0,0
3766	7.32e-03	0.07	7.85e-03	102,109,117	0.0	0.0	0.0	0,0,0
3767	5.33e-03	0.08	4.57e-03	102,109,117	0.0	0.0	0.0	0,0,0
3768	0.01	0.07	0.01	101,109,117	0.0	0.0	0.0	0,0,0
3769	6.98e-03	0.07	7.90e-03	102,109,117	0.0	0.0	0.0	0,0,0
3770	4.35e-03	0.08	4.02e-03	102,109,117	0.0	0.0	0.0	0,0,0
3771	0.01	0.06	9.76e-03	101,109,117	0.0	0.0	0.0	0,0,0
3772	5.71e-03	0.07	6.22e-03	101,109,117	0.0	0.0	0.0	0,0,0
3773	2.55e-03	0.09	3.21e-03	106,109,117	0.0	0.0	0.0	0,0,0
3774	0.01	0.06	8.69e-03	101,99,117	0.0	0.0	0.0	0,0,0
3775	5.33e-03	0.07	6.12e-03	103,109,117	0.0	0.0	0.0	0,0,0
3776	2.27e-03	0.09	2.81e-03	102,109,117	0.0	0.0	0.0	0,0,0
3777	0.01	0.06	8.47e-03	101,99,117	0.0	0.0	0.0	0,0,0
3778	5.31e-03	0.07	5.89e-03	103,99,117	0.0	0.0	0.0	0,0,0
3779	2.17e-03	0.09	2.71e-03	108,99,117	0.0	0.0	0.0	0,0,0
3780	0.01	0.06	7.81e-03	101,99,117	0.0	0.0	0.0	0,0,0
3781	5.01e-03	0.07	5.51e-03	103,99,117	0.0	0.0	0.0	0,0,0
3782	2.06e-03	0.09	2.61e-03	108,99,117	0.0	0.0	0.0	0,0,0
3783	0.01	0.06	7.35e-03	101,99,117	0.0	0.0	0.0	0,0,0
3784	4.93e-03	0.07	5.19e-03	101,99,117	0.0	0.0	0.0	0,0,0
3785	2.07e-03	0.09	2.66e-03	108,99,117	0.0	0.0	0.0	0,0,0
3786	0.01	0.06	8.54e-03	101,99,117	0.0	0.0	0.0	0,0,0
3787	5.26e-03	0.07	6.17e-03	101,99,117	0.0	0.0	0.0	0,0,0
3788	2.43e-03	0.08	3.02e-03	102,99,117	0.0	0.0	0.0	0,0,0
3789	9.44e-03	0.06	8.88e-03	101,99,117	0.0	0.0	0.0	0,0,0
3790	5.44e-03	0.07	6.34e-03	101,99,117	0.0	0.0	0.0	0,0,0
3791	2.45e-03	0.08	3.00e-03	102,99,117	0.0	0.0	0.0	0,0,0
3792	0.01	0.06	9.27e-03	101,99,117	0.0	0.0	0.0	0,0,0
3793	5.62e-03	0.07	6.66e-03	103,99,117	0.0	0.0	0.0	0,0,0
3794	2.60e-03	0.08	3.27e-03	102,99,117	0.0	0.0	0.0	0,0,0
3795	9.41e-03	0.06	9.78e-03	101,110,117	0.0	0.0	0.0	0,0,0
3796	5.82e-03	0.06	7.03e-03	102,99,117	0.0	0.0	0.0	0,0,0
3797	3.33e-03	0.07	3.62e-03	102,99,117	0.0	0.0	0.0	0,0,0
3798	0.01	0.06	0.01	101,110,117	0.0	0.0	0.0	0,0,0
3799	6.60e-03	0.06	7.47e-03	102,99,117	0.0	0.0	0.0	0,0,0
3800	4.16e-03	0.07	3.76e-03	102,99,117	0.0	0.0	0.0	0,0,0
3801	0.01	0.06	0.01	108,110,117	0.0	0.0	0.0	0,0,0
3802	8.62e-03	0.06	0.01	108,99,117	0.0	0.0	0.0	0,0,0
3803	7.26e-03	0.06	6.83e-03	102,99,117	0.0	0.0	0.0	0,0,0
3804	0.01	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3805	9.45e-03	0.05	0.01	102,99,117	0.0	0.0	0.0	0,0,0
3806	8.07e-03	0.06	7.34e-03	102,99,117	0.0	0.0	0.0	0,0,0

Setto	rRfck	rRfyk	rPfck	wR	wF	wP
	0.20	0.74	0.25	0.0	0.0	0.0

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb
3807	0.14	0.68	0.18	111,100,117	0.0	0.0	0.0	0,0,0
3808	0.10	0.44	0.12	110,99,117	0.0	0.0	0.0	0,0,0
3809	0.05	0.23	0.06	100,112,117	0.0	0.0	0.0	0,0,0
3810	0.17	0.68	0.21	110,111,117	0.0	0.0	0.0	0,0,0
3811	0.08	0.36	0.10	100,104,117	0.0	0.0	0.0	0,0,0
3812	0.15	0.56	0.16	112,112,117	0.0	0.0	0.0	0,0,0
3813	0.11	0.56	0.15	112,112,117	0.0	0.0	0.0	0,0,0
3814	0.05	0.28	0.07	99,107,117	0.0	0.0	0.0	0,0,0
3815	0.06	0.42	0.08	100,109,117	0.0	0.0	0.0	0,0,0
3816	0.07	0.36	0.09	112,111,117	0.0	0.0	0.0	0,0,0
3817	0.12	0.56	0.15	99,110,117	0.0	0.0	0.0	0,0,0
3818	0.08	0.38	0.08	109,111,117	0.0	0.0	0.0	0,0,0
3819	0.15	0.62	0.18	111,111,117	0.0	0.0	0.0	0,0,0
3820	0.11	0.53	0.13	110,110,117	0.0	0.0	0.0	0,0,0
3821	0.18	0.77	0.22	110,110,117	0.0	0.0	0.0	0,0,0
3822	0.07	0.37	0.10	112,112,117	0.0	0.0	0.0	0,0,0
3823	0.16	0.65	0.19	111,111,117	0.0	0.0	0.0	0,0,0
3824	0.05	0.27	0.06	111,109,117	0.0	0.0	0.0	0,0,0
3825	0.25	0.60	0.28	111,111,117	0.0	0.0	0.0	0,0,0

3826	0.17	0.70	0.22	109,109,117	0.0	0.0	0.0	0,0,0
3827	0.06	0.28	0.08	100,111,117	0.0	0.0	0.0	0,0,0
3828	0.15	0.77	0.19	109,111,117	0.0	0.0	0.0	0,0,0
3829	0.24	0.81	0.27	112,112,117	0.0	0.0	0.0	0,0,0
3830	0.13	0.61	0.16	111,111,117	0.0	0.0	0.0	0,0,0
3831	0.12	0.59	0.15	109,99,117	0.0	0.0	0.0	0,0,0
3832	0.15	0.74	0.20	111,100,117	0.0	0.0	0.0	0,0,0
3833	0.08	0.40	0.10	109,111,117	0.0	0.0	0.0	0,0,0
3834	0.06	0.35	0.06	105,107,117	0.0	0.0	0.0	0,0,0
3835	0.19	0.83	0.24	110,99,117	0.0	0.0	0.0	0,0,0
3836	0.09	0.42	0.12	99,99,117	0.0	0.0	0.0	0,0,0
3837	0.14	0.60	0.18	100,100,117	0.0	0.0	0.0	0,0,0
3838	0.05	0.21	0.06	100,111,117	0.0	0.0	0.0	0,0,0
3839	0.15	0.72	0.17	110,110,117	0.0	0.0	0.0	0,0,0
3840	0.04	0.20	0.05	99,112,117	0.0	0.0	0.0	0,0,0
3841	0.15	0.60	0.17	111,111,117	0.0	0.0	0.0	0,0,0
3842	0.17	0.74	0.21	112,112,117	0.0	0.0	0.0	0,0,0
3843	0.15	0.64	0.18	112,112,117	0.0	0.0	0.0	0,0,0
3844	0.10	0.48	0.13	110,99,117	0.0	0.0	0.0	0,0,0
3845	0.05	0.23	0.06	104,111,117	0.0	0.0	0.0	0,0,0
3846	0.13	0.59	0.17	109,110,117	0.0	0.0	0.0	0,0,0
3847	0.14	0.57	0.17	111,112,117	0.0	0.0	0.0	0,0,0
3848	0.10	0.57	0.13	111,111,117	0.0	0.0	0.0	0,0,0
3849	0.13	0.66	0.16	109,109,117	0.0	0.0	0.0	0,0,0
3850	0.04	0.22	0.05	106,101,117	0.0	0.0	0.0	0,0,0
3851	0.08	0.38	0.10	111,111,117	0.0	0.0	0.0	0,0,0
3852	0.12	0.52	0.14	110,110,117	0.0	0.0	0.0	0,0,0
3853	0.11	0.54	0.15	110,111,117	0.0	0.0	0.0	0,0,0
3854	0.14	0.74	0.18	100,112,117	0.0	0.0	0.0	0,0,0
3855	0.14	0.75	0.18	112,110,117	0.0	0.0	0.0	0,0,0
3856	0.19	0.83	0.24	109,99,117	0.0	0.0	0.0	0,0,0
3857	0.11	0.53	0.14	111,100,117	0.0	0.0	0.0	0,0,0
3858	0.09	0.42	0.11	109,111,117	0.0	0.0	0.0	0,0,0
3859	0.18	0.68	0.21	109,109,117	0.0	0.0	0.0	0,0,0
3860	0.10	0.52	0.12	110,110,117	0.0	0.0	0.0	0,0,0
3861	0.06	0.30	0.08	111,111,117	0.0	0.0	0.0	0,0,0
3862	0.06	0.30	0.08	99,99,117	0.0	0.0	0.0	0,0,0
3863	0.06	0.41	0.08	110,104,117	0.0	0.0	0.0	0,0,0
3864	0.10	0.58	0.13	111,111,117	0.0	0.0	0.0	0,0,0
3865	0.12	0.62	0.15	111,112,117	0.0	0.0	0.0	0,0,0
3866	0.12	0.61	0.15	100,100,117	0.0	0.0	0.0	0,0,0
3867	0.09	0.45	0.12	100,100,117	0.0	0.0	0.0	0,0,0
3868	0.12	0.68	0.16	110,100,117	0.0	0.0	0.0	0,0,0
3869	0.08	0.29	0.09	109,110,117	0.0	0.0	0.0	0,0,0
3870	0.12	0.69	0.15	110,110,117	0.0	0.0	0.0	0,0,0
3871	0.15	0.63	0.16	110,110,117	0.0	0.0	0.0	0,0,0
3872	0.04	0.18	0.06	100,108,117	0.0	0.0	0.0	0,0,0
3873	0.09	0.45	0.12	110,110,117	0.0	0.0	0.0	0,0,0
3874	0.16	0.78	0.21	109,100,117	0.0	0.0	0.0	0,0,0
3875	0.10	0.50	0.12	111,112,117	0.0	0.0	0.0	0,0,0
3876	0.24	0.73	0.28	112,110,117	0.0	0.0	0.0	0,0,0
3877	0.05	0.33	0.06	111,100,117	0.0	0.0	0.0	0,0,0
3878	0.04	0.18	0.05	103,110,117	0.0	0.0	0.0	0,0,0
3879	0.07	0.33	0.07	110,111,117	0.0	0.0	0.0	0,0,0
3880	0.08	0.41	0.10	112,112,117	0.0	0.0	0.0	0,0,0
3881	0.16	0.70	0.20	109,109,117	0.0	0.0	0.0	0,0,0
3882	0.24	0.80	0.26	109,111,117	0.0	0.0	0.0	0,0,0
3883	0.08	0.35	0.11	100,112,117	0.0	0.0	0.0	0,0,0
3884	0.04	0.14	0.05	109,105,117	0.0	0.0	0.0	0,0,0
3885	0.08	0.36	0.10	111,111,117	0.0	0.0	0.0	0,0,0
3886	0.05	0.24	0.06	111,109,117	0.0	0.0	0.0	0,0,0
3887	0.17	0.64	0.20	112,111,117	0.0	0.0	0.0	0,0,0
3888	0.06	0.37	0.07	111,106,117	0.0	0.0	0.0	0,0,0
3889	0.04	0.16	0.05	106,105,117	0.0	0.0	0.0	0,0,0
3890	0.14	0.62	0.16	110,110,117	0.0	0.0	0.0	0,0,0
3891	0.11	0.54	0.14	99,99,117	0.0	0.0	0.0	0,0,0
3892	0.18	0.84	0.23	112,110,117	0.0	0.0	0.0	0,0,0
3893	0.05	0.25	0.06	103,103,117	0.0	0.0	0.0	0,0,0
3894	0.15	0.63	0.16	109,109,117	0.0	0.0	0.0	0,0,0
3895	0.04	0.16	0.06	111,107,117	0.0	0.0	0.0	0,0,0
3896	0.05	0.25	0.06	109,108,117	0.0	0.0	0.0	0,0,0
3897	0.15	0.71	0.20	109,111,117	0.0	0.0	0.0	0,0,0
3898	0.06	0.28	0.08	99,99,117	0.0	0.0	0.0	0,0,0
3899	0.09	0.45	0.12	99,109,117	0.0	0.0	0.0	0,0,0
3900	0.13	0.56	0.16	112,111,117	0.0	0.0	0.0	0,0,0
3901	0.03	0.15	0.05	112,107,117	0.0	0.0	0.0	0,0,0
3902	0.12	0.61	0.13	111,109,117	0.0	0.0	0.0	0,0,0

3903	0.07	0.32	0.09	100,112,117	0.0	0.0	0.0	0,0,0
3904	0.05	0.18	0.06	109,105,117	0.0	0.0	0.0	0,0,0
3905	0.12	0.56	0.16	100,100,117	0.0	0.0	0.0	0,0,0
3906	0.06	0.39	0.08	112,106,117	0.0	0.0	0.0	0,0,0
3907	0.14	0.61	0.19	100,100,117	0.0	0.0	0.0	0,0,0
3908	0.16	0.73	0.21	100,112,117	0.0	0.0	0.0	0,0,0
3909	0.08	0.41	0.10	100,104,117	0.0	0.0	0.0	0,0,0
3910	0.08	0.44	0.08	110,109,117	0.0	0.0	0.0	0,0,0
3911	0.06	0.29	0.08	112,112,117	0.0	0.0	0.0	0,0,0
3912	0.11	0.53	0.14	110,110,117	0.0	0.0	0.0	0,0,0
3913	0.05	0.22	0.06	100,112,117	0.0	0.0	0.0	0,0,0
3914	0.14	0.71	0.19	99,99,117	0.0	0.0	0.0	0,0,0
3915	0.16	0.77	0.21	109,111,117	0.0	0.0	0.0	0,0,0
3916	0.10	0.48	0.09	109,109,117	0.0	0.0	0.0	0,0,0
3917	0.10	0.50	0.11	112,111,117	0.0	0.0	0.0	0,0,0
3918	0.15	0.68	0.19	99,99,117	0.0	0.0	0.0	0,0,0
3919	0.08	0.38	0.09	109,109,117	0.0	0.0	0.0	0,0,0
3920	0.06	0.30	0.07	110,109,117	0.0	0.0	0.0	0,0,0
3921	0.07	0.32	0.09	100,111,117	0.0	0.0	0.0	0,0,0
3922	0.13	0.63	0.17	100,100,117	0.0	0.0	0.0	0,0,0
3923	0.07	0.43	0.09	111,104,117	0.0	0.0	0.0	0,0,0
3924	0.05	0.26	0.06	104,111,117	0.0	0.0	0.0	0,0,0
3925	0.16	0.64	0.19	112,112,117	0.0	0.0	0.0	0,0,0
3926	0.06	0.28	0.07	103,103,117	0.0	0.0	0.0	0,0,0
3927	0.06	0.31	0.08	99,99,117	0.0	0.0	0.0	0,0,0
3928	0.05	0.23	0.07	112,106,117	0.0	0.0	0.0	0,0,0
3929	0.18	0.82	0.22	110,100,117	0.0	0.0	0.0	0,0,0
3930	0.05	0.29	0.07	99,107,117	0.0	0.0	0.0	0,0,0
3931	0.05	0.24	0.07	111,105,117	0.0	0.0	0.0	0,0,0
3932	0.17	0.82	0.22	99,100,117	0.0	0.0	0.0	0,0,0
3933	0.09	0.44	0.12	110,110,117	0.0	0.0	0.0	0,0,0
3934	0.05	0.31	0.06	112,100,117	0.0	0.0	0.0	0,0,0
3935	0.05	0.30	0.06	111,111,117	0.0	0.0	0.0	0,0,0
3936	0.15	0.63	0.17	112,110,117	0.0	0.0	0.0	0,0,0
3937	0.17	0.67	0.21	112,112,117	0.0	0.0	0.0	0,0,0
3938	0.15	0.71	0.20	112,100,117	0.0	0.0	0.0	0,0,0
3939	0.16	0.68	0.21	110,110,117	0.0	0.0	0.0	0,0,0
3940	0.08	0.38	0.10	100,112,117	0.0	0.0	0.0	0,0,0
3941	0.08	0.46	0.10	103,109,117	0.0	0.0	0.0	0,0,0
3942	0.13	0.65	0.17	99,99,117	0.0	0.0	0.0	0,0,0
3943	0.05	0.29	0.06	111,99,117	0.0	0.0	0.0	0,0,0
3944	0.05	0.35	0.07	112,111,117	0.0	0.0	0.0	0,0,0
3945	0.05	0.22	0.06	100,111,117	0.0	0.0	0.0	0,0,0
3946	0.06	0.34	0.07	109,112,117	0.0	0.0	0.0	0,0,0
3947	0.05	0.35	0.07	110,100,117	0.0	0.0	0.0	0,0,0
3948	0.14	0.61	0.18	100,112,117	0.0	0.0	0.0	0,0,0
3949	0.13	0.74	0.17	109,109,117	0.0	0.0	0.0	0,0,0
3950	0.09	0.44	0.11	109,109,117	0.0	0.0	0.0	0,0,0
3951	0.12	0.54	0.15	109,112,117	0.0	0.0	0.0	0,0,0
3952	0.11	0.56	0.15	100,99,117	0.0	0.0	0.0	0,0,0
3953	0.12	0.58	0.16	99,99,117	0.0	0.0	0.0	0,0,0
3954	0.16	0.64	0.19	111,111,117	0.0	0.0	0.0	0,0,0
3955	0.05	0.20	0.06	111,109,117	0.0	0.0	0.0	0,0,0
3956	0.04	0.21	0.05	103,103,117	0.0	0.0	0.0	0,0,0
3957	0.14	0.67	0.18	111,111,117	0.0	0.0	0.0	0,0,0
3958	0.06	0.32	0.07	109,112,117	0.0	0.0	0.0	0,0,0
3959	0.24	0.77	0.27	109,109,117	0.0	0.0	0.0	0,0,0
3960	0.10	0.47	0.13	99,100,117	0.0	0.0	0.0	0,0,0
3961	0.04	0.20	0.05	99,111,117	0.0	0.0	0.0	0,0,0
3962	0.27	0.78	0.30	110,110,117	0.18	0.0	0.0	110,0,0
3963	0.07	0.36	0.07	110,112,117	0.0	0.0	0.0	0,0,0
3964	0.14	0.66	0.18	111,111,117	0.0	0.0	0.0	0,0,0
3965	0.06	0.34	0.08	104,104,117	0.0	0.0	0.0	0,0,0
3966	0.08	0.30	0.08	110,111,117	0.0	0.0	0.0	0,0,0
3967	0.31	0.74	0.22	110,110,117	0.19	0.0	0.0	110,0,0
3968	0.14	0.74	0.18	111,111,117	0.0	0.0	0.0	0,0,0
3969	0.06	0.26	0.07	109,109,117	0.0	0.0	0.0	0,0,0
3970	0.14	0.66	0.18	110,112,117	0.0	0.0	0.0	0,0,0
3971	0.17	0.67	0.21	109,100,117	0.0	0.0	0.0	0,0,0
3972	0.09	0.40	0.11	99,109,117	0.0	0.0	0.0	0,0,0
3973	0.17	0.63	0.19	111,109,117	0.0	0.0	0.0	0,0,0
3974	0.07	0.39	0.09	110,100,117	0.0	0.0	0.0	0,0,0
3975	0.08	0.38	0.10	112,112,117	0.0	0.0	0.0	0,0,0
3976	0.14	0.72	0.18	111,109,117	0.0	0.0	0.0	0,0,0
3977	0.32	0.80	0.23	112,112,117	0.20	0.0	0.0	109,0,0
3978	0.05	0.25	0.06	111,111,117	0.0	0.0	0.0	0,0,0
3979	0.14	0.56	0.18	109,111,117	0.0	0.0	0.0	0,0,0

3980	0.14	0.67	0.18	110,112,117	0.0	0.0	0.0	0,0,0
3981	0.15	0.74	0.20	111,112,117	0.0	0.0	0.0	0,0,0
3982	0.12	0.61	0.13	112,110,117	0.0	0.0	0.0	0,0,0
3983	0.16	0.70	0.21	109,112,117	0.0	0.0	0.0	0,0,0
3984	0.10	0.43	0.12	104,112,117	0.0	0.0	0.0	0,0,0
3985	0.07	0.36	0.07	110,105,117	0.0	0.0	0.0	0,0,0
3986	0.07	0.38	0.10	112,110,117	0.0	0.0	0.0	0,0,0
3987	0.04	0.21	0.05	103,109,117	0.0	0.0	0.0	0,0,0
3988	0.34	0.58	0.18	110,110,117	0.12	0.0	0.0	110,0,0
3989	0.17	0.83	0.22	99,99,117	0.0	0.0	0.0	0,0,0
3990	0.07	0.36	0.06	110,108,117	0.0	0.0	0.0	0,0,0
3991	0.08	0.47	0.11	112,111,117	0.0	0.0	0.0	0,0,0
3992	0.13	0.62	0.17	112,112,117	0.0	0.0	0.0	0,0,0
3993	0.16	0.68	0.19	112,112,117	0.0	0.0	0.0	0,0,0
3994	0.11	0.44	0.11	111,110,117	0.0	0.0	0.0	0,0,0
3995	0.12	0.64	0.15	104,112,117	0.0	0.0	0.0	0,0,0
3996	0.07	0.47	0.09	100,112,117	0.0	0.0	0.0	0,0,0
3997	0.14	0.68	0.18	100,100,117	0.0	0.0	0.0	0,0,0
3998	0.23	0.78	0.17	109,109,117	0.0	0.0	0.0	0,0,0
3999	0.16	0.70	0.21	100,111,117	0.0	0.0	0.0	0,0,0
4000	0.15	0.77	0.20	111,100,117	0.0	0.0	0.0	0,0,0
4001	0.11	0.67	0.15	112,110,117	0.0	0.0	0.0	0,0,0
4002	0.07	0.41	0.09	112,100,117	0.0	0.0	0.0	0,0,0
4003	0.19	0.62	0.24	112,110,117	0.0	0.0	0.0	0,0,0
4004	0.06	0.38	0.07	111,105,117	0.0	0.0	0.0	0,0,0
4005	0.11	0.55	0.14	112,111,117	0.0	0.0	0.0	0,0,0
4006	0.06	0.32	0.08	112,109,117	0.0	0.0	0.0	0,0,0
4007	0.04	0.18	0.06	100,107,117	0.0	0.0	0.0	0,0,0
4008	0.05	0.23	0.06	110,100,117	0.0	0.0	0.0	0,0,0
4009	0.13	0.73	0.16	104,100,117	0.0	0.0	0.0	0,0,0
4010	0.15	0.68	0.19	112,112,117	0.0	0.0	0.0	0,0,0
4011	0.36	0.77	0.26	112,110,117	0.12	0.0	0.0	112,0,0
4012	0.17	0.71	0.23	99,99,117	0.0	0.0	0.0	0,0,0
4013	0.13	0.60	0.15	112,111,117	0.0	0.0	0.0	0,0,0
4014	0.08	0.39	0.11	100,100,117	0.0	0.0	0.0	0,0,0
4015	0.16	0.73	0.21	100,111,117	0.0	0.0	0.0	0,0,0
4016	0.06	0.29	0.07	111,111,117	0.0	0.0	0.0	0,0,0
4017	0.04	0.17	0.05	101,105,117	0.0	0.0	0.0	0,0,0
4018	0.16	0.76	0.21	100,100,117	0.0	0.0	0.0	0,0,0
4019	0.12	0.57	0.14	110,99,117	0.0	0.0	0.0	0,0,0
4020	0.12	0.61	0.16	100,100,117	0.0	0.0	0.0	0,0,0
4021	0.05	0.19	0.06	100,107,117	0.0	0.0	0.0	0,0,0
4022	0.19	0.76	0.23	109,109,117	0.0	0.0	0.0	0,0,0
4023	0.15	0.58	0.20	104,111,117	0.0	0.0	0.0	0,0,0
4024	0.12	0.68	0.15	111,109,117	0.0	0.0	0.0	0,0,0
4025	0.09	0.41	0.11	111,111,117	0.0	0.0	0.0	0,0,0
4026	0.09	0.47	0.11	111,111,117	0.0	0.0	0.0	0,0,0
4027	0.12	0.54	0.14	112,111,117	0.0	0.0	0.0	0,0,0
4028	0.13	0.73	0.15	109,109,117	0.0	0.0	0.0	0,0,0
4029	0.04	0.20	0.05	104,108,117	0.0	0.0	0.0	0,0,0
4030	0.06	0.29	0.08	103,103,117	0.0	0.0	0.0	0,0,0
4031	0.07	0.37	0.09	103,109,117	0.0	0.0	0.0	0,0,0
4032	0.16	0.69	0.21	109,109,117	0.0	0.0	0.0	0,0,0
4033	0.22	0.82	0.25	109,111,117	0.0	0.0	0.0	0,0,0
4034	0.13	0.57	0.17	110,112,117	0.0	0.0	0.0	0,0,0
4035	0.11	0.55	0.13	109,109,117	0.0	0.0	0.0	0,0,0
4036	0.05	0.26	0.06	109,107,117	0.0	0.0	0.0	0,0,0
4037	0.04	0.17	0.05	106,105,117	0.0	0.0	0.0	0,0,0
4038	0.15	0.67	0.19	109,111,117	0.0	0.0	0.0	0,0,0
4039	0.05	0.29	0.07	99,108,117	0.0	0.0	0.0	0,0,0
4040	0.11	0.57	0.13	111,112,117	0.0	0.0	0.0	0,0,0
4041	0.07	0.49	0.09	100,100,117	0.0	0.0	0.0	0,0,0
4042	0.13	0.55	0.16	110,110,117	0.0	0.0	0.0	0,0,0
4043	0.15	0.66	0.19	110,110,117	0.0	0.0	0.0	0,0,0
4044	0.07	0.41	0.09	111,109,117	0.0	0.0	0.0	0,0,0
4045	0.04	0.19	0.04	102,108,117	0.0	0.0	0.0	0,0,0
4046	0.06	0.28	0.07	103,103,117	0.0	0.0	0.0	0,0,0
4047	0.12	0.58	0.15	112,99,117	0.0	0.0	0.0	0,0,0
4048	0.05	0.21	0.06	100,112,117	0.0	0.0	0.0	0,0,0
4049	0.09	0.48	0.12	111,109,117	0.0	0.0	0.0	0,0,0
4050	0.05	0.27	0.06	110,109,117	0.0	0.0	0.0	0,0,0
4051	0.19	0.83	0.25	111,111,117	0.0	0.0	0.0	0,0,0
4052	0.06	0.48	0.08	109,100,117	0.0	0.0	0.0	0,0,0
4053	0.15	0.81	0.20	110,112,117	0.0	0.0	0.0	0,0,0
4054	0.13	0.57	0.17	109,111,117	0.0	0.0	0.0	0,0,0
4055	0.23	0.82	0.25	109,111,117	0.0	0.0	0.0	0,0,0
4056	0.03	0.14	0.04	111,108,117	0.0	0.0	0.0	0,0,0

4057	0.17	0.83	0.22	99,111,117	0.0	0.0	0.0	0,0,0
4058	0.05	0.20	0.07	109,105,117	0.0	0.0	0.0	0,0,0
4059	0.07	0.40	0.10	100,111,117	0.0	0.0	0.0	0,0,0
4060	0.18	0.78	0.20	112,111,117	0.0	0.0	0.0	0,0,0
4061	0.06	0.41	0.07	110,99,117	0.0	0.0	0.0	0,0,0
4062	0.16	0.67	0.18	111,109,117	0.0	0.0	0.0	0,0,0
4063	0.17	0.77	0.22	99,110,117	0.0	0.0	0.0	0,0,0
4064	0.20	0.78	0.18	111,111,117	0.0	0.0	0.0	0,0,0
4065	0.11	0.72	0.14	100,112,117	0.0	0.0	0.0	0,0,0
4066	0.08	0.38	0.10	110,110,117	0.0	0.0	0.0	0,0,0
4067	0.12	0.58	0.15	99,99,117	0.0	0.0	0.0	0,0,0
4068	0.14	0.74	0.18	111,111,117	0.0	0.0	0.0	0,0,0
4069	0.06	0.27	0.07	103,103,117	0.0	0.0	0.0	0,0,0
4070	0.17	0.71	0.21	112,110,117	0.0	0.0	0.0	0,0,0
4071	0.11	0.71	0.14	111,111,117	0.0	0.0	0.0	0,0,0
4072	0.05	0.23	0.06	103,103,117	0.0	0.0	0.0	0,0,0
4073	0.34	0.76	0.18	109,110,117	0.19	0.0	0.0	110,0,0
4074	0.17	0.73	0.22	111,111,117	0.0	0.0	0.0	0,0,0
4075	0.05	0.23	0.06	109,111,117	0.0	0.0	0.0	0,0,0
4076	0.04	0.18	0.05	112,108,117	0.0	0.0	0.0	0,0,0
4077	0.08	0.41	0.10	100,100,117	0.0	0.0	0.0	0,0,0
4078	0.07	0.35	0.10	100,104,117	0.0	0.0	0.0	0,0,0
4079	0.17	0.77	0.22	109,100,117	0.0	0.0	0.0	0,0,0
4080	0.14	0.69	0.18	99,99,117	0.0	0.0	0.0	0,0,0
4081	0.19	0.81	0.24	111,111,117	0.0	0.0	0.0	0,0,0
4082	0.12	0.47	0.11	111,108,117	0.0	0.0	0.0	0,0,0
4083	0.05	0.28	0.06	112,99,117	0.0	0.0	0.0	0,0,0
4084	0.07	0.33	0.10	112,104,117	0.0	0.0	0.0	0,0,0
4085	0.12	0.60	0.16	111,109,117	0.0	0.0	0.0	0,0,0
4086	0.10	0.50	0.13	99,99,117	0.0	0.0	0.0	0,0,0
4087	0.07	0.42	0.09	109,109,117	0.0	0.0	0.0	0,0,0
4088	0.04	0.16	0.06	112,102,117	0.0	0.0	0.0	0,0,0
4089	0.14	0.55	0.17	112,111,117	0.0	0.0	0.0	0,0,0
4090	0.13	0.58	0.17	111,111,117	0.0	0.0	0.0	0,0,0
4091	0.12	0.60	0.16	112,110,117	0.0	0.0	0.0	0,0,0
4092	0.13	0.67	0.17	99,99,117	0.0	0.0	0.0	0,0,0
4093	0.07	0.35	0.09	112,112,117	0.0	0.0	0.0	0,0,0
4094	0.04	0.19	0.05	101,106,117	0.0	0.0	0.0	0,0,0
4095	0.05	0.25	0.07	103,110,117	0.0	0.0	0.0	0,0,0
4096	0.22	0.67	0.22	110,111,117	0.0	0.0	0.0	0,0,0
4097	0.05	0.26	0.06	110,108,117	0.0	0.0	0.0	0,0,0
4098	0.17	0.72	0.22	111,109,117	0.0	0.0	0.0	0,0,0
4099	0.13	0.62	0.17	111,104,117	0.0	0.0	0.0	0,0,0
4100	0.14	0.69	0.18	99,111,117	0.0	0.0	0.0	0,0,0
4101	0.05	0.24	0.06	110,110,117	0.0	0.0	0.0	0,0,0
4102	0.37	0.78	0.22	111,111,117	0.20	0.0	0.0	110,0,0
4103	0.03	0.18	0.04	106,108,117	0.0	0.0	0.0	0,0,0
4104	0.15	0.67	0.19	110,112,117	0.0	0.0	0.0	0,0,0
4105	0.13	0.64	0.17	110,110,117	0.0	0.0	0.0	0,0,0
4106	0.09	0.43	0.11	111,111,117	0.0	0.0	0.0	0,0,0
4107	0.04	0.19	0.05	103,106,117	0.0	0.0	0.0	0,0,0
4108	0.14	0.62	0.18	100,111,117	0.0	0.0	0.0	0,0,0
4109	0.12	0.66	0.15	110,100,117	0.0	0.0	0.0	0,0,0
4110	0.06	0.38	0.07	111,106,117	0.0	0.0	0.0	0,0,0
4111	0.13	0.65	0.15	110,110,117	0.0	0.0	0.0	0,0,0
4112	0.04	0.17	0.05	101,106,117	0.0	0.0	0.0	0,0,0
4113	0.17	0.75	0.22	111,100,117	0.0	0.0	0.0	0,0,0
4114	0.10	0.51	0.13	99,99,117	0.0	0.0	0.0	0,0,0
4115	0.14	0.69	0.18	99,99,117	0.0	0.0	0.0	0,0,0
4116	0.13	0.64	0.17	99,99,117	0.0	0.0	0.0	0,0,0
4117	0.07	0.50	0.08	100,99,117	0.0	0.0	0.0	0,0,0
4118	0.10	0.55	0.13	99,112,117	0.0	0.0	0.0	0,0,0
4119	0.09	0.50	0.11	110,110,117	0.0	0.0	0.0	0,0,0
4120	0.08	0.41	0.10	110,109,117	0.0	0.0	0.0	0,0,0
4121	0.07	0.41	0.09	103,110,117	0.0	0.0	0.0	0,0,0
4122	0.06	0.29	0.08	109,109,117	0.0	0.0	0.0	0,0,0
4123	0.09	0.42	0.11	103,109,117	0.0	0.0	0.0	0,0,0
4124	0.16	0.74	0.21	110,111,117	0.0	0.0	0.0	0,0,0
4125	0.15	0.69	0.17	109,109,117	0.0	0.0	0.0	0,0,0
4126	0.08	0.39	0.10	100,111,117	0.0	0.0	0.0	0,0,0
4127	0.16	0.82	0.21	110,100,117	0.0	0.0	0.0	0,0,0
4128	0.13	0.58	0.16	111,100,117	0.0	0.0	0.0	0,0,0
4129	0.06	0.34	0.08	109,109,117	0.0	0.0	0.0	0,0,0
4130	0.06	0.36	0.08	110,112,117	0.0	0.0	0.0	0,0,0
4131	0.08	0.41	0.10	104,104,117	0.0	0.0	0.0	0,0,0
4132	0.08	0.41	0.10	99,110,117	0.0	0.0	0.0	0,0,0
4133	0.16	0.77	0.20	111,111,117	0.0	0.0	0.0	0,0,0

4134	0.19	0.82	0.24	109,109,117	0.0	0.0	0.0	0,0,0
4135	0.09	0.46	0.11	99,109,117	0.0	0.0	0.0	0,0,0
4136	0.12	0.57	0.15	112,110,117	0.0	0.0	0.0	0,0,0
4137	0.09	0.47	0.12	112,109,117	0.0	0.0	0.0	0,0,0
4138	0.18	0.69	0.21	110,110,117	0.0	0.0	0.0	0,0,0
4139	0.05	0.23	0.06	109,100,117	0.0	0.0	0.0	0,0,0
4140	0.05	0.25	0.06	112,110,117	0.0	0.0	0.0	0,0,0
4141	0.16	0.68	0.18	112,99,117	0.0	0.0	0.0	0,0,0
4142	0.13	0.61	0.16	109,111,117	0.0	0.0	0.0	0,0,0
4143	0.05	0.22	0.06	100,112,117	0.0	0.0	0.0	0,0,0
4144	0.14	0.58	0.18	100,100,117	0.0	0.0	0.0	0,0,0
4145	0.11	0.63	0.13	112,112,117	0.0	0.0	0.0	0,0,0
4146	0.07	0.44	0.09	109,110,117	0.0	0.0	0.0	0,0,0
4147	0.12	0.45	0.15	109,109,117	0.0	0.0	0.0	0,0,0
4148	0.18	0.67	0.20	111,109,117	0.0	0.0	0.0	0,0,0
4149	0.05	0.24	0.06	103,103,117	0.0	0.0	0.0	0,0,0
4150	0.08	0.46	0.10	111,104,117	0.0	0.0	0.0	0,0,0
4151	0.06	0.25	0.07	109,109,117	0.0	0.0	0.0	0,0,0
4152	0.06	0.34	0.06	106,108,117	0.0	0.0	0.0	0,0,0
4153	0.09	0.49	0.11	109,109,117	0.0	0.0	0.0	0,0,0
4154	0.17	0.71	0.22	99,109,117	0.0	0.0	0.0	0,0,0
4155	0.14	0.75	0.18	112,110,117	0.0	0.0	0.0	0,0,0
4156	0.14	0.59	0.18	112,111,117	0.0	0.0	0.0	0,0,0
4157	0.04	0.14	0.05	110,106,117	0.0	0.0	0.0	0,0,0
4158	0.07	0.37	0.09	112,112,117	0.0	0.0	0.0	0,0,0
4159	0.07	0.26	0.09	111,105,117	0.0	0.0	0.0	0,0,0
4160	0.06	0.28	0.07	103,103,117	0.0	0.0	0.0	0,0,0
4161	0.05	0.20	0.06	110,106,117	0.0	0.0	0.0	0,0,0
4162	0.07	0.32	0.08	109,111,117	0.0	0.0	0.0	0,0,0
4163	0.13	0.58	0.15	111,112,117	0.0	0.0	0.0	0,0,0
4164	0.05	0.24	0.07	112,106,117	0.0	0.0	0.0	0,0,0
4165	0.15	0.80	0.20	111,100,117	0.0	0.0	0.0	0,0,0
4166	0.06	0.48	0.08	99,99,117	0.0	0.0	0.0	0,0,0
4167	0.10	0.48	0.11	112,112,117	0.0	0.0	0.0	0,0,0
4168	0.18	0.83	0.23	111,109,117	0.0	0.0	0.0	0,0,0
4169	0.23	0.73	0.29	111,100,117	0.0	0.0	0.0	0,0,0
4170	0.09	0.46	0.10	109,109,117	0.0	0.0	0.0	0,0,0
4171	0.09	0.55	0.12	112,112,117	0.0	0.0	0.0	0,0,0
4172	0.07	0.46	0.09	112,100,117	0.0	0.0	0.0	0,0,0
4173	0.12	0.57	0.15	111,111,117	0.0	0.0	0.0	0,0,0
4174	0.15	0.66	0.18	109,111,117	0.0	0.0	0.0	0,0,0
4175	0.11	0.50	0.14	99,99,117	0.0	0.0	0.0	0,0,0
4176	0.18	0.83	0.23	111,109,117	0.0	0.0	0.0	0,0,0
4177	0.06	0.40	0.08	112,104,117	0.0	0.0	0.0	0,0,0
4178	0.06	0.36	0.07	109,111,117	0.0	0.0	0.0	0,0,0
4179	0.05	0.29	0.06	104,104,117	0.0	0.0	0.0	0,0,0
4180	0.19	0.81	0.25	100,112,117	0.0	0.0	0.0	0,0,0
4181	0.12	0.53	0.14	109,109,117	0.0	0.0	0.0	0,0,0
4182	0.24	0.82	0.25	110,112,117	0.0	0.0	0.0	0,0,0
4183	0.10	0.55	0.13	109,111,117	0.0	0.0	0.0	0,0,0
4184	0.06	0.33	0.06	105,107,117	0.0	0.0	0.0	0,0,0
4185	0.11	0.54	0.15	109,99,117	0.0	0.0	0.0	0,0,0
4186	0.13	0.72	0.16	109,100,117	0.0	0.0	0.0	0,0,0
4187	0.11	0.52	0.15	110,103,117	0.0	0.0	0.0	0,0,0
4188	0.05	0.17	0.06	110,106,117	0.0	0.0	0.0	0,0,0
4189	0.18	0.69	0.22	111,109,117	0.0	0.0	0.0	0,0,0
4190	0.14	0.59	0.17	109,109,117	0.0	0.0	0.0	0,0,0
4191	0.14	0.67	0.18	100,100,117	0.0	0.0	0.0	0,0,0
4192	0.04	0.23	0.05	104,106,117	0.0	0.0	0.0	0,0,0
4193	0.08	0.40	0.10	111,109,117	0.0	0.0	0.0	0,0,0
4194	0.09	0.54	0.11	112,109,117	0.0	0.0	0.0	0,0,0
4195	0.06	0.36	0.08	99,110,117	0.0	0.0	0.0	0,0,0
4196	0.05	0.34	0.06	111,112,117	0.0	0.0	0.0	0,0,0
4197	0.17	0.63	0.20	109,109,117	0.0	0.0	0.0	0,0,0
4198	0.08	0.41	0.11	100,111,117	0.0	0.0	0.0	0,0,0
4199	0.08	0.46	0.10	100,111,117	0.0	0.0	0.0	0,0,0
4200	0.08	0.44	0.10	100,112,117	0.0	0.0	0.0	0,0,0
4201	0.17	0.55	0.19	111,111,117	0.0	0.0	0.0	0,0,0
4202	0.08	0.41	0.10	104,104,117	0.0	0.0	0.0	0,0,0
4203	0.07	0.38	0.09	112,112,117	0.0	0.0	0.0	0,0,0
4204	0.13	0.58	0.16	100,100,117	0.0	0.0	0.0	0,0,0
4205	0.05	0.25	0.06	112,104,117	0.0	0.0	0.0	0,0,0
4206	0.22	0.82	0.26	112,110,117	0.0	0.0	0.0	0,0,0
4207	0.05	0.24	0.06	112,111,117	0.0	0.0	0.0	0,0,0
4208	0.14	0.66	0.17	104,111,117	0.0	0.0	0.0	0,0,0
4209	0.05	0.23	0.06	100,111,117	0.0	0.0	0.0	0,0,0
4210	0.21	0.71	0.23	110,100,117	0.0	0.0	0.0	0,0,0

4211	0.11	0.44	0.11	112,109,117	0.0	0.0	0.0	0,0,0
4212	0.11	0.55	0.14	99,99,117	0.0	0.0	0.0	0,0,0
4213	0.05	0.25	0.07	112,112,117	0.0	0.0	0.0	0,0,0
4214	0.19	0.67	0.22	111,110,117	0.0	0.0	0.0	0,0,0
4215	0.05	0.26	0.07	103,110,117	0.0	0.0	0.0	0,0,0
4216	0.15	0.75	0.20	99,99,117	0.0	0.0	0.0	0,0,0
4217	0.14	0.68	0.18	109,109,117	0.0	0.0	0.0	0,0,0
4218	0.12	0.62	0.14	112,104,117	0.0	0.0	0.0	0,0,0
4219	0.10	0.47	0.12	109,109,117	0.0	0.0	0.0	0,0,0
4220	0.15	0.61	0.17	111,111,117	0.0	0.0	0.0	0,0,0
4221	0.07	0.33	0.09	111,111,117	0.0	0.0	0.0	0,0,0
4222	0.15	0.72	0.19	109,111,117	0.0	0.0	0.0	0,0,0
4223	0.11	0.53	0.14	100,112,117	0.0	0.0	0.0	0,0,0
4224	0.11	0.55	0.13	104,112,117	0.0	0.0	0.0	0,0,0
4225	0.07	0.22	0.09	110,101,117	0.0	0.0	0.0	0,0,0
4226	0.04	0.20	0.05	103,103,117	0.0	0.0	0.0	0,0,0
4227	0.19	0.80	0.19	110,110,117	0.0	0.0	0.0	0,0,0
4228	0.09	0.48	0.11	110,112,117	0.0	0.0	0.0	0,0,0
4229	0.12	0.80	0.16	109,111,117	0.0	0.0	0.0	0,0,0
4230	0.06	0.37	0.07	112,105,117	0.0	0.0	0.0	0,0,0
4231	0.10	0.48	0.11	111,111,117	0.0	0.0	0.0	0,0,0
4232	0.09	0.38	0.11	111,111,117	0.0	0.0	0.0	0,0,0
4233	0.11	0.59	0.14	111,111,117	0.0	0.0	0.0	0,0,0
4234	0.08	0.40	0.11	109,110,117	0.0	0.0	0.0	0,0,0
4235	0.23	0.80	0.26	110,112,117	0.0	0.0	0.0	0,0,0
4236	0.07	0.38	0.09	109,111,117	0.0	0.0	0.0	0,0,0
4237	0.12	0.60	0.16	103,109,117	0.0	0.0	0.0	0,0,0
4238	0.08	0.47	0.10	111,111,117	0.0	0.0	0.0	0,0,0
4239	0.18	0.59	0.20	110,111,117	0.0	0.0	0.0	0,0,0
4240	0.15	0.64	0.18	112,112,117	0.0	0.0	0.0	0,0,0
4241	0.05	0.42	0.07	109,110,117	0.0	0.0	0.0	0,0,0
4242	0.17	0.64	0.21	111,110,117	0.0	0.0	0.0	0,0,0
4243	0.09	0.44	0.11	100,100,117	0.0	0.0	0.0	0,0,0
4244	0.09	0.55	0.11	111,110,117	0.0	0.0	0.0	0,0,0
4245	0.14	0.55	0.17	111,112,117	0.0	0.0	0.0	0,0,0
4246	0.17	0.58	0.18	111,100,117	0.0	0.0	0.0	0,0,0
4247	0.09	0.48	0.12	100,100,117	0.0	0.0	0.0	0,0,0
4248	0.14	0.63	0.17	112,112,117	0.0	0.0	0.0	0,0,0
4249	0.14	0.75	0.17	104,100,117	0.0	0.0	0.0	0,0,0
4250	0.10	0.51	0.12	112,111,117	0.0	0.0	0.0	0,0,0
4251	0.13	0.64	0.17	100,100,117	0.0	0.0	0.0	0,0,0
4252	0.10	0.45	0.12	109,109,117	0.0	0.0	0.0	0,0,0
4253	0.09	0.49	0.11	99,100,117	0.0	0.0	0.0	0,0,0
4254	0.04	0.19	0.05	112,108,117	0.0	0.0	0.0	0,0,0
4255	0.06	0.40	0.08	112,112,117	0.0	0.0	0.0	0,0,0
4256	0.25	0.79	0.26	109,100,117	0.0	0.0	0.0	0,0,0
4257	0.04	0.21	0.05	110,110,117	0.0	0.0	0.0	0,0,0
4258	0.08	0.33	0.10	111,104,117	0.0	0.0	0.0	0,0,0
4259	0.23	0.81	0.28	111,111,117	0.0	0.0	0.0	0,0,0
4260	0.05	0.40	0.07	109,100,117	0.0	0.0	0.0	0,0,0
4261	0.06	0.28	0.08	99,99,117	0.0	0.0	0.0	0,0,0
4262	0.05	0.35	0.07	111,112,117	0.0	0.0	0.0	0,0,0
4263	0.13	0.64	0.16	104,112,117	0.0	0.0	0.0	0,0,0
4264	0.14	0.56	0.17	110,112,117	0.0	0.0	0.0	0,0,0
4265	0.20	0.57	0.23	109,111,117	0.0	0.0	0.0	0,0,0
4266	0.12	0.74	0.16	110,100,117	0.0	0.0	0.0	0,0,0
4267	0.09	0.48	0.11	109,111,117	0.0	0.0	0.0	0,0,0
4268	0.06	0.42	0.08	111,109,117	0.0	0.0	0.0	0,0,0
4269	0.09	0.46	0.11	100,110,117	0.0	0.0	0.0	0,0,0
4270	0.15	0.75	0.19	110,99,117	0.0	0.0	0.0	0,0,0
4271	0.20	0.75	0.23	112,99,117	0.0	0.0	0.0	0,0,0
4272	0.13	0.56	0.16	111,112,117	0.0	0.0	0.0	0,0,0
4273	0.05	0.22	0.06	100,111,117	0.0	0.0	0.0	0,0,0
4274	0.16	0.71	0.20	100,112,117	0.0	0.0	0.0	0,0,0
4275	0.05	0.29	0.07	99,108,117	0.0	0.0	0.0	0,0,0
4276	0.12	0.55	0.15	99,109,117	0.0	0.0	0.0	0,0,0
4277	0.17	0.83	0.22	99,99,117	0.0	0.0	0.0	0,0,0
4278	0.20	0.78	0.24	112,110,117	0.0	0.0	0.0	0,0,0
4279	0.26	0.78	0.31	109,109,117	0.0	0.0	0.0	0,0,0
4280	0.16	0.74	0.21	112,112,117	0.0	0.0	0.0	0,0,0
4281	0.05	0.26	0.07	110,103,117	0.0	0.0	0.0	0,0,0
4282	0.05	0.22	0.06	110,112,117	0.0	0.0	0.0	0,0,0
4283	0.04	0.17	0.05	104,102,117	0.0	0.0	0.0	0,0,0
4284	0.18	0.53	0.20	112,110,117	0.0	0.0	0.0	0,0,0
4285	0.14	0.66	0.18	109,109,117	0.0	0.0	0.0	0,0,0
4286	0.16	0.70	0.20	100,100,117	0.0	0.0	0.0	0,0,0
4287	0.08	0.41	0.07	109,109,117	0.0	0.0	0.0	0,0,0

4288	0.05	0.22	0.06	109,111,117	0.0	0.0	0.0	0,0,0
4289	0.07	0.41	0.09	99,112,117	0.0	0.0	0.0	0,0,0
4290	0.13	0.63	0.17	104,100,117	0.0	0.0	0.0	0,0,0
4291	0.09	0.47	0.12	109,112,117	0.0	0.0	0.0	0,0,0
4292	0.05	0.23	0.06	110,112,117	0.0	0.0	0.0	0,0,0
4293	0.06	0.28	0.08	111,112,117	0.0	0.0	0.0	0,0,0
4294	0.05	0.28	0.07	111,103,117	0.0	0.0	0.0	0,0,0
4295	0.06	0.30	0.08	110,110,117	0.0	0.0	0.0	0,0,0
4296	0.10	0.53	0.13	100,111,117	0.0	0.0	0.0	0,0,0
4297	0.05	0.32	0.06	112,111,117	0.0	0.0	0.0	0,0,0
4298	0.05	0.35	0.07	109,112,117	0.0	0.0	0.0	0,0,0
4299	0.07	0.33	0.09	112,112,117	0.0	0.0	0.0	0,0,0
4300	0.08	0.39	0.11	100,100,117	0.0	0.0	0.0	0,0,0
4301	0.13	0.64	0.15	110,110,117	0.0	0.0	0.0	0,0,0
4302	0.14	0.53	0.18	111,112,117	0.0	0.0	0.0	0,0,0
4303	0.12	0.60	0.16	110,112,117	0.0	0.0	0.0	0,0,0
4304	0.05	0.22	0.06	112,107,117	0.0	0.0	0.0	0,0,0
4305	0.05	0.23	0.06	111,108,117	0.0	0.0	0.0	0,0,0
4306	0.15	0.79	0.20	99,100,117	0.0	0.0	0.0	0,0,0
4307	0.04	0.19	0.05	104,112,117	0.0	0.0	0.0	0,0,0
4308	0.07	0.37	0.09	100,100,117	0.0	0.0	0.0	0,0,0
4309	0.10	0.49	0.13	109,109,117	0.0	0.0	0.0	0,0,0
4310	0.05	0.24	0.06	112,110,117	0.0	0.0	0.0	0,0,0
4311	0.16	0.68	0.18	110,110,117	0.0	0.0	0.0	0,0,0
4312	0.18	0.82	0.22	109,100,117	0.0	0.0	0.0	0,0,0
4313	0.15	0.70	0.19	100,110,117	0.0	0.0	0.0	0,0,0
4314	0.14	0.76	0.17	109,110,117	0.0	0.0	0.0	0,0,0
4315	0.13	0.63	0.14	112,112,117	0.0	0.0	0.0	0,0,0
4316	0.06	0.42	0.08	109,104,117	0.0	0.0	0.0	0,0,0
4317	0.05	0.22	0.06	111,112,117	0.0	0.0	0.0	0,0,0
4318	0.20	0.72	0.23	110,110,117	0.0	0.0	0.0	0,0,0
4319	0.08	0.37	0.10	99,99,117	0.0	0.0	0.0	0,0,0
4320	0.08	0.40	0.08	110,112,117	0.0	0.0	0.0	0,0,0
4321	0.16	0.70	0.20	110,111,117	0.0	0.0	0.0	0,0,0
4322	0.14	0.58	0.18	100,100,117	0.0	0.0	0.0	0,0,0
4323	0.05	0.25	0.06	109,110,117	0.0	0.0	0.0	0,0,0
4324	0.23	0.82	0.25	110,112,117	0.0	0.0	0.0	0,0,0
4325	0.14	0.70	0.18	104,109,117	0.0	0.0	0.0	0,0,0
4326	0.11	0.56	0.14	100,100,117	0.0	0.0	0.0	0,0,0
4327	0.08	0.33	0.10	112,110,117	0.0	0.0	0.0	0,0,0
4328	0.04	0.23	0.05	112,107,117	0.0	0.0	0.0	0,0,0
4329	0.06	0.25	0.07	111,111,117	0.0	0.0	0.0	0,0,0
4330	0.06	0.44	0.08	100,109,117	0.0	0.0	0.0	0,0,0
4331	0.07	0.39	0.09	110,110,117	0.0	0.0	0.0	0,0,0
4332	0.18	0.83	0.23	100,110,117	0.0	0.0	0.0	0,0,0
4333	0.13	0.61	0.16	103,110,117	0.0	0.0	0.0	0,0,0
4334	0.04	0.20	0.06	112,107,117	0.0	0.0	0.0	0,0,0
4335	0.13	0.62	0.17	110,104,117	0.0	0.0	0.0	0,0,0
4336	0.12	0.52	0.14	110,110,117	0.0	0.0	0.0	0,0,0
4337	0.06	0.26	0.07	110,99,117	0.0	0.0	0.0	0,0,0
4338	0.05	0.20	0.06	112,110,117	0.0	0.0	0.0	0,0,0
4339	0.05	0.20	0.06	112,100,117	0.0	0.0	0.0	0,0,0
4340	0.04	0.25	0.05	109,109,117	0.0	0.0	0.0	0,0,0
4341	0.08	0.37	0.09	110,112,117	0.0	0.0	0.0	0,0,0
4342	0.04	0.22	0.05	103,106,117	0.0	0.0	0.0	0,0,0
4343	0.08	0.39	0.11	104,100,117	0.0	0.0	0.0	0,0,0
4344	0.08	0.45	0.10	112,112,117	0.0	0.0	0.0	0,0,0
4345	0.08	0.54	0.10	109,112,117	0.0	0.0	0.0	0,0,0
4346	0.12	0.62	0.13	111,111,117	0.0	0.0	0.0	0,0,0
4347	0.35	0.76	0.22	109,109,117	0.18	0.0	0.0	109,0,0
4348	0.11	0.47	0.13	109,109,117	0.0	0.0	0.0	0,0,0
4349	0.09	0.48	0.11	100,100,117	0.0	0.0	0.0	0,0,0
4350	0.15	0.72	0.19	99,99,117	0.0	0.0	0.0	0,0,0
4351	0.06	0.36	0.08	99,109,117	0.0	0.0	0.0	0,0,0
4352	0.18	0.77	0.24	100,112,117	0.0	0.0	0.0	0,0,0
4353	0.15	0.77	0.19	100,100,117	0.0	0.0	0.0	0,0,0
4354	0.07	0.36	0.08	110,110,117	0.0	0.0	0.0	0,0,0
4355	0.13	0.61	0.16	99,100,117	0.0	0.0	0.0	0,0,0
4356	0.04	0.21	0.05	104,107,117	0.0	0.0	0.0	0,0,0
4357	0.18	0.64	0.21	110,110,117	0.0	0.0	0.0	0,0,0
4358	0.13	0.58	0.17	112,99,117	0.0	0.0	0.0	0,0,0
4359	0.15	0.69	0.19	112,112,117	0.0	0.0	0.0	0,0,0
4360	0.15	0.80	0.19	112,112,117	0.0	0.0	0.0	0,0,0
4361	0.17	0.77	0.22	99,112,117	0.0	0.0	0.0	0,0,0
4362	0.14	0.80	0.18	112,112,117	0.0	0.0	0.0	0,0,0
4363	0.10	0.56	0.13	100,100,117	0.0	0.0	0.0	0,0,0
4364	0.16	0.82	0.21	112,112,117	0.0	0.0	0.0	0,0,0

4365	0.13	0.60	0.16	99,99,117	0.0	0.0	0.0	0,0,0
4366	0.11	0.50	0.13	109,99,117	0.0	0.0	0.0	0,0,0
4367	0.04	0.21	0.05	104,107,117	0.0	0.0	0.0	0,0,0
4368	0.11	0.63	0.13	111,111,117	0.0	0.0	0.0	0,0,0
4369	0.14	0.62	0.17	109,112,117	0.0	0.0	0.0	0,0,0
4370	0.06	0.28	0.08	100,112,117	0.0	0.0	0.0	0,0,0
4371	0.04	0.23	0.05	112,107,117	0.0	0.0	0.0	0,0,0
4372	0.05	0.30	0.06	112,112,117	0.0	0.0	0.0	0,0,0
4373	0.12	0.71	0.16	109,100,117	0.0	0.0	0.0	0,0,0
4374	0.17	0.73	0.21	111,111,117	0.0	0.0	0.0	0,0,0
4375	0.09	0.40	0.11	99,110,117	0.0	0.0	0.0	0,0,0
4376	0.16	0.73	0.21	109,112,117	0.0	0.0	0.0	0,0,0
4377	0.17	0.82	0.22	110,99,117	0.0	0.0	0.0	0,0,0
4378	0.08	0.39	0.10	100,111,117	0.0	0.0	0.0	0,0,0
4379	0.07	0.32	0.09	103,103,117	0.0	0.0	0.0	0,0,0
4380	0.05	0.18	0.06	99,106,117	0.0	0.0	0.0	0,0,0
4381	0.05	0.25	0.07	111,111,117	0.0	0.0	0.0	0,0,0
4382	0.10	0.46	0.13	112,109,117	0.0	0.0	0.0	0,0,0
4383	0.08	0.40	0.10	111,111,117	0.0	0.0	0.0	0,0,0
4384	0.17	0.80	0.22	99,109,117	0.0	0.0	0.0	0,0,0
4385	0.05	0.44	0.07	100,110,117	0.0	0.0	0.0	0,0,0
4386	0.07	0.36	0.09	112,112,117	0.0	0.0	0.0	0,0,0
4387	0.12	0.58	0.15	111,109,117	0.0	0.0	0.0	0,0,0
4388	0.06	0.30	0.08	112,111,117	0.0	0.0	0.0	0,0,0
4389	0.25	0.78	0.30	110,110,117	0.0	0.0	0.0	0,0,0
4390	0.04	0.20	0.05	102,108,117	0.0	0.0	0.0	0,0,0
4391	0.04	0.23	0.05	104,110,117	0.0	0.0	0.0	0,0,0
4392	0.07	0.44	0.09	110,109,117	0.0	0.0	0.0	0,0,0
4393	0.15	0.70	0.19	100,109,117	0.0	0.0	0.0	0,0,0
4394	0.15	0.73	0.20	100,100,117	0.0	0.0	0.0	0,0,0
4395	0.10	0.47	0.12	109,109,117	0.0	0.0	0.0	0,0,0
4396	0.06	0.32	0.08	111,110,117	0.0	0.0	0.0	0,0,0
4397	0.12	0.59	0.15	112,100,117	0.0	0.0	0.0	0,0,0
4398	0.06	0.31	0.08	110,112,117	0.0	0.0	0.0	0,0,0
4399	0.04	0.23	0.05	104,109,117	0.0	0.0	0.0	0,0,0
4400	0.05	0.19	0.06	100,108,117	0.0	0.0	0.0	0,0,0
4401	0.17	0.72	0.20	111,111,117	0.0	0.0	0.0	0,0,0
4402	0.12	0.61	0.15	112,111,117	0.0	0.0	0.0	0,0,0
4403	0.17	0.54	0.19	112,112,117	0.0	0.0	0.0	0,0,0
4404	0.13	0.65	0.16	104,111,117	0.0	0.0	0.0	0,0,0
4405	0.09	0.47	0.12	111,111,117	0.0	0.0	0.0	0,0,0
4406	0.10	0.47	0.13	99,109,117	0.0	0.0	0.0	0,0,0
4407	0.07	0.32	0.09	99,111,117	0.0	0.0	0.0	0,0,0
4408	0.05	0.23	0.06	100,109,117	0.0	0.0	0.0	0,0,0
4409	0.11	0.53	0.13	104,111,117	0.0	0.0	0.0	0,0,0
4410	0.10	0.54	0.13	109,109,117	0.0	0.0	0.0	0,0,0
4411	0.08	0.41	0.10	111,111,117	0.0	0.0	0.0	0,0,0
4412	0.10	0.52	0.10	110,110,117	0.0	0.0	0.0	0,0,0
4413	0.08	0.38	0.10	111,111,117	0.0	0.0	0.0	0,0,0
4414	0.05	0.22	0.06	100,99,117	0.0	0.0	0.0	0,0,0
4415	0.11	0.57	0.15	99,109,117	0.0	0.0	0.0	0,0,0
4416	0.08	0.36	0.10	111,99,117	0.0	0.0	0.0	0,0,0
4417	0.07	0.37	0.09	111,111,117	0.0	0.0	0.0	0,0,0
4418	0.14	0.71	0.19	100,100,117	0.0	0.0	0.0	0,0,0
4419	0.07	0.32	0.09	99,112,117	0.0	0.0	0.0	0,0,0
4420	0.15	0.72	0.19	111,111,117	0.0	0.0	0.0	0,0,0
4421	0.04	0.17	0.04	103,108,117	0.0	0.0	0.0	0,0,0
4422	0.10	0.63	0.13	111,112,117	0.0	0.0	0.0	0,0,0
4423	0.06	0.29	0.07	103,103,117	0.0	0.0	0.0	0,0,0
4424	0.12	0.52	0.15	110,103,117	0.0	0.0	0.0	0,0,0
4425	0.10	0.64	0.13	100,111,117	0.0	0.0	0.0	0,0,0
4426	0.09	0.45	0.12	104,100,117	0.0	0.0	0.0	0,0,0
4427	0.05	0.30	0.06	103,109,117	0.0	0.0	0.0	0,0,0
4428	0.15	0.72	0.19	112,112,117	0.0	0.0	0.0	0,0,0
4429	0.05	0.23	0.07	104,104,117	0.0	0.0	0.0	0,0,0
4430	0.13	0.61	0.17	110,112,117	0.0	0.0	0.0	0,0,0
4431	0.13	0.63	0.16	109,109,117	0.0	0.0	0.0	0,0,0
4432	0.12	0.61	0.16	99,99,117	0.0	0.0	0.0	0,0,0
Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.37	0.84	0.31		0.20	0.0	0.0	

TEGOLO DI COPERTURA

Caratteristiche dei materiali					
CALCESTRUZZO			ACCIAIO ARMONICO		
Rck finale cls trave	(daN/cm ²)	550.00	Tiro iniziale	(daN/cm ²)	14250.00
Rck iniziale cls trave	(daN/cm ²)	380.00	Tens ammissib	(daN/cm ²)	13360.00
Rck cls caldana	(daN/cm ²)	300.00	Modulo elastico	(daN/cm ²)	2000000.00
Coefficiente di ritiro		0.00030	% Tens al taglio trefoli		99.0
Coefficiente di viscosità		2.30	% Rilass ad α dei trefoli		4.6
Coeff omogeneiz trefoli		1	% Rilass ad α min trefoli		4.6
Coeff omogeneiz soletta		0.86	Lungh aderenza trefoli	(cm)	70.0
% ritiro al taglio trefoli		25			
			Tens acciaio ordinario	(daN/cm ²)	3913.04
			Lungh aderenza acc	(cm)	50.0

Valori limite e coefficienti normativi					
Tensioni massime nel cls al taglio trefoli			Caratteristiche ambiente Ordinario		
Massima compressione	(daN/cm ²)	220.78	Amp max fessure SLE QP	(cm)	0.02
Tensioni agli SLE Quasi permanenti e Frequenti			Amp max fessure SLE FR	(cm)	0.03
Massima compressione	(daN/cm ²)	205.42	Deformazioni limite a rottura		
Tensioni agli SLE Rara			Calcestruzzo		0.0035
Massima compressione	(daN/cm ²)	273.90	Acciaio armonico		0.0100
			Acciaio ordinario		0.0100

Dati di input					
DATI GENERALI					
Lunghezza totale della trave	(cm)	1820.0			
Lunghezza teorica di calcolo della trave	(cm)	1800.0			
Lunghezza sbalzi alle estremità trave	sx (cm)	10.0	dx (cm)	10.0	
Numero tratti di suddivisione per il calcolo	sx	14	dx	14	
Incremento carichi per sisma verticale		SI			
1° periodo di vibrazione della trave	(sec)	0.35			
Coeff riduz carichi variab per sisma verticale		0.00			
Coeff di intensità sisma verticale	in luce	+/-0.011	su sbalzo	+/-0.011	
Metodo di calcolo		Stati limite			
Criterio di calcolo		Precompressione totale			

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE (nn=n. vertice; coordinate [x;y] nelle sezioni X=0, X=L/2, X=L)

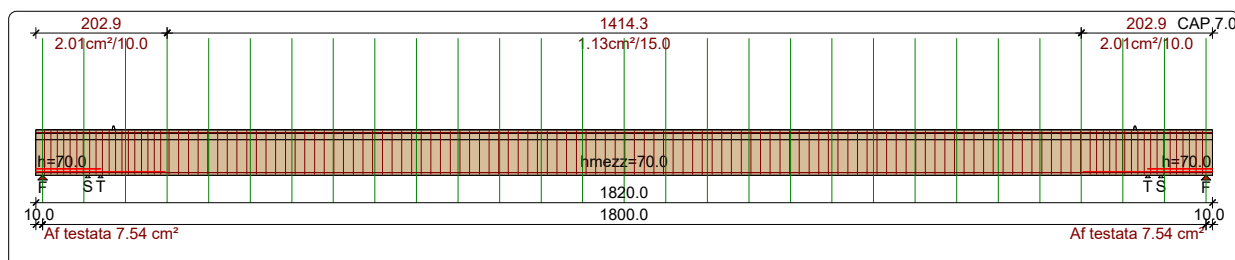
Contorno 1 - Pieno											
1	[54.5;0.0]	[54.5;0.0]	2	[53.5;55.0]	[53.5;55.0]	3	[43.5;65.0]	[43.5;65.0]	[43.5;65.0]		
4	[0.0;65.0]	[0.0;65.0]	5	[0.0;70.0]	[0.0;70.0]	6	[249.0;70.0]	[249.0;70.0]	[249.0;70.0]		
7	[249.0;65.0]	[249.0;65.0]	8	[205.5;65.0]	[205.5;65.0]	9	[195.5;55.0]	[195.5;55.0]	[195.5;55.0]		
10	[194.5;0.0]	[194.5;0.0]	11	[179.5;0.0]	[179.5;0.0]	12	[178.5;55.0]	[178.5;55.0]	[178.5;55.0]		
13	[168.5;65.0]	[168.5;65.0]	14	[80.5;65.0]	[80.5;65.0]	15	[70.5;55.0]	[70.5;55.0]	[70.5;55.0]		
16	[69.5;0.0]	[69.5;0.0]									

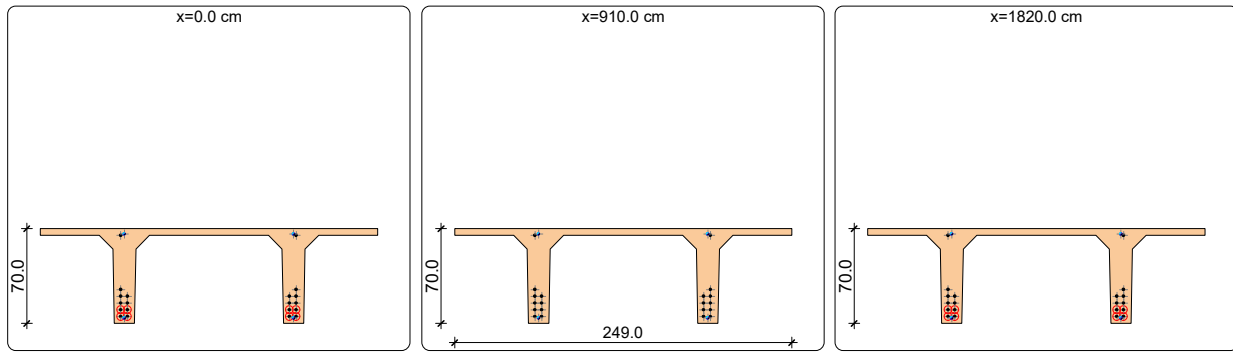
DISPOSIZIONE DEI TREFOLI E DEI TUBETTI (Totale trefoli 20) - (cm, cm²)

n.	coord	LgSx	LgDx	LgAd	Area	n.	coord	LgSx	LgDx	LgAd	Area	n.	coord	LgSx	LgDx	LgAd	Area
1	[64.3;5.0]	200.0	200.0	85.0	0.93	2	[59.3;5.0]	200.0	200.0	85.0	0.93	3	[64.3;10.0]	100.0	100.0	85.0	0.93
4	[59.3;10.0]	100.0	100.0	85.0	0.93	5	[188.9;5.0]	200.0	200.0	85.0	0.93	6	[183.9;5.0]	200.0	200.0	85.0	0.93
7	[188.9;10.0]	100.0	100.0	85.0	0.93	8	[183.9;10.0]	100.0	100.0	85.0	0.93	9	[64.3;15.0]	0.0	0.0	85.0	0.93
10	[59.3;15.0]	0.0	0.0	85.0	0.93	11	[188.9;15.0]	0.0	0.0	85.0	0.93	12	[183.9;15.0]	0.0	0.0	85.0	0.93
13	[64.3;20.0]	0.0	0.0	85.0	0.93	14	[59.3;20.0]	0.0	0.0	85.0	0.93	15	[188.9;20.0]	0.0	0.0	85.0	0.93
16	[183.9;20.0]	0.0	0.0	85.0	0.93	17	[59.3;25.0]	0.0	0.0	85.0	0.93	18	[188.9;25.0]	0.0	0.0	85.0	0.93
19	[59.3;25.0]	0.0	0.0	85.0	0.93	20	[188.9;25.0]	0.0	0.0	85.0	0.93						

DISPOSIZIONE DELLE ARMATURE LENTE - (cm, mm)

n.	coord ad X=0,X=L/2,X=L			Diam	Xa	Xb	LgAd	n.	coord ad X=0,X=L/2,X=L			Diam	Xa	Xb	LgAd
1	[62.0;4.0]	[62.0;4.0]	[62.0;4.0]	12	0.0	1820.0	48.0	2	[187.0;4.0]	[187.0;4.0]	[187.0;4.0]	12	0.0	1820.0	48.0
3	[62.0;66.0]	[62.0;66.0]	[62.0;66.0]	12	0.0	1820.0	50.0	4	[187.0;66.0]	[187.0;66.0]	[187.0;66.0]	12	0.0	1820.0	50.0





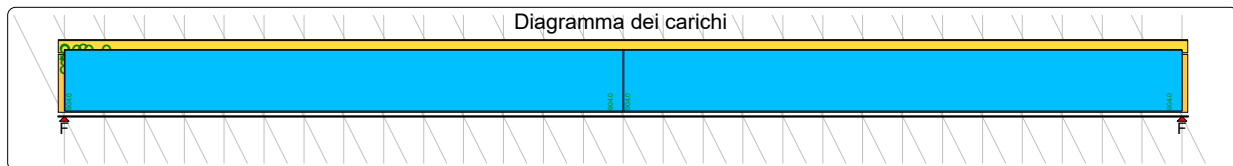
Situazione di carico

CARICHI VERT. UNIFORMEMENTE DISTRIBUITI (kg/m)	Ecc (cm)	Aliq. App.	Slu	SluSV	SleQP	SleFR	SleRA
Peso proprio solaio	0x250.0=	0.0	0.0	0.00	1.30	1.00	1.00
Peso proprio caldana	0x250.0=	0.0	0.0	0.00	1.30	1.00	1.00
Permanenti di 2° fase	350x250.0=	875.0	0.0	0.00	1.50	1.00	1.00
Variabili di 3° fase	80x250.0=	200.0	0.0	0.00	1.50	0.00	0.20
Incremento per sisma verticale	9.6	0.0	0.00	0.00	1.00	0.00	0.00
Totale carichi appesi	0.0						

CARICHI VERTICALI DISTRIBUITI (kg/m, cm)

Qa	Qb	Xa	Xb	Ecc	Fase	Aliq. App.	Incr. sismici	Slu	SluSV	SleQP	SleFR	SleRA
904.0	904.0	10.0	910.0	0.0	0	0.00	9.9	9.9	1.30	1.00	1.00	1.00
904.0	904.0	910.0	1810.0	0.0	0	0.00	9.9	9.9	1.30	1.00	1.00	1.00

Fase: 0=taglio trefoli, 1=1° fase (sez isolata), 2=2° fase perm (sez mista), 3=3° fase variab (sez mista)

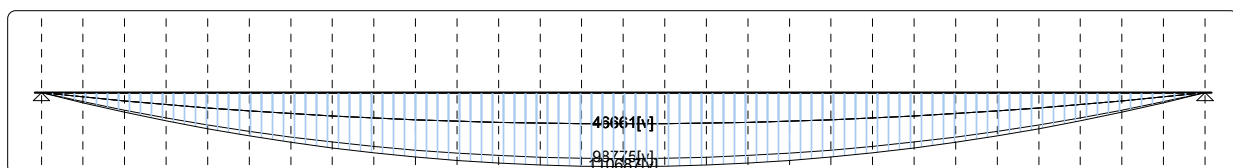


Volume complessivo della trave (mc) 6.452
Peso totale della trave (kg) 16452
Posizione baricentro trave (cm) 910.0

Caratteristiche di sollecitazione

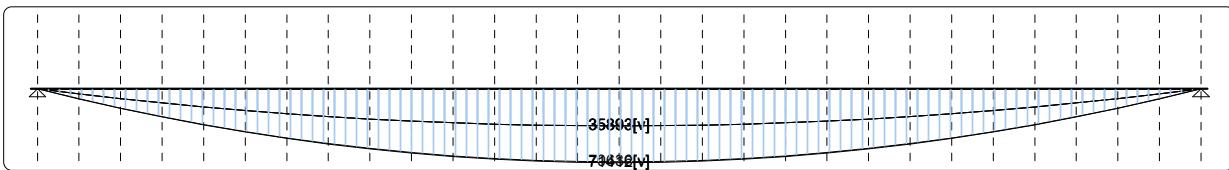
MOMENTI FLETTENTI S.L.U. (cm, kgm)

X	Mpp0[v]	Mpp1[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT3[v]	Mpp0[o]	Mpp1[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT3[o]
10.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
74.3	6428	6428	0	6428	7179	13607	1641	15248	0	0	0	0	0	0	0	0
138.6	12379	12379	0	12379	13826	26206	3160	29366	0	0	0	0	0	0	0	0
202.9	17855	17855	0	17855	19942	37797	4558	42355	0	0	0	0	0	0	0	0
267.1	22854	22854	0	22854	25525	48380	5834	54214	0	0	0	0	0	0	0	0
331.4	27378	27378	0	27378	30577	57955	6989	64944	0	0	0	0	0	0	0	0
395.7	31425	31425	0	31425	35097	66522	8022	74544	0	0	0	0	0	0	0	0
460.0	34996	34996	0	34996	39085	74081	8934	83015	0	0	0	0	0	0	0	0
524.3	38091	38091	0	38091	42542	80633	9724	90357	0	0	0	0	0	0	0	0
588.6	40709	40709	0	40709	45467	86176	10392	96569	0	0	0	0	0	0	0	0
652.9	42852	42852	0	42852	47860	90712	10939	101651	0	0	0	0	0	0	0	0
717.1	44518	44518	0	44518	49721	94239	11365	105604	0	0	0	0	0	0	0	0
781.4	45709	45709	0	45709	51050	96759	11669	108428	0	0	0	0	0	0	0	0
845.7	46423	46423	0	46423	51848	98271	11851	110122	0	0	0	0	0	0	0	0
910.0	46661	46661	0	46661	52114	98775	11912	110687	0	0	0	0	0	0	0	0
974.3	46423	46423	0	46423	51848	98271	11851	110122	0	0	0	0	0	0	0	0
1038.6	45709	45709	0	45709	51050	96759	11669	108428	0	0	0	0	0	0	0	0
1102.9	44518	44518	0	44518	49721	94239	11365	105604	0	0	0	0	0	0	0	0
1167.1	42852	42852	0	42852	47860	90712	10939	101651	0	0	0	0	0	0	0	0
1231.4	40709	40709	0	40709	45467	86176	10392	96569	0	0	0	0	0	0	0	0
1295.7	38091	38091	0	38091	42542	80633	9724	90357	0	0	0	0	0	0	0	0
1360.0	34996	34996	0	34996	39085	74081	8934	83015	0	0	0	0	0	0	0	0
1424.3	31425	31425	0	31425	35097	66522	8022	74544	0	0	0	0	0	0	0	0
1488.6	27378	27378	0	27378	30577	57955	6989	64944	0	0	0	0	0	0	0	0
1552.9	22854	22854	0	22854	25525	48380	5834	54214	0	0	0	0	0	0	0	0
1617.1	17855	17855	0	17855	19942	37797	4558	42355	0	0	0	0	0	0	0	0
1681.4	12379	12379	0	12379	13826	26206	3160	29366	0	0	0	0	0	0	0	0
1745.7	6428	6428	0	6428	7179	13607	1641	15248	0	0	0	0	0	0	0	0
1810.0	0	0	0	0	0	0	-0	0	0	0	0	0	0	0	0	0



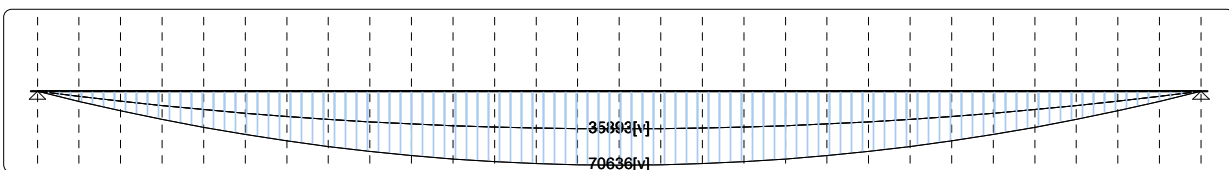
MOMENTI FLETTENTI S.L.U. con SISMA verticale (cm, kgm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
74.3	4944	4944	0	4944	4786	9730	107	9837	0	0	0	0	0	0	0	0
138.6	9523	9523	0	9523	9217	18740	206	18946	0	0	0	0	0	0	0	0
202.9	13735	13735	0	13735	13294	27029	297	27326	0	0	0	0	0	0	0	0
267.1	17580	17580	0	17580	17017	34597	380	34978	0	0	0	0	0	0	0	0
331.4	21060	21060	0	21060	20385	41444	456	41900	0	0	0	0	0	0	0	0
395.7	24173	24173	0	24173	23398	47571	523	48094	0	0	0	0	0	0	0	0
460.0	26920	26920	0	26920	26057	52977	583	53559	0	0	0	0	0	0	0	0
524.3	29301	29301	0	29301	28361	57662	634	58296	0	0	0	0	0	0	0	0
588.6	31315	31315	0	31315	30311	61626	678	62304	0	0	0	0	0	0	0	0
652.9	32963	32963	0	32963	31907	64870	713	65583	0	0	0	0	0	0	0	0
717.1	34245	34245	0	34245	33147	67392	741	68133	0	0	0	0	0	0	0	0
781.4	35161	35161	0	35161	34034	69194	761	69955	0	0	0	0	0	0	0	0
845.7	35710	35710	0	35710	34565	70275	773	71048	0	0	0	0	0	0	0	0
910.0	35893	35893	0	35893	34743	70636	777	71412	0	0	0	0	0	0	0	0
974.3	35710	35710	0	35710	34565	70275	773	71048	0	0	0	0	0	0	0	0
1038.6	35161	35161	0	35161	34034	69194	761	69955	0	0	0	0	0	0	0	0
1102.9	34245	34245	0	34245	33147	67392	741	68133	0	0	0	0	0	0	0	0
1167.1	32963	32963	0	32963	31907	64870	713	65583	0	0	0	0	0	0	0	0
1231.4	31315	31315	0	31315	30311	61626	678	62304	0	0	0	0	0	0	0	0
1295.7	29301	29301	0	29301	28361	57662	634	58296	0	0	0	0	0	0	0	0
1360.0	26920	26920	0	26920	26057	52977	583	53559	0	0	0	0	0	0	0	0
1424.3	24173	24173	0	24173	23398	47571	523	48094	0	0	0	0	0	0	0	0
1488.6	21060	21060	0	21060	20385	41444	456	41900	0	0	0	0	0	0	0	0
1552.9	17580	17580	0	17580	17017	34597	380	34978	0	0	0	0	0	0	0	0
1617.1	13735	13735	0	13735	13294	27029	297	27326	0	0	0	0	0	0	0	0
1681.4	9523	9523	0	9523	9217	18740	206	18946	0	0	0	0	0	0	0	0
1745.7	4944	4944	0	4944	4786	9730	107	9837	0	0	0	0	0	0	0	0
1810.0	-0	-0	0	-0	-0	-0	-0	-0	0	0	0	0	0	0	0	0



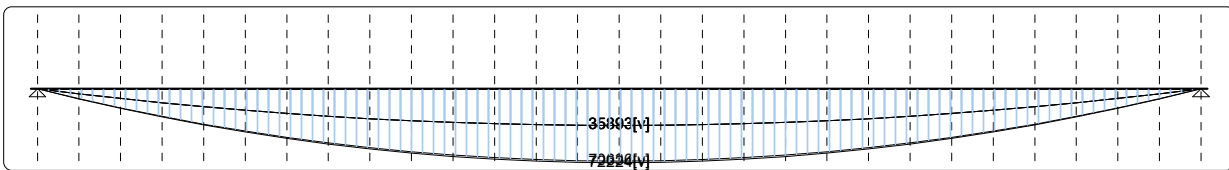
MOMENTI FLETTENTI S.L.E. Quasi permanente (cm, kgm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
74.3	4944	4944	0	4944	4786	9730	0	9730	0	0	0	0	0	0	0	0
138.6	9523	9523	0	9523	9217	18740	0	18740	0	0	0	0	0	0	0	0
202.9	13735	13735	0	13735	13294	27029	0	27029	0	0	0	0	0	0	0	0
267.1	17580	17580	0	17580	17017	34597	0	34597	0	0	0	0	0	0	0	0
331.4	21060	21060	0	21060	20385	41444	0	41444	0	0	0	0	0	0	0	0
395.7	24173	24173	0	24173	23398	47571	0	47571	0	0	0	0	0	0	0	0
460.0	26920	26920	0	26920	26057	52977	0	52977	0	0	0	0	0	0	0	0
524.3	29301	29301	0	29301	28361	57662	0	57662	0	0	0	0	0	0	0	0
588.6	31315	31315	0	31315	30311	61626	0	61626	0	0	0	0	0	0	0	0
652.9	32963	32963	0	32963	31907	64870	0	64870	0	0	0	0	0	0	0	0
717.1	34245	34245	0	34245	33147	67392	0	67392	0	0	0	0	0	0	0	0
781.4	35161	35161	0	35161	34034	69194	0	69194	0	0	0	0	0	0	0	0
845.7	35710	35710	0	35710	34565	70275	0	70275	0	0	0	0	0	0	0	0
910.0	35893	35893	0	35893	34743	70636	0	70636	0	0	0	0	0	0	0	0
974.3	35710	35710	0	35710	34565	70275	0	70275	0	0	0	0	0	0	0	0
1038.6	35161	35161	0	35161	34034	69194	0	69194	0	0	0	0	0	0	0	0
1102.9	34245	34245	0	34245	33147	67392	0	67392	0	0	0	0	0	0	0	0
1167.1	32963	32963	0	32963	31907	64870	0	64870	0	0	0	0	0	0	0	0
1231.4	31315	31315	0	31315	30311	61626	0	61626	0	0	0	0	0	0	0	0
1295.7	29301	29301	0	29301	28361	57662	0	57662	0	0	0	0	0	0	0	0
1360.0	26920	26920	0	26920	26057	52977	0	52977	0	0	0	0	0	0	0	0
1424.3	24173	24173	0	24173	23398	47571	0	47571	0	0	0	0	0	0	0	0
1488.6	21060	21060	0	21060	20385	41444	0	41444	0	0	0	0	0	0	0	0
1552.9	17580	17580	0	17580	17017	34597	0	34597	0	0	0	0	0	0	0	0
1617.1	13735	13735	0	13735	13294	27029	0	27029	0	0	0	0	0	0	0	0
1681.4	9523	9523	0	9523	9217	18740	0	18740	0	0	0	0	0	0	0	0
1745.7	4944	4944	0	4944	4786	9730	0	9730	0	0	0	0	0	0	0	0
1810.0	-0	-0	0	-0	-0	-0	0	-0	0	0	0	0	0	0	0	0



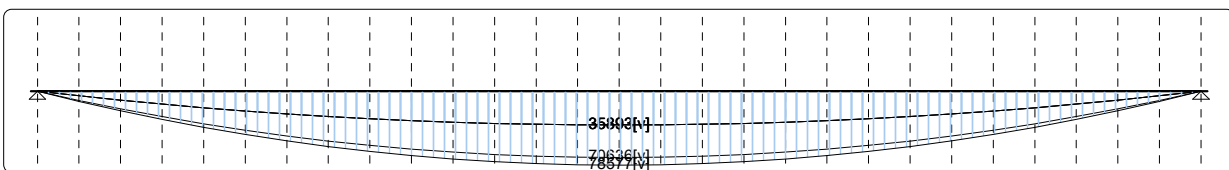
MOMENTI FLETTENTI S.L.E. Frequente (cm, kgm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
74.3	4944	4944	0	4944	4786	9730	219	9949	0	0	0	0	0	0	0	0
138.6	9523	9523	0	9523	9217	18740	421	19161	0	0	0	0	0	0	0	0
202.9	13735	13735	0	13735	13294	27029	608	27637	0	0	0	0	0	0	0	0
267.1	17580	17580	0	17580	17017	34597	778	35375	0	0	0	0	0	0	0	0
331.4	21060	21060	0	21060	20385	41444	932	42376	0	0	0	0	0	0	0	0
395.7	24173	24173	0	24173	23398	47571	1070	48641	0	0	0	0	0	0	0	0
460.0	26920	26920	0	26920	26057	52977	1191	54168	0	0	0	0	0	0	0	0
524.3	29301	29301	0	29301	28361	57662	1297	58958	0	0	0	0	0	0	0	0
588.6	31315	31315	0	31315	30311	61626	1386	63012	0	0	0	0	0	0	0	0
652.9	32963	32963	0	32963	31907	64870	1459	66328	0	0	0	0	0	0	0	0
717.1	34245	34245	0	34245	33147	67392	1515	68908	0	0	0	0	0	0	0	0
781.4	35161	35161	0	35161	34034	69194	1556	70750	0	0	0	0	0	0	0	0
845.7	35710	35710	0	35710	34565	70275	1580	71856	0	0	0	0	0	0	0	0
910.0	35893	35893	0	35893	34743	70636	1588	72224	0	0	0	0	0	0	0	0
974.3	35710	35710	0	35710	34565	70275	1580	71856	0	0	0	0	0	0	0	0
1038.6	35161	35161	0	35161	34034	69194	1556	70750	0	0	0	0	0	0	0	0
1102.9	34245	34245	0	34245	33147	67392	1515	68908	0	0	0	0	0	0	0	0
1167.1	32963	32963	0	32963	31907	64870	1459	66328	0	0	0	0	0	0	0	0
1231.4	31315	31315	0	31315	30311	61626	1386	63012	0	0	0	0	0	0	0	0
1295.7	29301	29301	0	29301	28361	57662	1297	58958	0	0	0	0	0	0	0	0
1360.0	26920	26920	0	26920	26057	52977	1191	54168	0	0	0	0	0	0	0	0
1424.3	24173	24173	0	24173	23398	47571	1070	48641	0	0	0	0	0	0	0	0
1488.6	21060	21060	0	21060	20385	41444	932	42376	0	0	0	0	0	0	0	0
1552.9	17580	17580	0	17580	17017	34597	778	35375	0	0	0	0	0	0	0	0
1617.1	13735	13735	0	13735	13294	27029	608	27637	0	0	0	0	0	0	0	0
1681.4	9523	9523	0	9523	9217	18740	421	19161	0	0	0	0	0	0	0	0
1745.7	4944	4944	0	4944	4786	9730	219	9949	0	0	0	0	0	0	0	0
1810.0	-0	-0	0	-0	-0	-0	-0	-0	0	0	0	0	0	0	0	0



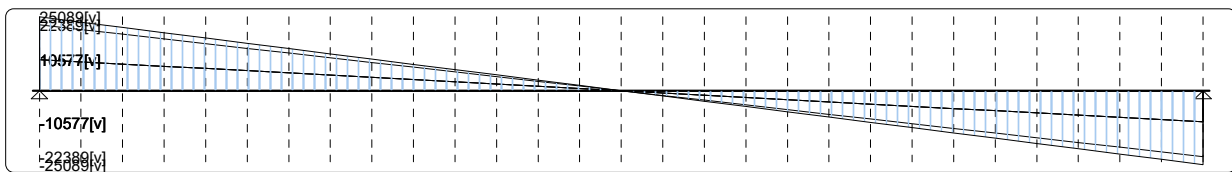
MOMENTI FLETTENTI S.L.E. Rara (cm, kgm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0	0	0	0	0	0	0	0	-0	-0	0	-0	0	-0	0	-0
74.3	4944	4944	0	4944	4786	9730	1094	10824	0	0	0	0	0	0	0	0
138.6	9523	9523	0	9523	9217	18740	2107	20847	0	0	0	0	0	0	0	0
202.9	13735	13735	0	13735	13294	27029	3039	30068	0	0	0	0	0	0	0	0
267.1	17580	17580	0	17580	17017	34597	3890	38487	0	0	0	0	0	0	0	0
331.4	21060	21060	0	21060	20385	41444	4659	46104	0	0	0	0	0	0	0	0
395.7	24173	24173	0	24173	23398	47571	5348	52919	0	0	0	0	0	0	0	0
460.0	26920	26920	0	26920	26057	52977	5956	58933	0	0	0	0	0	0	0	0
524.3	29301	29301	0	29301	28361	57662	6483	64144	0	0	0	0	0	0	0	0
588.6	31315	31315	0	31315	30311	61626	6928	68554	0	0	0	0	0	0	0	0
652.9	32963	32963	0	32963	31907	64870	7293	72163	0	0	0	0	0	0	0	0
717.1	34245	34245	0	34245	33147	67392	7577	74969	0	0	0	0	0	0	0	0
781.4	35161	35161	0	35161	34034	69194	7779	76973	0	0	0	0	0	0	0	0
845.7	35710	35710	0	35710	34565	70275	7901	78176	0	0	0	0	0	0	0	0
910.0	35893	35893	0	35893	34743	70636	7941	78577	0	0	0	0	0	0	0	0
974.3	35710	35710	0	35710	34565	70275	7901	78176	0	0	0	0	0	0	0	0
1038.6	35161	35161	0	35161	34034	69194	7779	76973	0	0	0	0	0	0	0	0
1102.9	34245	34245	0	34245	33147	67392	7577	74969	0	0	0	0	0	0	0	0
1167.1	32963	32963	0	32963	31907	64870	7293	72163	0	0	0	0	0	0	0	0
1231.4	31315	31315	0	31315	30311	61626	6928	68554	0	0	0	0	0	0	0	0
1295.7	29301	29301	0	29301	28361	57662	6483	64144	0	0	0	0	0	0	0	0
1360.0	26920	26920	0	26920	26057	52977	5956	58933	0	0	0	0	0	0	0	0
1424.3	24173	24173	0	24173	23398	47571	5348	52919	0	0	0	0	0	0	0	0
1488.6	21060	21060	0	21060	20385	41444	4659	46104	0	0	0	0	0	0	0	0
1552.9	17580	17580	0	17580	17017	34597	3890	38487	0	0	0	0	0	0	0	0
1617.1	13735	13735	0	13735	13294	27029	3039	30068	0	0	0	0	0	0	0	0
1681.4	9523	9523	0	9523	9217	18740	2107	20847	0	0	0	0	0	0	0	0
1745.7	4944	4944	0	4944	4786	9730	1094	10824	0	0	0	0	0	0	0	0
1810.0	-0	-0	0	-0	-0	-0	0	0	0	0	0	0	0	0	0	0



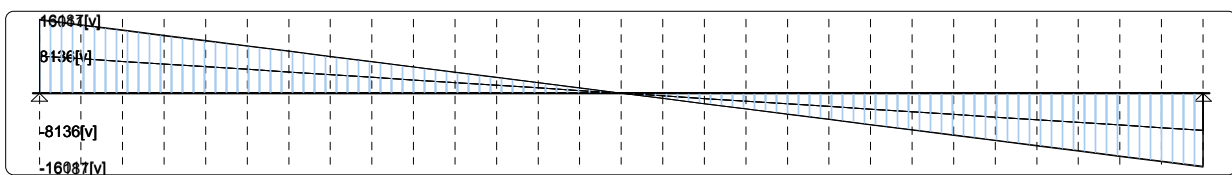
SFORZI DI TAGLIO S.L.U. (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	10577	10577	0	10577	11813	22389	2700	25089	0	0	0	0	0	0	0	0
74.3	9821	9821	0	9821	10969	20790	2507	23297	0	0	0	0	0	0	0	0
138.6	9066	9066	0	9066	10125	19191	2314	21505	0	0	0	0	0	0	0	0
202.9	8310	8310	0	8310	9281	17591	2121	19713	0	0	0	0	0	0	0	0
267.1	7555	7555	0	7555	8438	15992	1929	17921	0	0	0	0	0	0	0	0
331.4	6799	6799	0	6799	7594	14393	1736	16129	0	0	0	0	0	0	0	0
395.7	6044	6044	0	6044	6750	12794	1543	14337	0	0	0	0	0	0	0	0
460.0	5288	5288	0	5288	5906	11195	1350	12545	0	0	0	0	0	0	0	0
524.3	4533	4533	0	4533	5062	9595	1157	10752	0	0	0	0	0	0	0	0
588.6	3777	3777	0	3777	4219	7996	964	8960	0	0	0	0	0	0	0	0
652.9	3022	3022	0	3022	3375	6397	771	7168	0	0	0	0	0	0	0	0
717.1	2266	2266	0	2266	2531	4798	579	5376	0	0	0	0	0	0	0	0
781.4	1511	1511	0	1511	1687	3198	386	3584	0	0	0	0	0	0	0	0
845.7	755	755	0	755	844	1599	193	1792	0	0	0	0	0	0	0	0
910.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
974.3	-755	-755	0	-755	-844	-1599	-193	-1792	0	0	0	0	0	0	0	0
1038.6	-1511	-1511	0	-1511	-1687	-3198	-386	-3584	0	0	0	0	0	0	0	0
1102.9	-2266	-2266	0	-2266	-2531	-4798	-579	-5376	0	0	0	0	0	0	0	0
1167.1	-3022	-3022	0	-3022	-3375	-6397	-771	-7168	0	0	0	0	0	0	0	0
1231.4	-3777	-3777	0	-3777	-4219	-7996	-964	-8960	0	0	0	0	0	0	0	0
1295.7	-4533	-4533	0	-4533	-5062	-9595	-1157	-10752	0	0	0	0	0	0	0	0
1360.0	-5288	-5288	0	-5288	-5906	-11195	-1350	-12545	0	0	0	0	0	0	0	0
1424.3	-6044	-6044	0	-6044	-6750	-12794	-1543	-14337	0	0	0	0	0	0	0	0
1488.6	-6799	-6799	0	-6799	-7594	-14393	-1736	-16129	0	0	0	0	0	0	0	0
1552.9	-7555	-7555	0	-7555	-8438	-15992	-1929	-17921	0	0	0	0	0	0	0	0
1617.1	-8310	-8310	0	-8310	-9281	-17591	-2121	-19713	0	0	0	0	0	0	0	0
1681.4	-9066	-9066	0	-9066	-10125	-19191	-2314	-21505	0	0	0	0	0	0	0	0
1745.7	-9821	-9821	0	-9821	-10969	-20790	-2507	-23297	0	0	0	0	0	0	0	0
1810.0	-10577	-10577	0	-10577	-11812	-22389	-2700	-25089	0	0	0	0	0	0	0	0



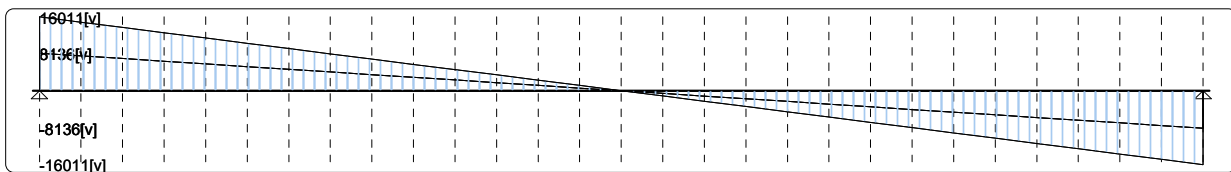
SFORZI DI TAGLIO S.L.U. con SISMA verticale (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	8136	8136	0	8136	7875	16011	176	16187	0	0	0	0	0	0	0	0
74.3	7555	7555	0	7555	7312	14867	163	15031	0	0	0	0	0	0	0	0
138.6	6974	6974	0	6974	6750	13724	151	13874	0	0	0	0	0	0	0	0
202.9	6392	6392	0	6392	6187	12580	138	12718	0	0	0	0	0	0	0	0
267.1	5811	5811	0	5811	5625	11436	126	11562	0	0	0	0	0	0	0	0
331.4	5230	5230	0	5230	5062	10293	113	10406	0	0	0	0	0	0	0	0
395.7	4649	4649	0	4649	4500	9149	101	9250	0	0	0	0	0	0	0	0
460.0	4068	4068	0	4068	3937	8005	88	8093	0	0	0	0	0	0	0	0
524.3	3487	3487	0	3487	3375	6862	75	6937	0	0	0	0	0	0	0	0
588.6	2906	2906	0	2906	2813	5718	63	5781	0	0	0	0	0	0	0	0
652.9	2325	2325	0	2325	2250	4575	50	4625	0	0	0	0	0	0	0	0
717.1	1743	1743	0	1743	1687	3431	38	3469	0	0	0	0	0	0	0	0
781.4	1162	1162	0	1162	1125	2287	25	2312	0	0	0	0	0	0	0	0
845.7	581	581	0	581	562	1144	13	1156	0	0	0	0	0	0	0	0
910.0	-0	-0	0	-0	-0	-0	-0	-0	0	0	0	0	0	0	0	0
974.3	-581	-581	0	-581	-562	-1144	-13	-1156	0	0	0	0	0	0	0	0
1038.6	-1162	-1162	0	-1162	-1125	-2287	-25	-2312	0	0	0	0	0	0	0	0
1102.9	-1743	-1743	0	-1743	-1688	-3431	-38	-3469	0	0	0	0	0	0	0	0
1167.1	-2325	-2325	0	-2325	-2250	-4575	-50	-4625	0	0	0	0	0	0	0	0
1231.4	-2906	-2906	0	-2906	-2813	-5718	-63	-5781	0	0	0	0	0	0	0	0
1295.7	-3487	-3487	0	-3487	-3375	-6862	-75	-6937	0	0	0	0	0	0	0	0
1360.0	-4068	-4068	0	-4068	-3937	-8005	-88	-8093	0	0	0	0	0	0	0	0
1424.3	-4649	-4649	0	-4649	-4500	-9149	-101	-9250	0	0	0	0	0	0	0	0
1488.6	-5230	-5230	0	-5230	-5062	-10293	-113	-10406	0	0	0	0	0	0	0	0
1552.9	-5811	-5811	0	-5811	-5625	-11436	-126	-11562	0	0	0	0	0	0	0	0
1617.1	-6392	-6392	0	-6392	-6187	-12580	-138	-12718	0	0	0	0	0	0	0	0
1681.4	-6974	-6974	0	-6974	-6750	-13724	-151	-13874	0	0	0	0	0	0	0	0
1745.7	-7555	-7555	0	-7555	-7312	-14867	-163	-15031	0	0	0	0	0	0	0	0
1810.0	-8136	-8136	0	-8136	-7875	-16011	-176	-16187	0	0	0	0	0	0	0	0



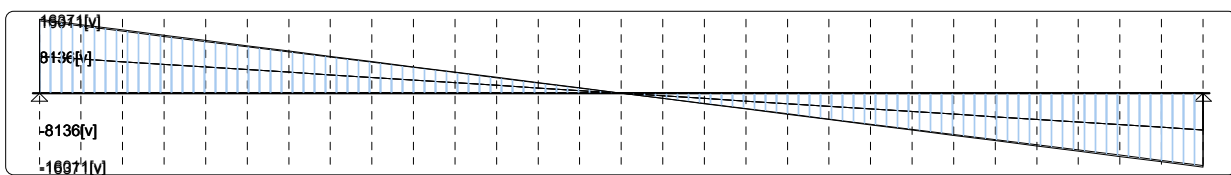
SFORZI DI TAGLIO S.L.E. Quasi permanente (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	8136	8136	0	8136	7875	16011	0	16011	0	0	0	0	0	0	0	0
74.3	7555	7555	0	7555	7312	14867	0	14867	0	0	0	0	0	0	0	0
138.6	6974	6974	0	6974	6750	13724	0	13724	0	0	0	0	0	0	0	0
202.9	6392	6392	0	6392	6187	12580	0	12580	0	0	0	0	0	0	0	0
267.1	5811	5811	0	5811	5625	11436	0	11436	0	0	0	0	0	0	0	0
331.4	5230	5230	0	5230	5062	10293	0	10293	0	0	0	0	0	0	0	0
395.7	4649	4649	0	4649	4500	9149	0	9149	0	0	0	0	0	0	0	0
460.0	4068	4068	0	4068	3937	8005	0	8005	0	0	0	0	0	0	0	0
524.3	3487	3487	0	3487	3375	6862	0	6862	0	0	0	0	0	0	0	0
588.6	2906	2906	0	2906	2813	5718	0	5718	0	0	0	0	0	0	0	0
652.9	2325	2325	0	2325	2250	4575	0	4575	0	0	0	0	0	0	0	0
717.1	1743	1743	0	1743	1687	3431	0	3431	0	0	0	0	0	0	0	0
781.4	1162	1162	0	1162	1125	2287	0	2287	0	0	0	0	0	0	0	0
845.7	581	581	0	581	562	1144	0	1144	0	0	0	0	0	0	0	0
910.0	-0	-0	0	-0	-0	-0	0	-0	0	0	0	0	0	0	0	0
974.3	-581	-581	0	-581	-562	-1144	0	-1144	0	0	0	0	0	0	0	0
1038.6	-1162	-1162	0	-1162	-1125	-2287	0	-2287	0	0	0	0	0	0	0	0
1102.9	-1743	-1743	0	-1743	-1688	-3431	0	-3431	0	0	0	0	0	0	0	0
1167.1	-2325	-2325	0	-2325	-2250	-4575	0	-4575	0	0	0	0	0	0	0	0
1231.4	-2906	-2906	0	-2906	-2813	-5718	0	-5718	0	0	0	0	0	0	0	0
1295.7	-3487	-3487	0	-3487	-3375	-6862	0	-6862	0	0	0	0	0	0	0	0
1360.0	-4068	-4068	0	-4068	-3937	-8005	0	-8005	0	0	0	0	0	0	0	0
1424.3	-4649	-4649	0	-4649	-4500	-9149	0	-9149	0	0	0	0	0	0	0	0
1488.6	-5230	-5230	0	-5230	-5062	-10293	0	-10293	0	0	0	0	0	0	0	0
1552.9	-5811	-5811	0	-5811	-5625	-11436	0	-11436	0	0	0	0	0	0	0	0
1617.1	-6392	-6392	0	-6392	-6187	-12580	0	-12580	0	0	0	0	0	0	0	0
1681.4	-6974	-6974	0	-6974	-6750	-13724	0	-13724	0	0	0	0	0	0	0	0
1745.7	-7555	-7555	0	-7555	-7312	-14867	0	-14867	0	0	0	0	0	0	0	0
1810.0	-8136	-8136	0	-8136	-7875	-16011	0	-16011	0	0	0	0	0	0	0	0



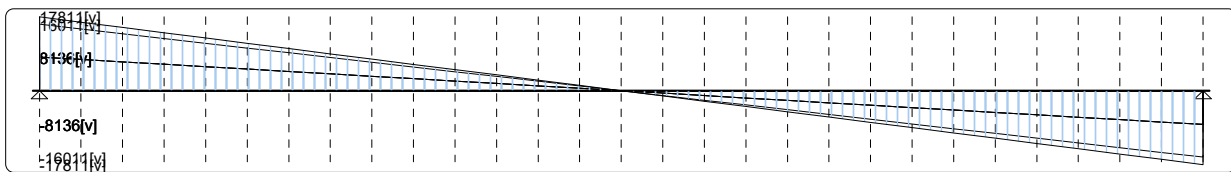
SFORZI DI TAGLIO S.L.E. Frequente (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	8136	8136	0	8136	7875	16011	360	16371	0	0	0	0	0	0	0	0
74.3	7555	7555	0	7555	7312	14867	334	15201	0	0	0	0	0	0	0	0
138.6	6974	6974	0	6974	6750	13724	309	14032	0	0	0	0	0	0	0	0
202.9	6392	6392	0	6392	6187	12580	283	12863	0	0	0	0	0	0	0	0
267.1	5811	5811	0	5811	5625	11436	257	11693	0	0	0	0	0	0	0	0
331.4	5230	5230	0	5230	5062	10293	231	10524	0	0	0	0	0	0	0	0
395.7	4649	4649	0	4649	4500	9149	206	9355	0	0	0	0	0	0	0	0
460.0	4068	4068	0	4068	3937	8005	180	8185	0	0	0	0	0	0	0	0
524.3	3487	3487	0	3487	3375	6862	154	7016	0	0	0	0	0	0	0	0
588.6	2906	2906	0	2906	2813	5718	129	5847	0	0	0	0	0	0	0	0
652.9	2325	2325	0	2325	2250	4575	103	4677	0	0	0	0	0	0	0	0
717.1	1743	1743	0	1743	1687	3431	77	3508	0	0	0	0	0	0	0	0
781.4	1162	1162	0	1162	1125	2287	51	2339	0	0	0	0	0	0	0	0
845.7	581	581	0	581	562	1144	26	1169	0	0	0	0	0	0	0	0
910.0	-0	-0	0	-0	-0	-0	-0	-0	0	0	0	0	0	0	0	0
974.3	-581	-581	0	-581	-562	-1144	-26	-1169	0	0	0	0	0	0	0	0
1038.6	-1162	-1162	0	-1162	-1125	-2287	-51	-2339	0	0	0	0	0	0	0	0
1102.9	-1743	-1743	0	-1743	-1688	-3431	-77	-3508	0	0	0	0	0	0	0	0
1167.1	-2325	-2325	0	-2325	-2250	-4575	-103	-4677	0	0	0	0	0	0	0	0
1231.4	-2906	-2906	0	-2906	-2813	-5718	-129	-5847	0	0	0	0	0	0	0	0
1295.7	-3487	-3487	0	-3487	-3375	-6862	-154	-7016	0	0	0	0	0	0	0	0
1360.0	-4068	-4068	0	-4068	-3937	-8005	-180	-8185	0	0	0	0	0	0	0	0
1424.3	-4649	-4649	0	-4649	-4500	-9149	-206	-9355	0	0	0	0	0	0	0	0
1488.6	-5230	-5230	0	-5230	-5062	-10293	-231	-10524	0	0	0	0	0	0	0	0
1552.9	-5811	-5811	0	-5811	-5625	-11436	-257	-11693	0	0	0	0	0	0	0	0
1617.1	-6392	-6392	0	-6392	-6187	-12580	-283	-12863	0	0	0	0	0	0	0	0
1681.4	-6974	-6974	0	-6974	-6750	-13724	-309	-14032	0	0	0	0	0	0	0	0
1745.7	-7555	-7555	0	-7555	-7312	-14867	-334	-15201	0	0	0	0	0	0	0	0
1810.0	-8136	-8136	0	-8136	-7875	-16011	-360	-16371	0	0	0	0	0	0	0	0



SFORZI DI TAGLIO S.L.E. Rara (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	8136	8136	0	8136	7875	16011	1800	17811	0	0	0	0	0	0	0	0
74.3	7555	7555	0	7555	7312	14867	1671	16539	0	0	0	0	0	0	0	0
138.6	6974	6974	0	6974	6750	13724	1543	15266	0	0	0	0	0	0	0	0
202.9	6392	6392	0	6392	6187	12580	1414	13994	0	0	0	0	0	0	0	0
267.1	5811	5811	0	5811	5625	11436	1286	12722	0	0	0	0	0	0	0	0
331.4	5230	5230	0	5230	5062	10293	1157	11450	0	0	0	0	0	0	0	0
395.7	4649	4649	0	4649	4500	9149	1029	10178	0	0	0	0	0	0	0	0
460.0	4068	4068	0	4068	3937	8005	900	8905	0	0	0	0	0	0	0	0
524.3	3487	3487	0	3487	3375	6862	771	7633	0	0	0	0	0	0	0	0
588.6	2906	2906	0	2906	2813	5718	643	6361	0	0	0	0	0	0	0	0
652.9	2325	2325	0	2325	2250	4575	514	5089	0	0	0	0	0	0	0	0
717.1	1743	1743	0	1743	1687	3431	386	3817	0	0	0	0	0	0	0	0
781.4	1162	1162	0	1162	1125	2287	257	2544	0	0	0	0	0	0	0	0
845.7	581	581	0	581	562	1144	129	1272	0	0	0	0	0	0	0	0
910.0	-0	-0	0	-0	-0	-0	0	0	0	0	0	0	0	0	0	0
974.3	-581	-581	0	-581	-562	-1144	-129	-1272	0	0	0	0	0	0	0	0
1038.6	-1162	-1162	0	-1162	-1125	-2287	-257	-2544	0	0	0	0	0	0	0	0
1102.9	-1743	-1743	0	-1743	-1688	-3431	-386	-3817	0	0	0	0	0	0	0	0
1167.1	-2325	-2325	0	-2325	-2250	-4575	-514	-5089	0	0	0	0	0	0	0	0
1231.4	-2906	-2906	0	-2906	-2813	-5718	-643	-6361	0	0	0	0	0	0	0	0
1295.7	-3487	-3487	0	-3487	-3375	-6862	-771	-7633	0	0	0	0	0	0	0	0
1360.0	-4068	-4068	0	-4068	-3937	-8005	-900	-8905	0	0	0	0	0	0	0	0
1424.3	-4649	-4649	0	-4649	-4500	-9149	-1029	-10178	0	0	0	0	0	0	0	0
1488.6	-5230	-5230	0	-5230	-5062	-10293	-1157	-11450	0	0	0	0	0	0	0	0
1552.9	-5811	-5811	0	-5811	-5625	-11436	-1286	-12722	0	0	0	0	0	0	0	0
1617.1	-6392	-6392	0	-6392	-6187	-12580	-1414	-13994	0	0	0	0	0	0	0	0
1681.4	-6974	-6974	0	-6974	-6750	-13724	-1543	-15266	0	0	0	0	0	0	0	0
1745.7	-7555	-7555	0	-7555	-7312	-14867	-1671	-16539	0	0	0	0	0	0	0	0
1810.0	-8136	-8136	0	-8136	-7875	-16011	-1800	-17811	0	0	0	0	0	0	0	0



REAZIONI VINCOLARI VERTICALI, ORIZZONTALI E TORCENTI (cm, kg, kgm)

X	R0[v]	Rf1[v]	RT1[v]	Rf2[v]	RT2[v]	Rf3[v]	RT[v]	R0[o]	Rf1[o]	RT1[o]	Rf2[o]	RT2[o]	Rf3[o]	RT[o]	
10.0	10694	0	10694	11944	22638	2730	25368	0	0	0	0	0	0	0	Slu
	8226	0	8226	7963	16189	177	16366	0	0	0	0	0	0	0	SluSV
	8226	0	8226	7963	16189	0	16189	0	0	0	0	0	0	0	SluQP
	8226	0	8226	7963	16189	364	16553	0	0	0	0	0	0	0	SluFR
	8226	0	8226	7963	16189	1820	18009	0	0	0	0	0	0	0	SluRA
1810.0	10694	0	10694	11944	22638	2730	25368	0	0	0	0	0	0	0	Slu
	8226	0	8226	7962	16189	177	16366	0	0	0	0	0	0	0	SluSV
	8226	0	8226	7962	16189	0	16189	0	0	0	0	0	0	0	SluQP
	8226	0	8226	7962	16189	364	16553	0	0	0	0	0	0	0	SluFR
	8226	0	8226	7962	16189	1820	18009	0	0	0	0	0	0	0	SluRA

Caratteristiche sezioni omogeneizzate

SEZIONE IDEALE ISOLATA (cm, cm, cm², cm⁴, cm³)

X	Ht	Area	Ix	Iy	Ixy	Xg	Yg	FattTgi
10.0	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
74.3	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
138.6	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
202.9	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
267.1	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
331.4	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
395.7	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
460.0	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
524.3	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
588.6	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
652.9	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
717.1	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
781.4	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
845.7	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
910.0	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
974.3	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1038.6	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1102.9	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1167.1	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1231.4	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1295.7	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1360.0	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1424.3	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1488.6	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1552.9	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1617.1	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1681.4	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1745.7	70.0	3568	1728668	15580333	-0	124.50	46.80	1669
1810.0	70.0	3568	1728668	15580333	-0	124.50	46.80	1669

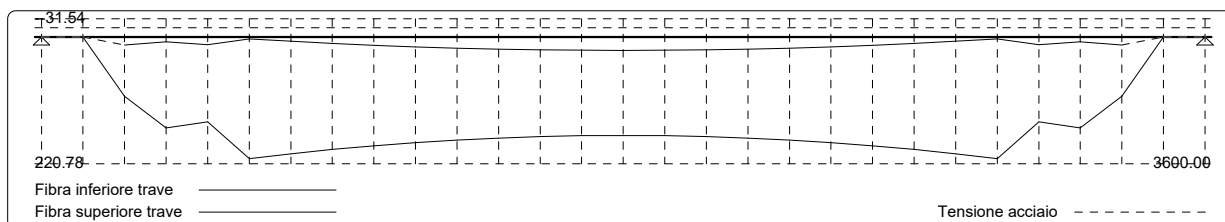
Baricentro cavo risultante x=124.12, y=19.00 cm (sezione di mezzzeria)

Perdite di tensione e tensioni iniziali**PERDITE DI TENSIONE (cm, daN/cm²)**

X	Rit	Elast	Visc	Rilass	TOTALE	6 c.p.e.	6 s.p.e.
10.0							
74.3							
138.6	600.00	346.80	797.63	366.32	2110.75	12139.25	12486.04
202.9	600.00	551.35	1268.11	222.61	2642.08	11607.92	12159.27
267.1	600.00	524.22	1205.71	230.48	2560.42	11689.58	12213.80
331.4	600.00	777.78	1788.90	16.72	3183.41	11066.59	11844.37
395.7	600.00	752.66	1731.11	26.80	3110.56	11139.44	11892.10
460.0	600.00	730.48	1680.11	35.68	3046.28	11203.72	11934.20
524.3	600.00	711.27	1635.92	43.38	2990.57	11259.43	11970.70
588.6	600.00	695.01	1598.52	49.90	2943.43	11306.57	12001.58
652.9	600.00	681.71	1567.93	55.23	2904.87	11345.13	12026.84
717.1	600.00	671.36	1544.13	59.38	2874.87	11375.13	12046.49
781.4	600.00	663.97	1527.13	62.34	2853.44	11396.56	12060.53
845.7	600.00	659.54	1516.93	64.12	2840.59	11409.41	12068.95
910.0	600.00	658.06	1513.53	64.71	2836.30	11413.70	12071.76
974.3	600.00	659.54	1516.93	64.12	2840.59	11409.41	12068.95
1038.6	600.00	663.97	1527.13	62.34	2853.44	11396.56	12060.53
1102.9	600.00	671.36	1544.13	59.38	2874.87	11375.13	12046.49
1167.1	600.00	681.71	1567.93	55.23	2904.87	11345.13	12026.84
1231.4	600.00	695.01	1598.52	49.90	2943.43	11306.57	12001.58
1295.7	600.00	711.27	1635.92	43.38	2990.57	11259.43	11970.70
1360.0	600.00	730.48	1680.11	35.68	3046.28	11203.72	11934.20
1424.3	600.00	752.66	1731.11	26.80	3110.56	11139.44	11892.10
1488.6	600.00	777.78	1788.90	16.72	3183.41	11066.59	11844.37
1552.9	600.00	524.22	1205.71	230.48	2560.42	11689.58	12213.80
1617.1	600.00	551.35	1268.11	222.61	2642.08	11607.92	12159.27
1681.4	600.00	346.80	797.63	366.32	2110.75	12139.25	12486.04
1745.7							
1810.0							

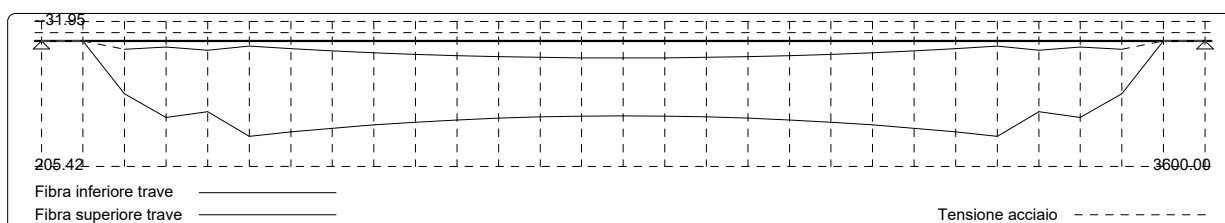
TENSIONI INIZIALI AL TAGLIO DEI TREFOLI (cm, kg, kgm, daN/cm²)

X	N0prec	Mx0prec	My0prec	6sup	6inf	6't	6'c	
10.0								
74.3								
138.6	158881	-31364	-584	13.88	103.06	-0.38	44.04	c.a.p.
202.9	211841	-50472	-779	8.29	158.03	-0.24	58.46	c.a.p.
267.1	211841	-50472	-779	13.45	147.61	-0.20	58.41	c.a.p.
331.4	264802	-72176	-974	3.39	211.60	-0.13	72.90	c.a.p.
395.7	264802	-72176	-974	7.57	203.17	-0.10	72.87	c.a.p.
460.0	264802	-72176	-974	11.26	195.73	-0.08	72.85	c.a.p.
524.3	264802	-72176	-974	14.45	189.29	-0.06	72.83	c.a.p.
588.6	264802	-72176	-974	17.16	183.83	-0.04	72.81	c.a.p.
652.9	264802	-72176	-974	19.37	179.37	-0.03	72.79	c.a.p.
717.1	264802	-72176	-974	21.09	175.90	-0.01	72.78	c.a.p.
781.4	264802	-72176	-974	22.32	173.42	-0.01	72.77	c.a.p.
845.7	264802	-72176	-974	23.05	171.93	-0.00	72.77	c.a.p.
910.0	264802	-72176	-974	23.30	171.44	0.00	72.77	c.a.p.
974.3	264802	-72176	-974	23.05	171.93	-0.00	72.77	c.a.p.
1038.6	264802	-72176	-974	22.32	173.42	-0.01	72.77	c.a.p.
1102.9	264802	-72176	-974	21.09	175.90	-0.01	72.78	c.a.p.
1167.1	264802	-72176	-974	19.37	179.37	-0.03	72.79	c.a.p.
1231.4	264802	-72176	-974	17.16	183.83	-0.04	72.81	c.a.p.
1295.7	264802	-72176	-974	14.45	189.29	-0.06	72.83	c.a.p.
1360.0	264802	-72176	-974	11.26	195.73	-0.08	72.85	c.a.p.
1424.3	264802	-72176	-974	7.57	203.17	-0.10	72.87	c.a.p.
1488.6	264802	-72176	-974	3.39	211.60	-0.13	72.90	c.a.p.
1552.9	211841	-50472	-779	13.45	147.61	-0.20	58.41	c.a.p.
1617.1	211841	-50472	-779	8.29	158.03	-0.24	58.46	c.a.p.
1681.4	158881	-31364	-584	13.88	103.06	-0.38	44.04	c.a.p.
1745.7								
1810.0								

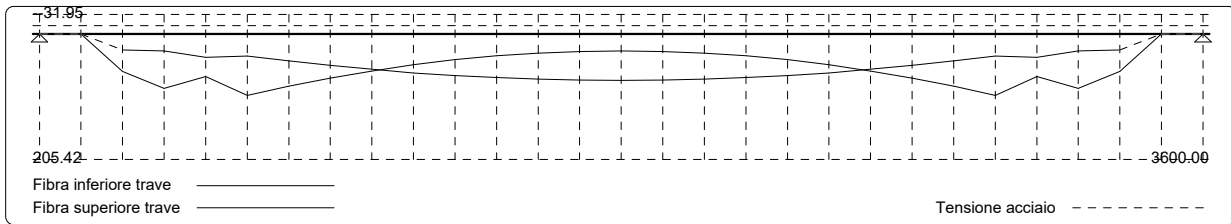


Tensioni di esercizio**TENSIONI DI FASE 0 (montaggio) S.L.E. Quasi permanente - Rara (SEZ ISOLATA) (cm, kg, kgm, daN/cm²)**

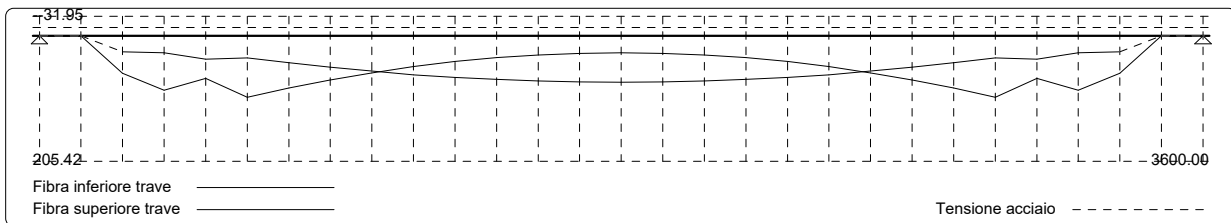
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
10.0									
74.3									
138.6	138183	-27278	-508	13.74	86.27		-0.44	38.41	c.a.p.
202.9	176180	-41975	-648	10.00	125.16		-0.29	48.70	c.a.p.
267.1	177420	-42271	-652	15.10	115.90		-0.24	48.99	c.a.p.
331.4	209955	-57227	-772	8.54	155.96		-0.16	57.86	c.a.p.
395.7	211337	-57603	-777	12.59	148.93		-0.13	58.20	c.a.p.
460.0	212557	-57936	-782	16.16	142.73		-0.10	58.51	c.a.p.
524.3	213614	-58224	-785	19.26	137.36		-0.07	58.77	c.a.p.
588.6	214508	-58468	-789	21.88	132.81		-0.05	59.00	c.a.p.
652.9	215240	-58667	-791	24.02	129.10		-0.03	59.18	c.a.p.
717.1	215809	-58822	-793	25.69	126.20		-0.02	59.32	c.a.p.
781.4	216215	-58933	-795	26.88	124.14		-0.01	59.42	c.a.p.
845.7	216459	-59000	-796	27.59	122.90		-0.00	59.49	c.a.p.
910.0	216541	-59022	-796	27.83	122.48		0.00	59.51	c.a.p.
974.3	216459	-59000	-796	27.59	122.90		-0.00	59.49	c.a.p.
1038.6	216215	-58933	-795	26.88	124.14		-0.01	59.42	c.a.p.
1102.9	215809	-58822	-793	25.69	126.20		-0.02	59.32	c.a.p.
1167.1	215240	-58667	-791	24.02	129.10		-0.03	59.18	c.a.p.
1231.4	214508	-58468	-789	21.88	132.81		-0.05	59.00	c.a.p.
1295.7	213614	-58224	-785	19.26	137.36		-0.07	58.77	c.a.p.
1360.0	212557	-57936	-782	16.16	142.73		-0.10	58.51	c.a.p.
1424.3	211337	-57603	-777	12.59	148.93		-0.13	58.20	c.a.p.
1488.6	209955	-57227	-772	8.54	155.96		-0.16	57.86	c.a.p.
1552.9	177420	-42271	-652	15.10	115.90		-0.24	48.99	c.a.p.
1617.1	176180	-41975	-648	10.00	125.16		-0.29	48.70	c.a.p.
1681.4	138183	-27278	-508	13.74	86.27		-0.44	38.41	c.a.p.
1745.7									
1810.0									

**TENSIONI DI 2° FASE (permanententi) S.L.E. Quasi permanente - Rara (SEZ MISTA) (cm, kg, kgm, daN/cm²)**

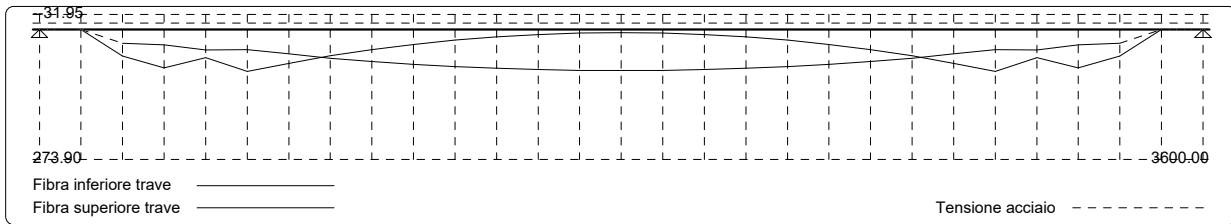
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
10.0									
74.3									
138.6	138183	-27278	-508	26.11	61.32		-1.64	39.61	c.a.p.
202.9	176180	-41975	-648	27.84	89.17		-1.10	49.52	c.a.p.
267.1	177420	-42271	-652	37.94	69.82		-0.91	49.66	c.a.p.
331.4	209955	-57227	-772	35.90	100.77		-0.63	58.32	c.a.p.
395.7	211337	-57603	-777	43.99	85.59		-0.49	58.57	c.a.p.
460.0	212557	-57936	-782	51.13	72.19		-0.38	58.79	c.a.p.
524.3	213614	-58224	-785	57.32	60.58		-0.28	58.98	c.a.p.
588.6	214508	-58468	-789	63.82	50.04		-0.19	59.14	c.a.p.
652.9	215240	-58667	-791	68.10	42.00		-0.12	59.27	c.a.p.
717.1	215809	-58822	-793	71.44	35.75		-0.07	59.37	c.a.p.
781.4	216215	-58933	-795	73.82	31.28		-0.03	59.45	c.a.p.
845.7	216459	-59000	-796	75.25	28.60		-0.01	59.49	c.a.p.
910.0	216541	-59022	-796	75.73	27.70		0.00	59.51	c.a.p.
974.3	216459	-59000	-796	75.25	28.60		-0.01	59.49	c.a.p.
1038.6	216215	-58933	-795	73.82	31.28		-0.03	59.45	c.a.p.
1102.9	215809	-58822	-793	71.44	35.75		-0.07	59.37	c.a.p.
1167.1	215240	-58667	-791	68.10	42.00		-0.12	59.27	c.a.p.
1231.4	214508	-58468	-789	63.82	50.04		-0.19	59.14	c.a.p.
1295.7	213614	-58224	-785	57.32	60.58		-0.28	58.98	c.a.p.
1360.0	212557	-57936	-782	51.13	72.19		-0.38	58.79	c.a.p.
1424.3	211337	-57603	-777	43.99	85.59		-0.49	58.57	c.a.p.
1488.6	209955	-57227	-772	35.90	100.77		-0.63	58.32	c.a.p.
1552.9	177420	-42271	-652	37.94	69.82		-0.91	49.66	c.a.p.
1617.1	176180	-41975	-648	27.84	89.17		-1.10	49.52	c.a.p.
1681.4	138183	-27278	-508	26.11	61.32		-1.64	39.61	c.a.p.
1745.7									
1810.0									


TENSIONI DI 3° FASE S.L.E. Quasi permanente (SEZ MISTA) (cm, kg, kgm, daN/cm²)

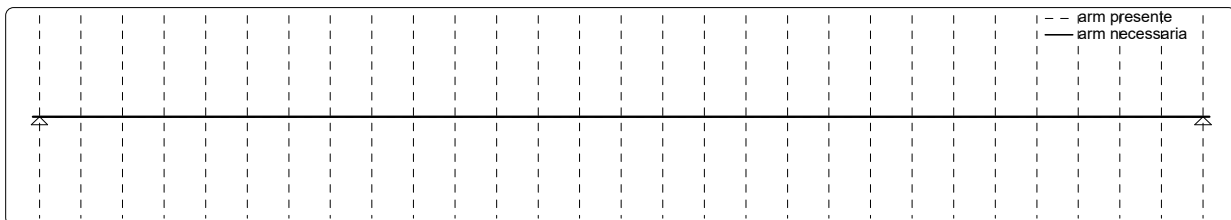
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6'trf	
10.0										
74.3										
138.6	138183	-27278	-508	26.11	61.32		-1.64	39.61	12149.98	c.a.p.
202.9	176180	-41975	-648	27.84	89.17		-1.10	49.52	11626.61	c.a.p.
267.1	177420	-42271	-652	37.94	69.82		-0.91	49.66	11713.50	c.a.p.
331.4	209955	-57227	-772	35.90	100.77		-0.63	58.32	11099.37	c.a.p.
395.7	211337	-57603	-777	43.99	85.59		-0.49	58.57	11177.07	c.a.p.
460.0	212557	-57936	-782	51.13	72.19		-0.38	58.79	11245.63	c.a.p.
524.3	213614	-58224	-785	57.32	60.58		-0.28	58.98	11305.04	c.a.p.
588.6	214508	-58468	-789	63.82	50.04		-0.19	59.14	11355.31	c.a.p.
652.9	215240	-58667	-791	68.10	42.00		-0.12	59.27	11396.45	c.a.p.
717.1	215809	-58822	-793	71.44	35.75		-0.07	59.37	11428.44	c.a.p.
781.4	216215	-58933	-795	73.82	31.28		-0.03	59.45	11451.29	c.a.p.
845.7	216459	-59000	-796	75.25	28.60		-0.01	59.49	11465.00	c.a.p.
910.0	216541	-59022	-796	75.73	27.70		0.00	59.51	11469.57	c.a.p.
974.3	216459	-59000	-796	75.25	28.60		-0.01	59.49	11465.00	c.a.p.
1038.6	216215	-58933	-795	73.82	31.28		-0.03	59.45	11451.29	c.a.p.
1102.9	215809	-58822	-793	71.44	35.75		-0.07	59.37	11428.44	c.a.p.
1167.1	215240	-58667	-791	68.10	42.00		-0.12	59.27	11396.45	c.a.p.
1231.4	214508	-58468	-789	63.82	50.04		-0.19	59.14	11355.31	c.a.p.
1295.7	213614	-58224	-785	57.32	60.58		-0.28	58.98	11305.04	c.a.p.
1360.0	212557	-57936	-782	51.13	72.19		-0.38	58.79	11245.63	c.a.p.
1424.3	211337	-57603	-777	43.99	85.59		-0.49	58.57	11177.07	c.a.p.
1488.6	209955	-57227	-772	35.90	100.77		-0.63	58.32	11099.37	c.a.p.
1552.9	177420	-42271	-652	37.94	69.82		-0.91	49.66	11713.50	c.a.p.
1617.1	176180	-41975	-648	27.84	89.17		-1.10	49.52	11626.61	c.a.p.
1681.4	138183	-27278	-508	26.11	61.32		-1.64	39.61	12149.98	c.a.p.
1745.7										
1810.0										


TENSIONI DI 3° FASE S.L.E. Rara (SEZ MISTA) (cm, kg, kgm, daN/cm²)

X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6'trf	
10.0										
74.3										
138.6	138183	-27278	-508	28.94	55.61		-2.01	39.98	12152.44	c.a.p.
202.9	176180	-41975	-648	31.92	80.94		-1.36	49.77	11630.88	c.a.p.
267.1	177420	-42271	-652	43.16	59.29		-1.12	49.87	11718.97	c.a.p.
331.4	209955	-57227	-772	42.15	88.16		-0.77	58.47	11106.87	c.a.p.
395.7	211337	-57603	-777	51.17	71.11		-0.61	58.68	11185.67	c.a.p.
460.0	212557	-57936	-782	60.37	55.36		-0.46	58.88	11255.20	c.a.p.
524.3	213614	-58224	-785	67.27	42.32		-0.34	59.04	11315.47	c.a.p.
588.6	214508	-58468	-789	73.11	31.28		-0.24	59.18	11366.46	c.a.p.
652.9	215240	-58667	-791	77.89	22.26		-0.15	59.30	11408.18	c.a.p.
717.1	215809	-58822	-793	81.61	15.23		-0.08	59.39	11440.62	c.a.p.
781.4	216215	-58933	-795	84.26	10.22		-0.04	59.45	11463.80	c.a.p.
845.7	216459	-59000	-796	85.85	7.21		-0.01	59.49	11477.71	c.a.p.
910.0	216541	-59022	-796	86.38	6.20		0.00	59.51	11482.34	c.a.p.
974.3	216459	-59000	-796	85.85	7.21		-0.01	59.49	11477.71	c.a.p.
1038.6	216215	-58933	-795	84.26	10.22		-0.04	59.45	11463.80	c.a.p.
1102.9	215809	-58822	-793	81.61	15.23		-0.08	59.39	11440.62	c.a.p.
1167.1	215240	-58667	-791	77.89	22.26		-0.15	59.30	11408.18	c.a.p.
1231.4	214508	-58468	-789	73.11	31.28		-0.24	59.18	11366.46	c.a.p.
1295.7	213614	-58224	-785	67.27	42.32		-0.34	59.04	11315.47	c.a.p.
1360.0	212557	-57936	-782	60.37	55.36		-0.46	58.88	11255.20	c.a.p.
1424.3	211337	-57603	-777	51.17	71.11		-0.61	58.68	11185.67	c.a.p.
1488.6	209955	-57227	-772	42.15	88.16		-0.77	58.47	11106.87	c.a.p.
1552.9	177420	-42271	-652	43.16	59.29		-1.12	49.87	11718.97	c.a.p.
1617.1	176180	-41975	-648	31.92	80.94		-1.36	49.77	11630.88	c.a.p.
1681.4	138183	-27278	-508	28.94	55.61		-2.01	39.98	12152.44	c.a.p.
1745.7										
1810.0										

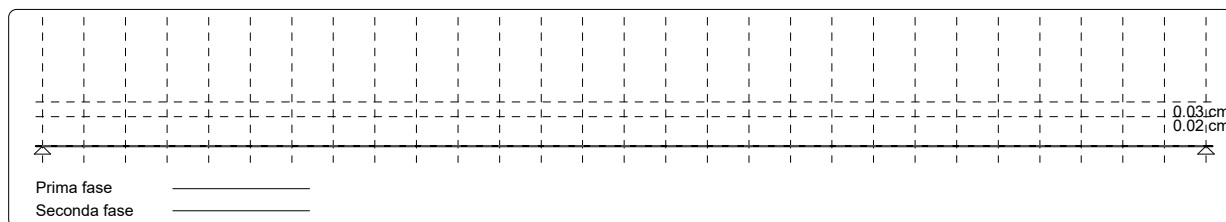


Armatura lenta ausiliaria												
ARM SUP (FASE 0)				ARM INF (FASE 3)				ARM SUP (FASE 3)				
X	6sup	Traz	Afn	Afp	6inf	Traz	Afn	Afp	6sup	Traz	Afn	Afp
10.0	0.00	*****	*****		0.00	*****	*****		*****	c.a.p.p.	*****	
74.3	0.00	*****	*****		0.00	*****	*****		*****	c.a.p.p.	*****	
138.6	13.88	*****	*****		55.61	*****	*****		28.94	*****	*****	
202.9	8.29	*****	*****		80.94	*****	*****		31.92	*****	*****	
267.1	13.45	*****	*****		59.29	*****	*****		43.16	*****	*****	
331.4	3.39	*****	*****		88.16	*****	*****		42.15	*****	*****	
395.7	7.57	*****	*****		71.11	*****	*****		51.17	*****	*****	
460.0	11.26	*****	*****		55.36	*****	*****		60.37	*****	*****	
524.3	14.45	*****	*****		42.32	*****	*****		67.27	*****	*****	
588.6	17.16	*****	*****		31.28	*****	*****		73.11	*****	*****	
652.9	19.37	*****	*****		22.26	*****	*****		77.89	*****	*****	
717.1	21.09	*****	*****		15.23	*****	*****		81.61	*****	*****	
781.4	22.32	*****	*****		10.22	*****	*****		84.26	*****	*****	
845.7	23.05	*****	*****		7.21	*****	*****		85.85	*****	*****	
910.0	23.30	*****	*****		6.20	*****	*****		86.38	*****	*****	
974.3	23.05	*****	*****		7.21	*****	*****		85.85	*****	*****	
1038.6	22.32	*****	*****		10.22	*****	*****		84.26	*****	*****	
1102.9	21.09	*****	*****		15.23	*****	*****		81.61	*****	*****	
1167.1	19.37	*****	*****		22.26	*****	*****		77.89	*****	*****	
1231.4	17.16	*****	*****		31.28	*****	*****		73.11	*****	*****	
1295.7	14.45	*****	*****		42.32	*****	*****		67.27	*****	*****	
1360.0	11.26	*****	*****		55.36	*****	*****		60.37	*****	*****	
1424.3	7.57	*****	*****		71.11	*****	*****		51.17	*****	*****	
1488.6	3.39	*****	*****		88.16	*****	*****		42.15	*****	*****	
1552.9	13.45	*****	*****		59.29	*****	*****		43.16	*****	*****	
1617.1	8.29	*****	*****		80.94	*****	*****		31.92	*****	*****	
1681.4	13.88	*****	*****		55.61	*****	*****		28.94	*****	*****	
1745.7	0.00	*****	*****		0.00	*****	*****		*****	c.a.p.p.	*****	
1810.0	0.00	*****	*****		0.00	*****	*****		*****	c.a.p.p.	*****	

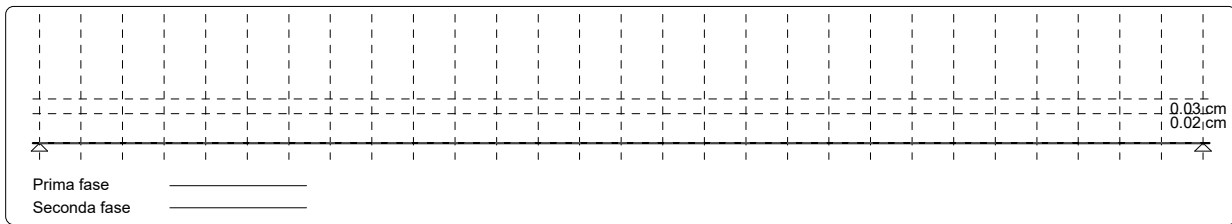


Verifiche a fessurazione**FESSURAZIONE S.L.E. Quasi permanente (cm, kgm)**

X	Mfess1 v	Mfess1 o	Eta1/Amp	Mfess2 v	Mfess2 o	Eta2/Amp
10.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
74.3	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
138.6	amp fess	no decomp		amp fess	no decomp	
202.9	amp fess	no decomp		amp fess	no decomp	
267.1	amp fess	no decomp		amp fess	no decomp	
331.4	amp fess	no decomp		amp fess	no decomp	
395.7	amp fess	no decomp		amp fess	no decomp	
460.0	amp fess	no decomp		amp fess	no decomp	
524.3	amp fess	no decomp		amp fess	no decomp	
588.6	amp fess	no decomp		amp fess	no decomp	
652.9	amp fess	no decomp		amp fess	no decomp	
717.1	amp fess	no decomp		amp fess	no decomp	
781.4	amp fess	no decomp		amp fess	no decomp	
845.7	amp fess	no decomp		amp fess	no decomp	
910.0	amp fess	no decomp		amp fess	no decomp	
974.3	amp fess	no decomp		amp fess	no decomp	
1038.6	amp fess	no decomp		amp fess	no decomp	
1102.9	amp fess	no decomp		amp fess	no decomp	
1167.1	amp fess	no decomp		amp fess	no decomp	
1231.4	amp fess	no decomp		amp fess	no decomp	
1295.7	amp fess	no decomp		amp fess	no decomp	
1360.0	amp fess	no decomp		amp fess	no decomp	
1424.3	amp fess	no decomp		amp fess	no decomp	
1488.6	amp fess	no decomp		amp fess	no decomp	
1552.9	amp fess	no decomp		amp fess	no decomp	
1617.1	amp fess	no decomp		amp fess	no decomp	
1681.4	amp fess	no decomp		amp fess	no decomp	
1745.7	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
1810.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000

**FESSURAZIONE S.L.E. Frequente (cm, kgm)**

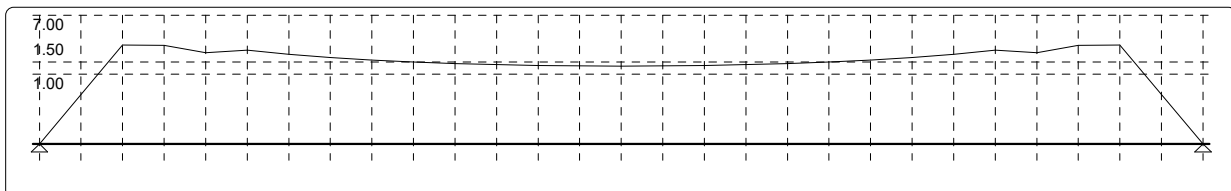
X	Mfess1 v	Mfess1 o	Eta1/Amp	Mfess2 v	Mfess2 o	Eta2/Amp
10.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
74.3	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
138.6	amp fess	no decomp		amp fess	no decomp	
202.9	amp fess	no decomp		amp fess	no decomp	
267.1	amp fess	no decomp		amp fess	no decomp	
331.4	amp fess	no decomp		amp fess	no decomp	
395.7	amp fess	no decomp		amp fess	no decomp	
460.0	amp fess	no decomp		amp fess	no decomp	
524.3	amp fess	no decomp		amp fess	no decomp	
588.6	amp fess	no decomp		amp fess	no decomp	
652.9	amp fess	no decomp		amp fess	no decomp	
717.1	amp fess	no decomp		amp fess	no decomp	
781.4	amp fess	no decomp		amp fess	no decomp	
845.7	amp fess	no decomp		amp fess	no decomp	
910.0	amp fess	no decomp		amp fess	no decomp	
974.3	amp fess	no decomp		amp fess	no decomp	
1038.6	amp fess	no decomp		amp fess	no decomp	
1102.9	amp fess	no decomp		amp fess	no decomp	
1167.1	amp fess	no decomp		amp fess	no decomp	
1231.4	amp fess	no decomp		amp fess	no decomp	
1295.7	amp fess	no decomp		amp fess	no decomp	
1360.0	amp fess	no decomp		amp fess	no decomp	
1424.3	amp fess	no decomp		amp fess	no decomp	
1488.6	amp fess	no decomp		amp fess	no decomp	
1552.9	amp fess	no decomp		amp fess	no decomp	
1617.1	amp fess	no decomp		amp fess	no decomp	
1681.4	amp fess	no decomp		amp fess	no decomp	
1745.7	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
1810.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000



Verifiche a rottura

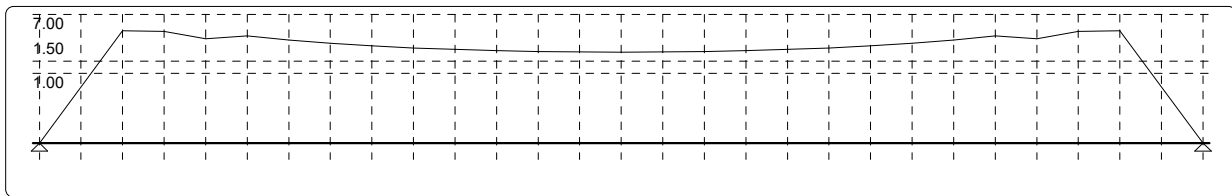
VERIFICHE DI 2° FASE (SEZIONE MISTA) (cm, kg, kgm)

X	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
10.0								
74.3								
138.6	0.0005	-0.0100	0.00	44.10	179030	77397	0	2.64
202.9	0.0007	-0.0100	0.00	47.61	235228	109799	0	2.59
267.1	0.0007	-0.0100	0.00	47.60	235301	109817	0	2.03
331.4	0.0008	-0.0100	0.00	54.33	271204	144454	0	2.22
395.7	0.0008	-0.0100	0.00	54.33	271233	144473	0	1.94
460.0	0.0008	-0.0100	0.00	54.33	271259	144491	0	1.74
524.3	0.0008	-0.0100	0.00	54.33	271282	144506	0	1.60
588.6	0.0008	-0.0100	0.00	54.33	271301	144519	0	1.50
652.9	0.0008	-0.0100	0.00	54.34	271315	144529	0	1.42
717.1	0.0008	-0.0100	0.00	54.34	271329	144537	0	1.37
781.4	0.0008	-0.0100	0.00	54.34	271337	144543	0	1.33
845.7	0.0008	-0.0100	0.00	54.34	271343	144547	0	1.31
910.0	0.0008	-0.0100	0.00	54.34	271344	144548	0	1.31
974.3	0.0008	-0.0100	0.00	54.34	271343	144547	0	1.31
1038.6	0.0008	-0.0100	0.00	54.34	271337	144543	0	1.33
1102.9	0.0008	-0.0100	0.00	54.34	271329	144537	0	1.37
1167.1	0.0008	-0.0100	0.00	54.34	271315	144529	0	1.42
1231.4	0.0008	-0.0100	0.00	54.33	271301	144519	0	1.50
1295.7	0.0008	-0.0100	0.00	54.33	271282	144506	0	1.60
1360.0	0.0008	-0.0100	0.00	54.33	271259	144491	0	1.74
1424.3	0.0008	-0.0100	0.00	54.33	271233	144473	0	1.94
1488.6	0.0008	-0.0100	0.00	54.33	271204	144454	0	2.22
1552.9	0.0007	-0.0100	0.00	47.60	235301	109817	0	2.03
1617.1	0.0007	-0.0100	0.00	47.61	235228	109799	0	2.59
1681.4	0.0005	-0.0100	0.00	44.10	179030	77397	0	2.64
1745.7								
1810.0								



VERIFICHE DI 2° FASE (SLU sisma verticale) (SEZIONE MISTA) (cm, kg, kgm)

X)	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
10.0								
74.3								
138.6	0.0005	-0.0100	0.00	44.21	178586	77410	0	4.09
202.9	0.0007	-0.0100	0.00	47.77	234546	109854	0	4.02
267.1	0.0007	-0.0100	0.00	47.75	234708	109864	0	3.14
331.4	0.0008	-0.0100	0.00	54.34	271387	144576	0	3.45
395.7	0.0008	-0.0100	0.00	54.34	271402	144586	0	3.01
460.0	0.0008	-0.0100	0.00	54.34	271416	144595	0	2.70
524.3	0.0008	-0.0100	0.00	54.33	271247	144482	0	2.48
588.6	0.0008	-0.0100	0.00	54.33	271263	144493	0	2.32
652.9	0.0008	-0.0100	0.00	54.33	271277	144503	0	2.20
717.1	0.0008	-0.0100	0.00	54.33	271287	144510	0	2.12
781.4	0.0008	-0.0100	0.00	54.33	271294	144515	0	2.07
845.7	0.0008	-0.0100	0.00	54.33	271299	144518	0	2.03
910.0	0.0008	-0.0100	0.00	54.33	271301	144519	0	2.02
974.3	0.0008	-0.0100	0.00	54.33	271299	144518	0	2.03
1038.6	0.0008	-0.0100	0.00	54.33	271294	144515	0	2.07
1102.9	0.0008	-0.0100	0.00	54.33	271287	144510	0	2.12
1167.1	0.0008	-0.0100	0.00	54.33	271277	144503	0	2.20
1231.4	0.0008	-0.0100	0.00	54.33	271263	144493	0	2.32
1295.7	0.0008	-0.0100	0.00	54.33	271247	144482	0	2.48
1360.0	0.0008	-0.0100	0.00	54.34	271416	144595	0	2.70
1424.3	0.0008	-0.0100	0.00	54.34	271402	144586	0	3.01
1488.6	0.0008	-0.0100	0.00	54.34	271387	144576	0	3.45
1552.9	0.0007	-0.0100	0.00	47.75	234708	109864	0	3.14
1617.1	0.0007	-0.0100	0.00	47.77	234546	109854	0	4.02
1681.4	0.0005	-0.0100	0.00	44.21	178586	77410	0	4.09
1745.7								
1810.0								

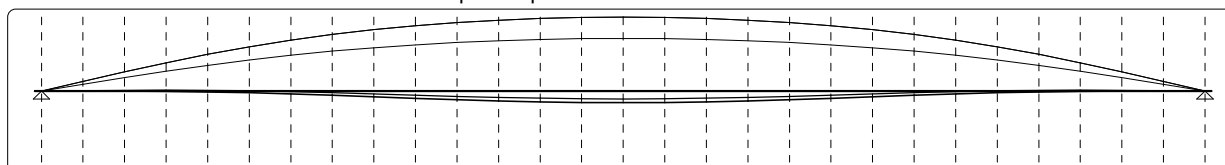


DEFORMAZIONE S.L.E. Frequente (cm)

X	w0	w0'	w1	w0'+1	w2	w0'+1+2	w3	wtot
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74.3	-0.348	-0.502	0.000	-0.502	0.488	-0.014	0.022	0.009
138.6	-0.696	-1.004	0.000	-1.004	0.968	-0.035	0.044	0.009
202.9	-1.030	-1.482	0.000	-1.482	1.435	-0.047	0.066	0.019
267.1	-1.340	-1.921	0.000	-1.921	1.882	-0.039	0.086	0.047
331.4	-1.623	-2.319	0.000	-2.319	2.303	-0.016	0.105	0.089
395.7	-1.872	-2.666	0.000	-2.666	2.694	0.027	0.123	0.151
460.0	-2.087	-2.963	0.000	-2.963	3.049	0.086	0.139	0.226
524.3	-2.269	-3.213	0.000	-3.213	3.365	0.153	0.154	0.306
588.6	-2.420	-3.418	0.000	-3.418	3.638	0.220	0.166	0.386
652.9	-2.542	-3.583	0.000	-3.583	3.866	0.283	0.177	0.460
717.1	-2.635	-3.709	0.000	-3.709	4.046	0.337	0.185	0.521
781.4	-2.701	-3.798	0.000	-3.798	4.175	0.377	0.191	0.568
845.7	-2.740	-3.851	0.000	-3.851	4.254	0.403	0.194	0.597
910.0	-2.753	-3.868	0.000	-3.868	4.280	0.412	0.196	0.607
974.3	-2.740	-3.851	0.000	-3.851	4.254	0.403	0.194	0.597
1038.6	-2.701	-3.798	0.000	-3.798	4.175	0.377	0.191	0.568
1102.9	-2.635	-3.709	0.000	-3.709	4.046	0.337	0.185	0.521
1167.1	-2.542	-3.583	0.000	-3.583	3.866	0.283	0.177	0.460
1231.4	-2.420	-3.418	0.000	-3.418	3.638	0.220	0.166	0.386
1295.7	-2.269	-3.213	0.000	-3.213	3.365	0.153	0.154	0.306
1360.0	-2.087	-2.963	0.000	-2.963	3.049	0.086	0.139	0.226
1424.3	-1.872	-2.666	0.000	-2.666	2.694	0.027	0.123	0.151
1488.6	-1.623	-2.319	0.000	-2.319	2.303	-0.016	0.105	0.089
1552.9	-1.340	-1.921	0.000	-1.921	1.882	-0.039	0.086	0.047
1617.1	-1.030	-1.482	0.000	-1.482	1.435	-0.047	0.066	0.019
1681.4	-0.696	-1.004	0.000	-1.004	0.968	-0.035	0.044	0.009
1745.7	-0.348	-0.502	0.000	-0.502	0.488	-0.014	0.022	0.009
1810.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Le deformazioni di fase 0', 1, 2 e 3 sono moltiplicate per il coefficiente di viscosità

Le deformazioni di fase 0 sono calcolate con la precompressione iniziale

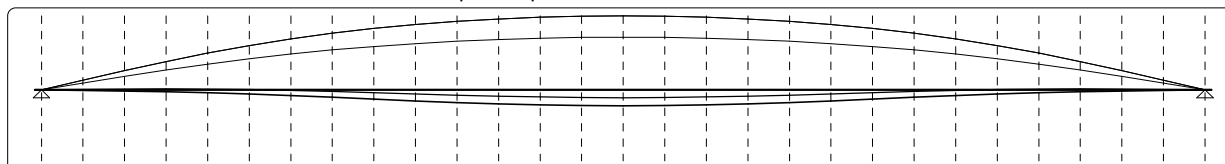


DEFORMAZIONE S.L.E. Rara (cm)

X	w0	w0'	w1	w0'+1	w2	w0'+1+2	w3	wtot
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
74.3	-0.348	-0.502	0.000	-0.502	0.488	-0.014	0.048	0.035
138.6	-0.696	-1.004	0.000	-1.004	0.968	-0.035	0.096	0.061
202.9	-1.030	-1.482	0.000	-1.482	1.435	-0.047	0.143	0.096
267.1	-1.340	-1.921	0.000	-1.921	1.882	-0.039	0.187	0.148
331.4	-1.623	-2.319	0.000	-2.319	2.303	-0.016	0.229	0.213
395.7	-1.872	-2.666	0.000	-2.666	2.694	0.027	0.268	0.295
460.0	-2.087	-2.963	0.000	-2.963	3.049	0.086	0.303	0.389
524.3	-2.269	-3.213	0.000	-3.213	3.365	0.153	0.334	0.487
588.6	-2.420	-3.418	0.000	-3.418	3.638	0.220	0.362	0.582
652.9	-2.542	-3.583	0.000	-3.583	3.866	0.283	0.384	0.667
717.1	-2.635	-3.709	0.000	-3.709	4.046	0.337	0.402	0.739
781.4	-2.701	-3.798	0.000	-3.798	4.175	0.377	0.415	0.792
845.7	-2.740	-3.851	0.000	-3.851	4.254	0.403	0.423	0.826
910.0	-2.753	-3.868	0.000	-3.868	4.280	0.412	0.425	0.837
974.3	-2.740	-3.851	0.000	-3.851	4.254	0.403	0.423	0.826
1038.6	-2.701	-3.798	0.000	-3.798	4.175	0.377	0.415	0.792
1102.9	-2.635	-3.709	0.000	-3.709	4.046	0.337	0.402	0.739
1167.1	-2.542	-3.583	0.000	-3.583	3.866	0.283	0.384	0.667
1231.4	-2.420	-3.418	0.000	-3.418	3.638	0.220	0.362	0.582
1295.7	-2.269	-3.213	0.000	-3.213	3.365	0.153	0.334	0.487
1360.0	-2.087	-2.963	0.000	-2.963	3.049	0.086	0.303	0.389
1424.3	-1.872	-2.666	0.000	-2.666	2.694	0.027	0.268	0.295
1488.6	-1.623	-2.319	0.000	-2.319	2.303	-0.016	0.229	0.213
1552.9	-1.340	-1.921	0.000	-1.921	1.882	-0.039	0.187	0.148
1617.1	-1.030	-1.482	0.000	-1.482	1.435	-0.047	0.143	0.096
1681.4	-0.696	-1.004	0.000	-1.004	0.968	-0.035	0.096	0.061
1745.7	-0.348	-0.502	0.000	-0.502	0.488	-0.014	0.048	0.035
1810.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Le deformazioni di fase 0', 1 e 2 sono moltiplicate per il coefficiente di viscosità

Le deformazioni di fase 0 sono calcolate con la precompressione iniziale



Verifiche a taglioAf testata= 7.54 cm² (come da normativa Af=Vmax/fywd)Area int 1° fase= 0 cm² - Spessore anulare 1° fase= 0.0 cm

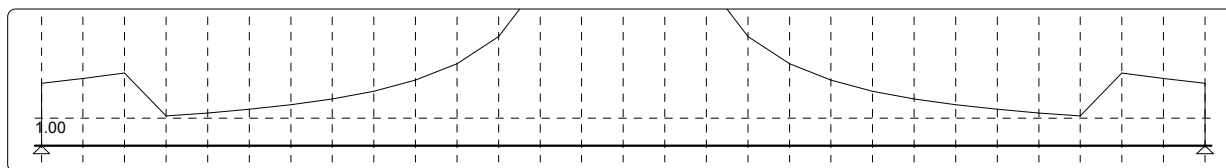
Carichi appesi= 0.0 kg/m

Area int 2° fase= 0 cm² - Spessore anulare 2° fase= 0.0 cm

cotg(teta)= 1.20

VERIFICA A TAGLIO AGLI STATI LIMITE ULTIMI (cm, cm², cm, kg, kgm, cm²)

X	Af	Dx	Vsdu	Tsdu	bmin	hsez	Af teor	Af long	μ	Vs/Vr+Ts/Tr	Vsdu1
10.0	2.01	10.0	25089	0	33.4	66.0	0.88	0.00	2.28		10267
74.3	2.01	10.0	23297	0	33.4	66.0	0.82	0.00	2.45		10267
138.6	2.01	10.0	21505	0	33.4	66.0					56232
202.9	1.13	15.0	19713	0	33.4	66.0					60986
267.1	1.13	15.0	17921	0	33.4	66.0					61135
331.4	1.13	15.0	16129	0	33.4	66.0					62282
395.7	1.13	15.0	14337	0	33.4	66.0					62282
460.0	1.13	15.0	12545	0	33.4	66.0					62282
524.3	1.13	15.0	10752	0	33.4	66.0					62282
588.6	1.13	15.0	8960	0	33.4	66.0					62282
652.9	1.13	15.0	7168	0	33.4	66.0					62282
717.1	1.13	15.0	5376	0	33.4	66.0					62282
781.4	1.13	15.0	3584	0	33.4	66.0					62282
845.7	1.13	15.0	1792	0	33.4	66.0					62282
910.0	1.13	15.0	0	0	33.4	66.0					62282
974.3	1.13	15.0	1792	0	33.4	66.0					62282
1038.6	1.13	15.0	3584	0	33.4	66.0					62282
1102.9	1.13	15.0	5376	0	33.4	66.0					62282
1167.1	1.13	15.0	7168	0	33.4	66.0					62282
1231.4	1.13	15.0	8960	0	33.4	66.0					62282
1295.7	1.13	15.0	10752	0	33.4	66.0					62282
1360.0	1.13	15.0	12545	0	33.4	66.0					62282
1424.3	1.13	15.0	14337	0	33.4	66.0					62282
1488.6	1.13	15.0	16129	0	33.4	66.0					62282
1552.9	1.13	15.0	17921	0	33.4	66.0					61135
1617.1	1.13	15.0	19713	0	33.4	66.0					60986
1681.4	2.01	10.0	21505	0	33.4	66.0					56232
1745.7	2.01	10.0	23297	0	33.4	66.0	0.82	0.00	2.45		10267
1810.0	2.01	10.0	25089	0	33.4	66.0	0.88	0.00	2.28		10267

**Verifiche alla movimentazione****VERIFICHE AL SOLLEVAMENTO (cm, kg, kgm, daN/cm²)**

Numero ganci	2						Incremento dinamico pesi	1.20
Distanza primo gancio da sinistra (cm)	120.0						Distanza ultimo gancio da destra (cm)	120.0
							Carico per gancio (kg)	9871
X	Nprec	Mprec	Mest	6sup/6f	6inf/6f	tipo		
1700.0	0	-0	-766	-578.64	6.89	c.a.v.	A perdite non esaurite	
1681.4	158881	-31364	776	2.15	126.74	c.a.p.	A perdite non esaurite	
1700.0	0	-0	-766	-578.64	6.89	c.a.v.	A perdite esaurite	
1681.4	142131	-28057	776	2.03	113.15	c.a.p.	A perdite esaurite	

VERIFICHE ALLO STOCCAGGIO (cm, kg, kgm, daN/cm²)

Distanza appoggio da sinistra (cm)	80.0						Distanza appoggio da destra (cm)	80.0
X	Nprec	Mprec	Mest	6sup/6f	6inf/6f	tipo		
80.0	0	-0	-217	-153.75	1.94	c.a.v.	A perdite non esaurite	
1681.4	158881	-31364	3939	6.39	118.17	c.a.p.	A perdite non esaurite	
80.0	0	-0	-217	-153.75	1.94	c.a.v.	A perdite esaurite	
1681.4	142131	-28057	3939	6.28	104.59	c.a.p.	A perdite esaurite	

VERIFICHE AL TRASPORTO (cm, kg, kgm, daN/cm²)

Distanza appoggio da sinistra (cm)	100.0						Distanza appoggio da destra (cm)	100.0
Incremento dinamico pesi	1.20							
X	Nprec	Mprec	Mest	6sup/6f	6inf/6f	tipo		
1720.0	0	-0	-431	-325.49	3.87	c.a.v.		
138.6	142131	-28057	2813	4.76	107.64	c.a.p.		

TRAVE REGGI TEGOLO FABBRICATO CABINE

Caratteristiche dei materiali					
CALCESTRUZZO			ACCIAIO ARMONICO		
Rck finale cls trave	(daN/cm ²)	550.0	Tiro iniziale	(daN/cm ²)	14250.0
Rck iniziale cls trave	(daN/cm ²)	400.0	Tens ammissib	(daN/cm ²)	13360.0
Rck cls caldana	(daN/cm ²)	300.0	Modulo elastico	(daN/cm ²)	2000000.0
Coefficiente di ritiro		0.00030	% Tens al taglio trefoli		99.0
Coefficiente di viscosità		2.30	% Rilass ad σ dei trefoli		4.6
Coeff omogeneiz trefoli		1	% Rilass ad σ min trefoli		4.6
Coeff omogeneiz soletta		0.86	Lungh aderenza trefoli	(cm)	70.0
% ritiro al taglio trefoli		25	Tens acciaio ordinario	(daN/cm ²)	3913.0
			Lungh aderenza acc	(cm)	50.0

Valori limite e coefficienti normativi					
Tensioni massime nel cls al taglio trefoli			Caratteristiche ambiente	Ordinario	
Massima compressione (daN/cm ²)	232.4		Amp max fessure SLE QP	(cm)	0.02
Tensioni agli SLE Quasi permanenti e Frequenti			Amp max fessure SLE FR	(cm)	0.03
Massima compressione (daN/cm ²)	205.4		Deformazioni limite a rottura		
Tensioni agli SLE Rara			Calcestruzzo		0.0035
Massima compressione (daN/cm ²)	273.9		Acciaio armonico		0.0100
			Acciaio ordinario		0.0100

Dati di input					
DATI GENERALI					
Lunghezza totale della trave	(cm)	1100.0			
Lunghezza teorica di calcolo della trave	(cm)	1080.0			
Lunghezza sbalzi alle estremità trave	sx (cm)	10.0	dx (cm)	10.0	
Numero tratti di suddivisione per il calcolo	sx	14	dx	14	
Incremento carichi per sisma verticale		SI			
1° periodo di vibrazione della trave	(sec)	0.23			
Coeff riduz carichi variab per sisma verticale		0.00			
Coeff di intensità sisma verticale	in luce	+/-0.017	su sbalzo	+/-0.017	
Metodo di calcolo		Stati limite			
Criterio di calcolo		Precompressione totale			

CARATTERISTICHE GEOMETRICHE DELLA SEZIONE (nn=n. vertice; coordinate [x;y] nelle sezioni X=0, X=L/2, X=L)

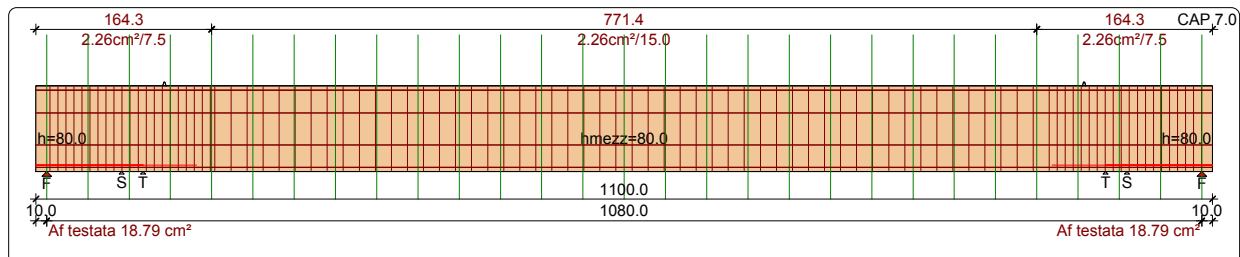
Contorno 1 - Pieno									
1	[0.0;0.0]	[0.0;0.0]	[0.0;0.0]	2	[0.0;80.0]	[0.0;80.0]	[0.0;80.0]	3	[50.0;80.0]
4	[50.0;0.0]	[50.0;0.0]	[50.0;0.0]						[50.0;80.0]

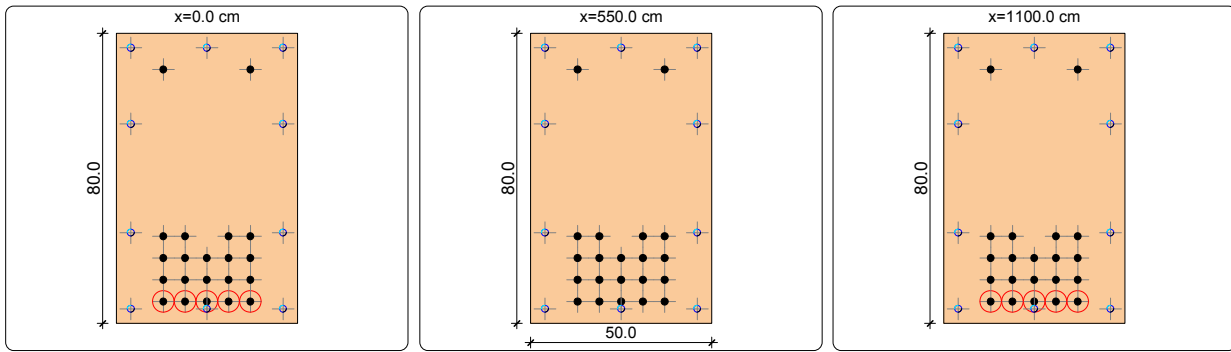
DISPOSIZIONE DEI TREFOLI E DEI TUBETTI (Totale trefoli 21) - (cm, cm²)

n.	coord	LgSx	LgDx	LgAd	Area	n.	coord	LgSx	LgDx	LgAd	Area	n.	coord	LgSx	LgDx	LgAd	Area
1	[25.0;6.0]	150.0	150.0	85.0	1.39	2	[19.0;6.0]	100.0	100.0	85.0	1.39	3	[13.0;6.0]	100.0	100.0	85.0	1.39
4	[31.0;6.0]	100.0	100.0	85.0	1.39	5	[37.0;6.0]	100.0	100.0	85.0	1.39	6	[25.0;12.0]	0.0	0.0	85.0	1.39
7	[19.0;12.0]	0.0	0.0	85.0	1.39	8	[13.0;12.0]	0.0	0.0	85.0	1.39	9	[31.0;12.0]	0.0	0.0	85.0	1.39
10	[37.0;12.0]	0.0	0.0	85.0	1.39	11	[25.0;18.0]	0.0	0.0	85.0	1.39	12	[19.0;18.0]	0.0	0.0	85.0	1.39
13	[13.0;18.0]	0.0	0.0	85.0	1.39	14	[31.0;18.0]	0.0	0.0	85.0	1.39	15	[37.0;18.0]	0.0	0.0	85.0	1.39
16	[19.0;24.0]	0.0	0.0	85.0	1.39	17	[13.0;24.0]	0.0	0.0	85.0	1.39	18	[31.0;24.0]	0.0	0.0	85.0	1.39
19	[37.0;24.0]	0.0	0.0	85.0	1.39	20	[25.0;24.0]	0.0	0.0	85.0	1.39	21	[19.0;24.0]	0.0	0.0	85.0	1.39

DISPOSIZIONE DELLE ARMATURE LENTE - (cm, mm)

n.	coord ad X=0,X=L/2,X=L			Diam	Xa	Xb	LgAd	n.	coord ad X=0,X=L/2,X=L			Diam	Xa	Xb	LgAd
1	[4.0;4.0]	[4.0;4.0]	[4.0;4.0]	16	0.0	1100.0	64.0	2	[4.0;76.0]	[4.0;76.0]	[4.0;76.0]	16	0.0	1100.0	64.0
3	[46.0;76.0]	[46.0;76.0]	[46.0;76.0]	16	0.0	1100.0	64.0	4	[46.0;4.0]	[46.0;4.0]	[46.0;4.0]	16	0.0	1100.0	64.0
5	[4.0;25.0]	[4.0;25.0]	[4.0;25.0]	12	0.0	1100.0	48.0	6	[4.0;55.0]	[4.0;55.0]	[4.0;55.0]	12	0.0	1100.0	48.0
7	[25.0;76.0]	[25.0;76.0]	[25.0;76.0]	16	0.0	1100.0	64.0	8	[46.0;55.0]	[46.0;55.0]	[46.0;55.0]	12	0.0	1100.0	48.0
9	[46.0;25.0]	[46.0;25.0]	[46.0;25.0]	12	0.0	1100.0	48.0	10	[25.0;4.0]	[25.0;4.0]	[25.0;4.0]	16	0.0	1100.0	64.0



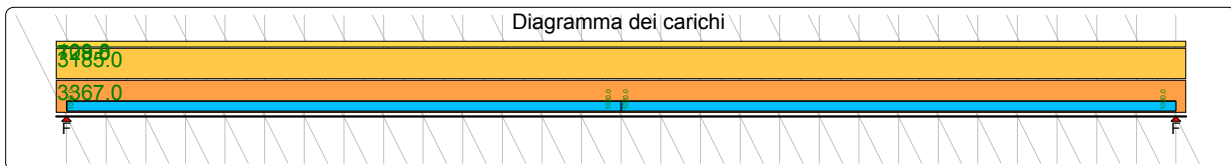
**Situazione di carico**

CARICHI VERT. UNIFORMEMENTE DISTRIBUITI (kg/m)	Ecc (cm)	Aliq. App.	Slu	SluSV	SleQP	SleFR	SleRA
Peso proprio solaio	370.0x910.0=	3367.0	0.0	0.00	1.30	1.00	1.00
Peso proprio caldana	0.0x910.0=	0.0	0.0	0.00	1.30	1.00	1.00
Permanenti di 2° fase	350.0x910.0=	3185.0	0.0	0.00	1.50	1.00	1.00
Variabili di 3° fase	80.0x910.0=	728.0	0.0	0.00	1.50	0.00	0.20
Incremento per sisma verticale	109.8	0.0	0.00	1.00	0.00	0.00	0.00
Totale carichi appesi	0.0						

CARICHI VERTICALI DISTRIBUITI (kg/m, cm)

Qa	Qb	Xa	Xb	Ecc	Fase	Aliq. App.	Incr. sismici	Slu	SluSV	SleQP	SleFR	SleRA
1020.0	1020.0	10.0	550.0	0.0	0	0.00	17.1	17.1	1.30	1.00	1.00	1.00
1020.0	1020.0	550.0	1090.0	0.0	0	0.00	17.1	17.1	1.30	1.00	1.00	1.00

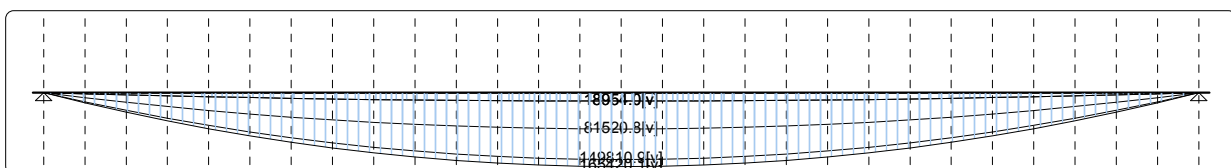
Fase: 0=taglio trefoli, 1=1° fase (sez isolata), 2=2° fase perm (sez mista), 3=3° fase variab (sez mista)



Volume complessivo della trave (mc) 4.400 Posizione baricentro trave (cm) 550.0
 Peso totale della trave (kg) 11220.0

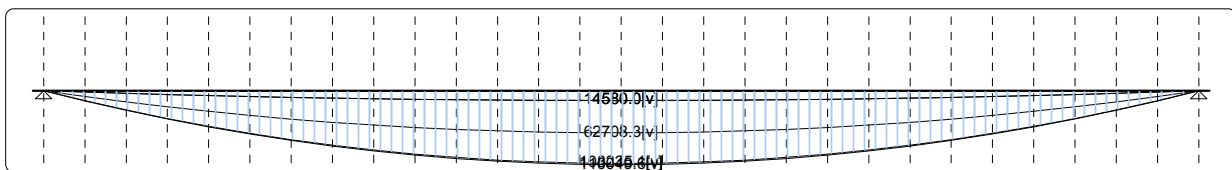
Caratteristiche di sollecitazione**MOMENTI FLETTENTI S.L.U. (cm, daNm)**

X	Mpp0[v]	Mpp1[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0
48.6	2611.0	2611.0	8618.9	11229.9	9407.3	20637.2	2150.2	22787.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	5028.6	5028.6	16599.3	21628.0	18117.8	39745.8	4141.2	43887.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	7252.8	7252.8	23941.4	31194.2	26131.4	57325.6	5972.9	63298.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	9283.6	9283.6	30645.0	39928.5	33448.2	73376.8	7645.3	81022.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	11121.0	11121.0	36710.1	47831.1	40068.2	87899.3	9158.4	97057.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	12764.9	12764.9	42136.8	54901.7	45991.3	100893.1	10512.3	111405.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	14215.5	14215.5	46925.1	61140.6	51217.6	112358.2	11706.9	124065.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	15472.7	15472.7	51074.9	66547.6	55747.1	122294.6	12742.2	135036.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	16536.4	16536.4	54586.3	71122.7	59579.7	130702.4	13618.2	144320.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	17406.7	17406.7	57459.3	74866.0	62715.5	137581.5	14334.9	151916.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	18083.7	18083.7	59693.8	77777.5	65154.4	142931.9	14892.4	157824.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	18567.2	18567.2	61289.9	79857.1	66896.5	146753.6	15290.6	162044.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	18857.3	18857.3	62247.6	81104.9	67941.7	149046.6	15529.5	164576.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	18954.0	18954.0	62566.8	81520.8	68290.1	149810.9	15609.2	165420.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	18857.3	18857.3	62247.6	81104.9	67941.7	149046.6	15529.5	164576.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	18567.2	18567.2	61289.9	79857.1	66896.5	146753.6	15290.6	162044.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	18083.7	18083.7	59693.8	77777.5	65154.4	142931.9	14892.4	157824.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	17406.7	17406.7	57459.3	74866.0	62715.5	137581.5	14335.0	151916.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	16536.4	16536.4	54586.3	71122.7	59579.7	130702.4	13618.2	144320.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	15472.7	15472.7	51074.9	66547.6	55747.1	122294.6	12742.2	135036.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	14215.5	14215.5	46925.1	61140.6	51217.6	112358.2	11706.9	124065.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	12764.9	12764.9	42136.8	54901.7	45991.3	100893.1	10512.3	111405.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	11121.0	11121.0	36710.1	47831.1	40068.2	87899.3	9158.4	97057.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	9283.6	9283.6	30645.0	39928.5	33448.2	73376.8	7645.3	81022.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	7252.8	7252.8	23941.4	31194.2	26131.4	57325.6	5972.9	63298.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	5028.6	5028.6	16599.4	21628.0	18117.8	39745.8	4141.2	43887.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	2611.0	2611.0	8618.9	11229.9	9407.3	20637.2	2150.3	22787.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



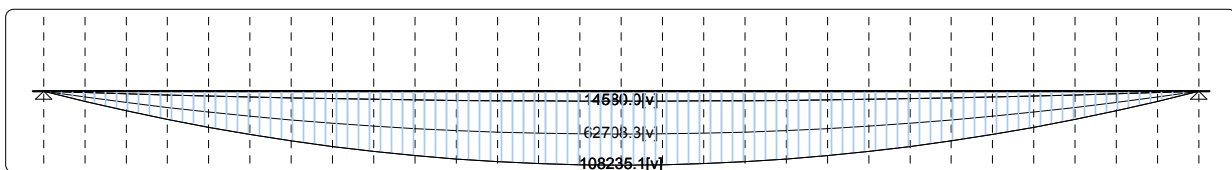
MOMENTI FLETTENTI S.L.U. con SISMA verticale (cm, daNm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0
48.6	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	250.0	15159.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	481.4	29196.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	694.3	42110.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	7141.2	7141.2	23573.0	30714.3	22298.8	53013.1	888.8	53901.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	1064.7	64569.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	1222.0	74115.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	1360.9	82537.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	1481.3	89836.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	1583.1	96012.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	1666.4	101066.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	1731.2	104996.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	1777.5	107803.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	1805.3	109488.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	14580.0	14580.0	48128.3	62708.3	45526.8	108235.1	1814.6	110049.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	1805.3	109488.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	1777.5	107803.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	1731.2	104996.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	1666.4	101066.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	1583.1	96012.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	1481.3	89836.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	1360.9	82537.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	1222.0	74115.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	1064.7	64569.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	7141.2	7141.2	23573.0	30714.3	22298.8	53013.1	888.8	53901.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	694.3	42110.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	481.4	29196.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	250.0	15159.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



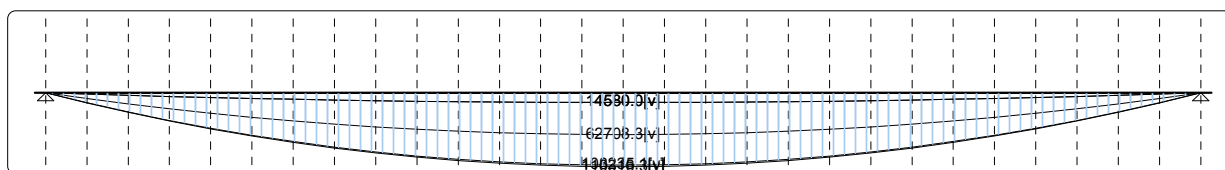
MOMENTI FLETTENTI S.L.E. Quasi permanente (cm, daNm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0
48.6	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	0.0	14909.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	0.0	28715.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	0.0	41416.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	7141.2	7141.2	23573.0	30714.3	22298.8	53013.1	0.0	53013.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	0.0	63505.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	0.0	72893.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	0.0	81176.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	0.0	88355.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	0.0	94429.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	0.0	99399.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	0.0	103265.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	0.0	106026.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	0.0	107682.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	14580.0	14580.0	48128.3	62708.3	45526.8	108235.1	0.0	108235.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	0.0	107682.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	0.0	106026.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	0.0	103265.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	0.0	99399.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	0.0	94429.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	0.0	88355.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	0.0	81176.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	0.0	72893.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	0.0	63505.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	7141.2	7141.2	23573.0	30714.3	22298.8	53013.1	0.0	53013.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	0.0	41416.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	0.0	28715.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	0.0	14909.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



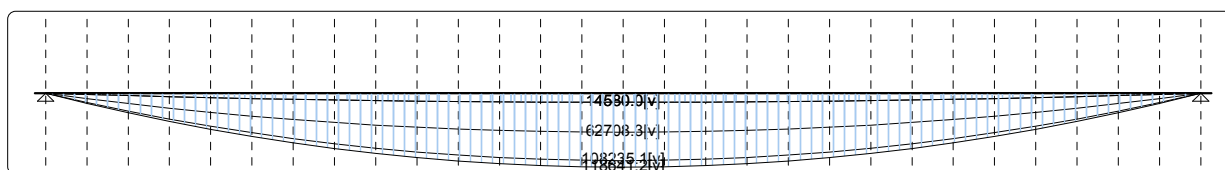
MOMENTI FLETTENTI S.L.E. Frequente (cm, daNm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0
48.6	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	286.7	15196.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	552.2	29267.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	796.4	42212.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	7141.2	7141.2	23573.0	30714.3	22298.8	53013.1	1019.4	54032.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	1221.1	64726.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	1401.6	74294.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	1560.9	82737.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	1699.0	90054.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	1815.8	96245.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	1911.3	101310.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	1985.7	105250.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	2038.8	108064.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	2070.6	109753.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	14580.0	14580.0	48128.3	62708.3	45526.8	108235.1	2081.2	110316.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	2070.6	109753.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	2038.8	108064.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	1985.7	105250.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	1911.3	101310.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	1815.8	96245.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	1699.0	90054.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	1560.9	82737.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	1401.6	74294.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	1221.1	64726.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	7141.2	7141.2	23573.1	30714.3	22298.8	53013.1	1019.4	54032.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	796.4	42212.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	552.2	29267.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	286.7	15196.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



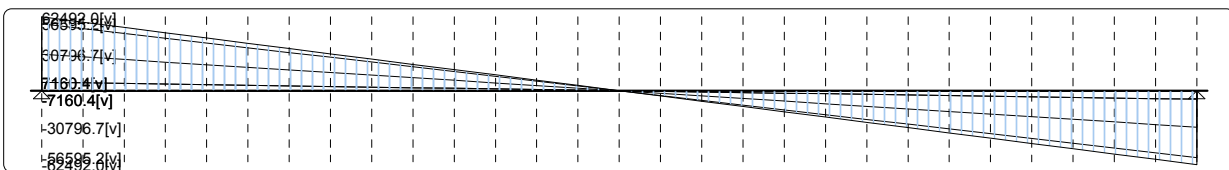
MOMENTI FLETTENTI S.L.E. Rara (cm, daNm)

X	Mpp0[v]	Mpp[v]	Mf1[v]	MT1[v]	Mf2[v]	MT2[v]	Mf3[v]	MT[v]	Mpp0[o]	Mpp[o]	Mf1[o]	MT1[o]	Mf2[o]	MT2[o]	Mf3[o]	MT[o]
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	-0.0	0.0	-0.0	0.0	-0.0
48.6	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	1433.5	16343.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	2760.8	31476.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	3981.9	45398.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	7141.2	7141.2	23573.0	30714.3	22298.8	53013.1	5096.9	58110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	6105.6	69610.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	7008.2	79901.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	7804.6	88980.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	8494.8	96849.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	9078.8	103508.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	9556.6	108956.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	9928.3	113193.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	10193.7	116219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	10353.0	118035.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	14580.0	14580.0	48128.3	62708.3	45526.8	108235.1	10406.1	118641.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	14505.6	14505.6	47882.7	62388.4	45294.5	107682.9	10353.0	118035.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	14282.4	14282.4	47146.1	61428.5	44597.6	106026.2	10193.7	116219.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	13910.5	13910.5	45918.3	59828.8	43436.3	103265.1	9928.3	113193.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	13389.8	13389.8	44199.5	57589.3	41810.3	99399.5	9556.6	108956.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	12720.3	12720.3	41989.5	54709.8	39719.8	94429.6	9078.8	103508.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	11902.0	11902.0	39288.4	51190.4	37164.7	88355.2	8494.8	96849.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	10935.0	10935.0	36096.2	47031.2	34145.1	81176.3	7804.6	88980.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	9819.2	9819.2	32412.9	42232.1	30660.9	72893.0	7008.2	79901.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	8554.6	8554.6	28238.5	36793.1	26712.1	63505.3	6105.6	69610.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	7141.2	7141.2	23573.1	30714.3	22298.8	53013.1	5096.9	58109.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	5579.1	5579.1	18416.4	23995.5	17421.0	41416.5	3981.9	45398.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	3868.2	3868.2	12768.7	16636.9	12078.5	28715.4	2760.8	31476.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	2008.5	2008.5	6629.9	8638.4	6271.5	14909.9	1433.5	16343.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



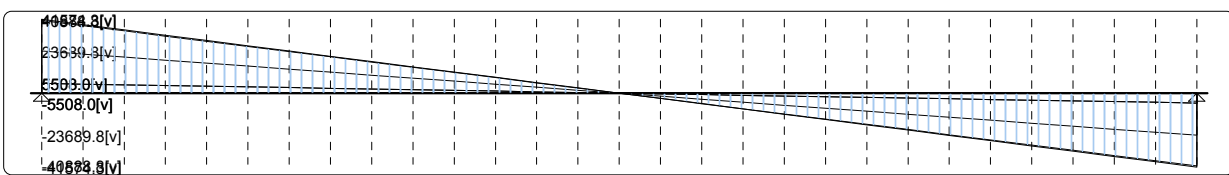
SFORZI DI TAGLIO S.L.U. (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	7160.4	7160.4	23636.3	30796.7	25798.5	56595.2	5896.8	62492.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.6	6648.9	6648.9	21948.0	28597.0	23955.7	52552.7	5475.6	58028.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	6137.5	6137.5	20259.7	26397.2	22113.0	48510.2	5054.4	53564.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	5626.0	5626.0	18571.4	24197.4	20270.3	44467.7	4633.2	49100.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	5114.6	5114.6	16883.1	21997.7	18427.5	40425.2	4212.0	44637.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	4603.1	4603.1	15194.8	19797.9	16584.8	36382.7	3790.8	40173.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	4091.7	4091.7	13506.5	17598.1	14742.0	32340.1	3369.6	35709.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	3580.2	3580.2	11818.2	15398.4	12899.3	28297.6	2948.4	31246.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	3068.7	3068.7	10129.9	13198.6	11056.5	24255.1	2527.2	26782.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	2557.3	2557.3	8441.5	10998.8	9213.8	20212.6	2106.0	22318.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	2045.8	2045.8	6753.2	8799.1	7371.0	16170.1	1684.8	17854.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	1534.4	1534.4	5064.9	6599.3	5528.3	12127.6	1263.6	13391.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	1022.9	1022.9	3376.6	4399.5	3685.5	8085.0	842.4	8927.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	511.5	511.5	1688.3	2199.8	1842.8	4042.5	421.2	4463.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	0.0	0.0	-0.0	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	-511.5	-511.5	-1688.3	-2199.8	-1842.7	-4042.5	-421.2	-4463.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	-1022.9	-1022.9	-3376.6	-4399.5	-3685.5	-8085.0	-842.4	-8927.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	-1534.4	-1534.4	-5064.9	-6599.3	-5528.3	-12127.6	-1263.6	-13391.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	-2045.8	-2045.8	-6753.2	-8799.1	-7371.0	-16170.1	-1684.8	-17854.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	-2557.3	-2557.3	-8441.5	-10998.8	-9213.8	-20212.6	-2106.0	-22318.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	-3068.7	-3068.7	-10129.9	-13198.6	-11056.5	-24255.1	-2527.2	-26782.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	-3580.2	-3580.2	-11818.2	-15398.4	-12899.3	-28297.6	-2948.4	-31246.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	-4091.7	-4091.7	-13506.5	-17598.1	-14742.0	-32340.1	-3369.6	-35709.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	-4603.1	-4603.1	-15194.8	-19797.9	-16584.8	-36382.7	-3790.8	-40173.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	-5114.6	-5114.6	-16883.1	-21997.7	-18427.5	-40425.2	-4212.0	-44637.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	-5626.0	-5626.0	-18571.4	-24197.4	-20270.3	-44467.7	-4633.2	-49100.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	-6137.5	-6137.5	-20259.7	-26397.2	-22113.0	-48510.2	-5054.4	-53564.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	-6648.9	-6648.9	-21948.0	-28597.0	-23955.7	-52552.7	-5475.6	-58028.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	-7160.4	-7160.4	-23636.3	-30796.7	-25798.5	-56595.2	-5896.8	-62492.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



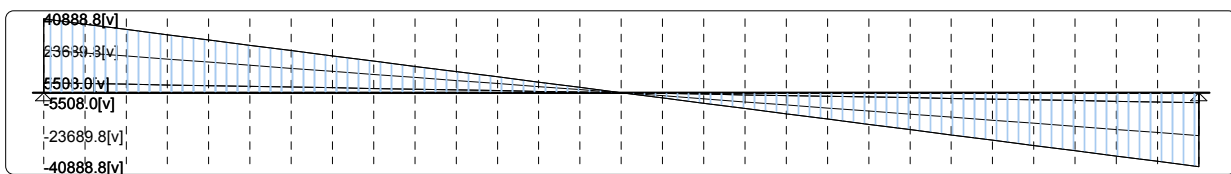
SFORZI DI TAGLIO S.L.U. con SISMA verticale (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	5508.0	5508.0	18181.8	23689.8	17199.0	40888.8	685.5	41574.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.6	5114.6	5114.6	16883.1	21997.7	15970.5	37968.2	636.5	38604.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	4721.1	4721.1	15584.4	20305.5	14742.0	35047.5	587.6	35635.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	4327.7	4327.7	14285.7	18613.4	13513.5	32126.9	538.6	32665.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	3934.3	3934.3	12987.0	16921.3	12285.0	29206.3	489.6	29695.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	3540.9	3540.9	11688.3	15229.2	11056.5	26285.7	440.7	26726.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	3147.4	3147.4	10389.6	13537.0	9828.0	23365.0	391.7	23756.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	2754.0	2754.0	9090.9	11844.9	8599.5	20444.4	342.7	20787.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	2360.6	2360.6	7792.2	10152.8	7371.0	17523.8	293.8	17817.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	1967.1	1967.1	6493.5	8460.6	6142.5	14603.1	244.8	14848.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	1573.7	1573.7	5194.8	6768.5	4914.0	11682.5	195.9	11878.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	1180.3	1180.3	3896.1	5076.4	3685.5	8761.9	146.9	8908.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	786.9	786.9	2597.4	3384.3	2457.0	5841.3	97.9	5939.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	393.4	393.4	1298.7	1692.1	1228.5	2920.6	49.0	2969.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	-393.4	-393.4	-1298.7	-1692.1	-1228.5	-2920.6	-49.0	-2969.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	-786.9	-786.9	-2597.4	-3384.3	-2457.0	-5841.3	-97.9	-5939.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	-1180.3	-1180.3	-3896.1	-5076.4	-3685.5	-8761.9	-146.9	-8908.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	-1573.7	-1573.7	-5194.8	-6768.5	-4914.0	-11682.5	-195.9	-11878.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	-1967.1	-1967.1	-6493.5	-8460.6	-6142.5	-14603.1	-244.8	-14848.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	-2360.6	-2360.6	-7792.2	-10152.8	-7371.0	-17523.8	-293.8	-17817.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	-2754.0	-2754.0	-9090.9	-11844.9	-8599.5	-20444.4	-342.7	-20787.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	-3147.4	-3147.4	-10389.6	-13537.0	-9828.0	-23365.0	-391.7	-23756.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	-3540.9	-3540.9	-11688.3	-15229.2	-11056.5	-26285.7	-440.7	-26726.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	-3934.3	-3934.3	-12987.0	-16921.3	-12285.0	-29206.3	-489.6	-29695.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	-4327.7	-4327.7	-14285.7	-18613.4	-13513.5	-32126.9	-538.6	-32665.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	-4721.1	-4721.1	-15584.4	-20305.5	-14742.0	-35047.5	-587.6	-35635.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	-5114.6	-5114.6	-16883.1	-21997.7	-15970.5	-37968.2	-636.5	-38604.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	-5508.0	-5508.0	-18181.8	-23689.8	-17199.0	-40888.8	-685.5	-41574.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



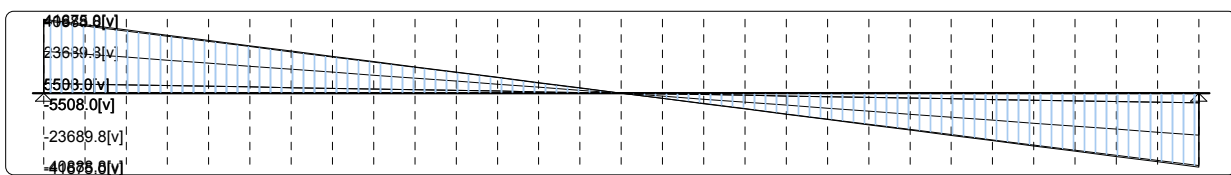
SFORZI DI TAGLIO S.L.E. Quasi permanente (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	5508.0	5508.0	18181.8	23689.8	17199.0	40888.8	0.0	40888.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.6	5114.6	5114.6	16883.1	21997.7	15970.5	37968.2	0.0	37968.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	4721.1	4721.1	15584.4	20305.5	14742.0	35047.5	0.0	35047.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	4327.7	4327.7	14285.7	18613.4	13513.5	32126.9	0.0	32126.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	3934.3	3934.3	12987.0	16921.3	12285.0	29206.3	0.0	29206.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	3540.9	3540.9	11688.3	15229.2	11056.5	26285.7	0.0	26285.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	3147.4	3147.4	10389.6	13537.0	9828.0	23365.0	0.0	23365.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	2754.0	2754.0	9090.9	11844.9	8599.5	20444.4	0.0	20444.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	2360.6	2360.6	7792.2	10152.8	7371.0	17523.8	0.0	17523.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	1967.1	1967.1	6493.5	8460.6	6142.5	14603.1	0.0	14603.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	1573.7	1573.7	5194.8	6768.5	4914.0	11682.5	0.0	11682.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	1180.3	1180.3	3896.1	5076.4	3685.5	8761.9	0.0	8761.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	786.9	786.9	2597.4	3384.3	2457.0	5841.3	0.0	5841.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	393.4	393.4	1298.7	1692.1	1228.5	2920.6	0.0	2920.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	-393.4	-393.4	-1298.7	-1692.1	-1228.5	-2920.6	0.0	-2920.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	-786.9	-786.9	-2597.4	-3384.3	-2457.0	-5841.3	0.0	-5841.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	-1180.3	-1180.3	-3896.1	-5076.4	-3685.5	-8761.9	0.0	-8761.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	-1573.7	-1573.7	-5194.8	-6768.5	-4914.0	-11682.5	0.0	-11682.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	-1967.1	-1967.1	-6493.5	-8460.6	-6142.5	-14603.1	0.0	-14603.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	-2360.6	-2360.6	-7792.2	-10152.8	-7371.0	-17523.8	0.0	-17523.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	-2754.0	-2754.0	-9090.9	-11844.9	-8599.5	-20444.4	0.0	-20444.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	-3147.4	-3147.4	-10389.6	-13537.0	-9828.0	-23365.0	0.0	-23365.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	-3540.9	-3540.9	-11688.3	-15229.2	-11056.5	-26285.7	0.0	-26285.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	-3934.3	-3934.3	-12987.0	-16921.3	-12285.0	-29206.3	0.0	-29206.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	-4327.7	-4327.7	-14285.7	-18613.4	-13513.5	-32126.9	0.0	-32126.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	-4721.1	-4721.1	-15584.4	-20305.5	-14742.0	-35047.5	0.0	-35047.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	-5114.6	-5114.6	-16883.1	-21997.7	-15970.5	-37968.2	0.0	-37968.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	-5508.0	-5508.0	-18181.8	-23689.8	-17199.0	-40888.8	0.0	-40888.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



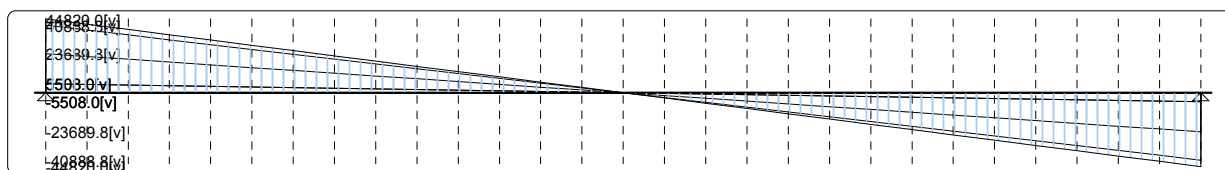
SFORZI DI TAGLIO S.L.E. Frequente (cm, kg)

X	Vpp0[v]	Vpp[v]	Vf1[v]	VT1[v]	Vf2[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	5508.0	5508.0	18181.8	23689.8	17199.0	40888.8	786.2	41675.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.6	5114.6	5114.6	16883.1	21997.7	15970.5	37968.2	730.1	38698.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	4721.1	4721.1	15584.4	20305.5	14742.0	35047.5	673.9	35721.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	4327.7	4327.7	14285.7	18613.4	13513.5	32126.9	617.8	32744.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	3934.3	3934.3	12987.0	16921.3	12285.0	29206.3	561.6	29767.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	3540.9	3540.9	11688.3	15229.2	11056.5	26285.7	505.4	26791.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	3147.4	3147.4	10389.6	13537.0	9828.0	23365.0	449.3	23814.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	2754.0	2754.0	9090.9	11844.9	8599.5	20444.4	393.1	20837.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	2360.6	2360.6	7792.2	10152.8	7371.0	17523.8	337.0	17860.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	1967.1	1967.1	6493.5	8460.6	6142.5	14603.1	280.8	14883.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	1573.7	1573.7	5194.8	6768.5	4914.0	11682.5	224.6	11907.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	1180.3	1180.3	3896.1	5076.4	3685.5	8761.9	168.5	8930.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	786.9	786.9	2597.4	3384.3	2457.0	5841.3	112.3	5953.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	393.4	393.4	1298.7	1692.1	1228.5	2920.6	56.2	2976.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	-393.4	-393.4	-1298.7	-1692.1	-1228.5	-2920.6	-56.2	-2976.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	-786.9	-786.9	-2597.4	-3384.3	-2457.0	-5841.3	-112.3	-5953.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	-1180.3	-1180.3	-3896.1	-5076.4	-3685.5	-8761.9	-168.5	-8930.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	-1573.7	-1573.7	-5194.8	-6768.5	-4914.0	-11682.5	-224.6	-11907.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	-1967.1	-1967.1	-6493.5	-8460.6	-6142.5	-14603.1	-280.8	-14883.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	-2360.6	-2360.6	-7792.2	-10152.8	-7371.0	-17523.8	-337.0	-17860.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	-2754.0	-2754.0	-9090.9	-11844.9	-8599.5	-20444.4	-393.1	-20837.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	-3147.4	-3147.4	-10389.6	-13537.0	-9828.0	-23365.0	-449.3	-23814.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	-3540.9	-3540.9	-11688.3	-15229.2	-11056.5	-26285.7	-505.4	-26791.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	-3934.3	-3934.3	-12987.0	-16921.3	-12285.0	-29206.3	-561.6	-29767.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	-4327.7	-4327.7	-14285.7	-18613.4	-13513.5	-32126.9	-617.8	-32744.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	-4721.1	-4721.1	-15584.4	-20305.5	-14742.0	-35047.5	-673.9	-35721.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	-5114.6	-5114.6	-16883.1	-21997.7	-15970.5	-37968.2	-730.1	-38698.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	-5508.0	-5508.0	-18181.8	-23689.8	-17199.0	-40888.8	-786.2	-41675.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



SFORZI DI TAGLIO S.L.E. Rara (cm, kg)

X	Vpp0[v]	Vpp1[v]	Vf1[v]	VT1[v]	VT2[v]	Vf3[v]	VT[v]	Vpp0[o]	Vpp[o]	Vf1[o]	VT1[o]	Vf2[o]	VT2[o]	Vf3[o]	VT[o]
10.0	5508.0	5508.0	18181.8	23689.8	17199.0	40888.8	3931.2	44820.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48.6	5114.6	5114.6	16883.1	21997.7	15970.5	37968.2	3650.4	41618.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.1	4721.1	4721.1	15584.4	20305.5	14742.0	35047.5	3369.6	38417.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.7	4327.7	4327.7	14285.7	18613.4	13513.5	32126.9	3088.8	35215.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164.3	3934.3	3934.3	12987.0	16921.3	12285.0	29206.3	2808.0	32014.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
202.9	3540.9	3540.9	11688.3	15229.2	11056.5	26285.7	2527.2	28812.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
241.4	3147.4	3147.4	10389.6	13537.0	9828.0	23365.0	2246.4	25611.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
280.0	2754.0	2754.0	9090.9	11844.9	8599.5	20444.4	1965.6	22410.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318.6	2360.6	2360.6	7792.2	10152.8	7371.0	17523.8	1684.8	19208.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357.1	1967.1	1967.1	6493.5	8460.6	6142.5	14603.1	1404.0	16007.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
395.7	1573.7	1573.7	5194.8	6768.5	4914.0	11682.5	1123.2	12805.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434.3	1180.3	1180.3	3896.1	5076.4	3685.5	8761.9	842.4	9604.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472.9	786.9	786.9	2597.4	3384.3	2457.0	5841.3	561.6	6402.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511.4	393.4	393.4	1298.7	1692.1	1228.5	2920.6	280.8	3201.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
550.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0	-0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
588.6	-393.4	-393.4	-1298.7	-1692.1	-1228.5	-2920.6	-280.8	-3201.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
627.1	-786.9	-786.9	-2597.4	-3384.3	-2457.0	-5841.3	-561.6	-6402.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
665.7	-1180.3	-1180.3	-3896.1	-5076.4	-3685.5	-8761.9	-842.4	-9604.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
704.3	-1573.7	-1573.7	-5194.8	-6768.5	-4914.0	-11682.5	-1123.2	-12805.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
742.9	-1967.1	-1967.1	-6493.5	-8460.6	-6142.5	-14603.1	-1404.0	-16007.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
781.4	-2360.6	-2360.6	-7792.2	-10152.8	-7371.0	-17523.8	-1684.8	-19208.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
820.0	-2754.0	-2754.0	-9090.9	-11844.9	-8599.5	-20444.4	-1965.6	-22410.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
858.6	-3147.4	-3147.4	-10389.6	-13537.0	-9828.0	-23365.0	-2246.4	-25611.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
897.1	-3540.9	-3540.9	-11688.3	-15229.2	-11056.5	-26285.7	-2527.2	-28812.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
935.7	-3934.3	-3934.3	-12987.0	-16921.3	-12285.0	-29206.3	-2808.0	-32014.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
974.3	-4327.7	-4327.7	-14285.7	-18613.4	-13513.5	-32126.9	-3088.8	-35215.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1012.9	-4721.1	-4721.1	-15584.4	-20305.5	-14742.0	-35047.5	-3369.6	-38417.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051.4	-5114.6	-5114.6	-16883.1	-21997.7	-15970.5	-37968.2	-3650.4	-41618.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1090.0	-5508.0	-5508.0	-18181.8	-23689.8	-17199.0	-40888.8	-3931.2	-44820.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REAZIONI VINCOLARI VERTICALI, ORIZZONTALI E TORCENTI (cm, kg, daNm)

X	R0[v]	Rf1[v]	RT1[v]	Rf2[v]	RT2[v]	Rf3[v]	RT[v]	R0[o]	Rf1[o]	RT1[o]	Rf2[o]	RT2[o]	Rf3[o]	RT[o]	
10.0	7293.0	24074.0	31367.0	26276.3	57643.3	6006.0	63649.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Slu
5610.0	18518.5	24128.5	17517.5	41646.0	696.5	42342.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluSV
5610.0	18518.5	24128.5	17517.5	41646.0	0.0	41646.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluQP
5610.0	18518.5	24128.5	17517.5	41646.0	800.8	42446.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluFR
5610.0	18518.5	24128.5	17517.5	41646.0	4004.0	45650.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluRA
1090.0	7293.0	24074.1	31367.0	26276.2	57643.3	6006.0	63649.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	Slu
5610.0	18518.5	24128.5	17517.5	41646.0	696.5	42342.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluSV
5610.0	18518.5	24128.5	17517.5	41646.0	0.0	41646.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluQP
5610.0	18518.5	24128.5	17517.5	41646.0	800.8	42446.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluFR
5610.0	18518.5	24128.5	17517.5	41646.0	4004.0	45650.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	SluRA

Caratteristiche sezioni omogeneizzate

SEZIONE IDEALE ISOLATA (cm, cm, cm², cm⁴, cm³)

X	Ht	Area	Ix	Iy	Ixy	Xg	Yg	FattTgi
10.0	80.0	4083	2216595	861042	-0	25.00	40.00	2686
48.6	80.0	4083	2216595	861042	-0	25.00	40.00	2686
87.1	80.0	4083	2216595	861042	-0	25.00	40.00	2686
125.7	80.0	4083	2216595	861042	-0	25.00	40.00	2686
164.3	80.0	4083	2216595	861042	-0	25.00	40.00	2686
202.9	80.0	4083	2216595	861042	-0	25.00	40.00	2686
241.4	80.0	4083	2216595	861042	-0	25.00	40.00	2686
280.0	80.0	4083	2216595	861042	-0	25.00	40.00	2686
318.6	80.0	4083	2216595	861042	-0	25.00	40.00	2686
357.1	80.0	4083	2216595	861042	-0	25.00	40.00	2686
395.7	80.0	4083	2216595	861042	-0	25.00	40.00	2686
434.3	80.0	4083	2216595	861042	-0	25.00	40.00	2686
472.9	80.0	4083	2216595	861042	-0	25.00	40.00	2686
511.4	80.0	4083	2216595	861042	-0	25.00	40.00	2686
550.0	80.0	4083	2216595	861042	-0	25.00	40.00	2686
588.6	80.0	4083	2216595	861042	-0	25.00	40.00	2686
627.1	80.0	4083	2216595	861042	-0	25.00	40.00	2686
665.7	80.0	4083	2216595	861042	-0	25.00	40.00	2686
704.3	80.0	4083	2216595	861042	-0	25.00	40.00	2686
742.9	80.0	4083	2216595	861042	-0	25.00	40.00	2686
781.4	80.0	4083	2216595	861042	-0	25.00	40.00	2686
820.0	80.0	4083	2216595	861042	-0	25.00	40.00	2686
858.6	80.0	4083	2216595	861042	-0	25.00	40.00	2686
897.1	80.0	4083	2216595	861042	-0	25.00	40.00	2686
935.7	80.0	4083	2216595	861042	-0	25.00	40.00	2686
974.3	80.0	4083	2216595	861042	-0	25.00	40.00	2686
1012.9	80.0	4083	2216595	861042	-0	25.00	40.00	2686
1051.4	80.0	4083	2216595	861042	-0	25.00	40.00	2686
1090.0	80.0	4083	2216595	861042	-0	25.00	40.00	2686

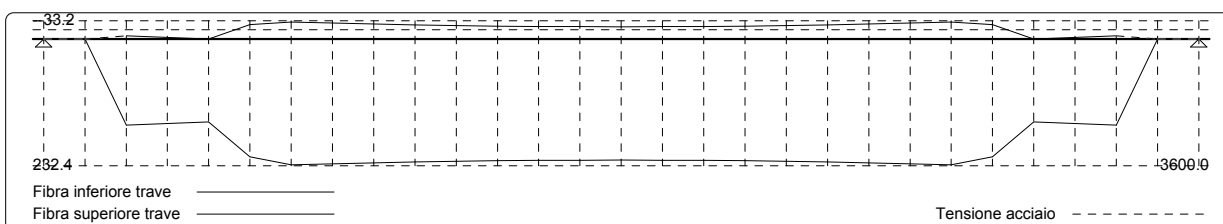
Baricentro cavo risultante x=25.00, y=19.81 cm (sezione di mezzeria)

Perdite di tensione e tensioni iniziali**PERDITE DI TENSIONE (cm, daN/cm²)**

X	Rit	Elast	Visc	Rilass	TOTALE	6 c.p.e.	6 s.p.e.
10.0							
48.6							
87.1	600.0	536.8	1234.5	263.4	2634.7	11615.3	12152.0
125.7	600.0	530.7	1220.6	265.0	2616.3	11633.7	12164.4
164.3	600.0	525.2	1207.9	266.4	2599.4	11650.6	12175.8
202.9	600.0	761.9	1752.3	84.4	3198.5	11051.5	11813.4
241.4	600.0	819.7	1885.3	32.8	3337.8	10912.2	11731.9
280.0	600.0	814.7	1873.8	34.6	3323.1	10926.9	11741.6
318.6	600.0	810.3	1863.7	36.3	3310.4	10939.6	11750.0
357.1	600.0	806.6	1855.3	37.7	3299.6	10950.4	11757.1
395.7	600.0	803.6	1848.3	38.8	3290.8	10959.2	11762.9
434.3	600.0	801.3	1842.9	39.7	3283.9	10966.1	11767.4
472.9	600.0	799.6	1839.1	40.3	3279.0	10971.0	11770.6
511.4	600.0	798.6	1836.8	40.7	3276.1	10973.9	11772.5
550.0	600.0	798.3	1836.0	40.8	3275.1	10974.9	11773.2
588.6	600.0	798.6	1836.8	40.7	3276.1	10973.9	11772.5
627.1	600.0	799.6	1839.1	40.3	3279.0	10971.0	11770.6
665.7	600.0	801.3	1842.9	39.7	3283.9	10966.1	11767.4
704.3	600.0	803.6	1848.3	38.8	3290.8	10959.2	11762.9
742.9	600.0	806.6	1855.3	37.7	3299.6	10950.4	11757.1
781.4	600.0	810.3	1863.7	36.3	3310.4	10939.6	11750.0
820.0	600.0	814.7	1873.8	34.6	3323.1	10926.9	11741.6
858.6	600.0	819.7	1885.3	32.8	3337.8	10912.2	11731.9
897.1	600.0	761.9	1752.3	84.4	3198.5	11051.5	11813.4
935.7	600.0	525.2	1207.9	266.4	2599.4	11650.6	12175.8
974.3	600.0	530.7	1220.6	265.0	2616.3	11633.7	12164.4
1012.9	600.0	536.8	1234.5	263.4	2634.7	11615.3	12152.0
1051.4							
1090.0							

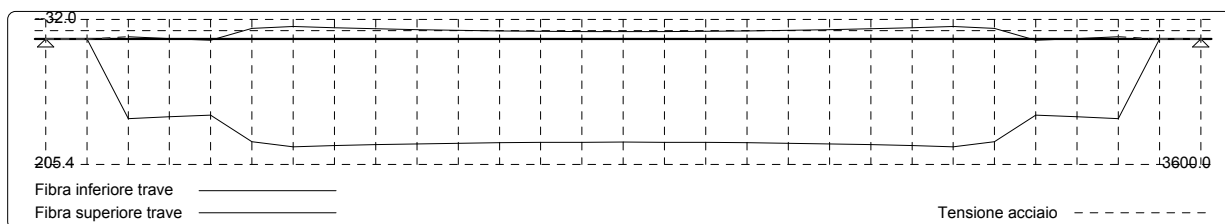
TENSIONI INIZIALI AL TAGLIO DEI TREFOLI (cm, kg, daNm, daN/cm²)

X	N0prec	Mx0prec	My0prec	6sup	6inf	6't	6'c	
10.0								
48.6								
87.1	316623.1	-49278.4	-0.0	-5.9	158.0	-0.0	76.1	c.a.p.
125.7	316623.1	-49278.4	-0.0	-2.8	154.9	-0.0	76.1	c.a.p.
164.3	316623.1	-49278.4	-0.0	-0.0	152.1	-0.0	76.1	c.a.p.
202.9	395778.8	-75663.6	-0.0	-26.1	216.1	-0.0	95.1	c.a.p.
241.4	415567.8	-82260.0	-0.0	-30.9	230.5	-0.0	99.8	c.a.p.
280.0	415567.8	-82260.0	-0.0	-28.9	228.5	-0.0	99.8	c.a.p.
318.6	415567.8	-82260.0	-0.0	-27.2	226.8	-0.0	99.8	c.a.p.
357.1	415567.8	-82260.0	-0.0	-25.7	225.3	-0.0	99.8	c.a.p.
395.7	415567.8	-82260.0	-0.0	-24.5	224.1	-0.0	99.8	c.a.p.
434.3	415567.8	-82260.0	-0.0	-23.6	223.1	-0.0	99.8	c.a.p.
472.9	415567.8	-82260.0	-0.0	-22.9	222.5	-0.0	99.8	c.a.p.
511.4	415567.8	-82260.0	-0.0	-22.5	222.1	-0.0	99.8	c.a.p.
550.0	415567.8	-82260.0	-0.0	-22.3	221.9	0.0	99.8	c.a.p.
588.6	415567.8	-82260.0	-0.0	-22.5	222.1	-0.0	99.8	c.a.p.
627.1	415567.8	-82260.0	-0.0	-22.9	222.5	-0.0	99.8	c.a.p.
665.7	415567.8	-82260.0	-0.0	-23.6	223.1	-0.0	99.8	c.a.p.
704.3	415567.8	-82260.0	-0.0	-24.5	224.1	-0.0	99.8	c.a.p.
742.9	415567.8	-82260.0	-0.0	-25.7	225.3	-0.0	99.8	c.a.p.
781.4	415567.8	-82260.0	-0.0	-27.2	226.8	-0.0	99.8	c.a.p.
820.0	415567.8	-82260.0	-0.0	-28.9	228.5	-0.0	99.8	c.a.p.
858.6	415567.8	-82260.0	-0.0	-30.9	230.5	-0.0	99.8	c.a.p.
897.1	395778.8	-75663.6	-0.0	-26.1	216.1	-0.0	95.1	c.a.p.
935.7	316623.1	-49278.4	-0.0	-0.0	152.1	-0.0	76.1	c.a.p.
974.3	316623.1	-49278.4	-0.0	-2.8	154.9	-0.0	76.1	c.a.p.
1012.9	316623.1	-49278.4	-0.0	-5.9	158.0	-0.0	76.1	c.a.p.
1051.4								
1090.0								

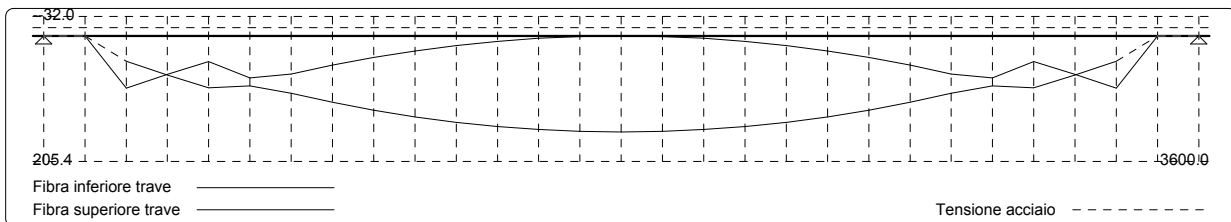


Tensioni di esercizioTENSIONI DI FASE 0 (montaggio) S.L.E. Quasi permanente - Rara (SEZ ISOLATA) (cm, kg, daNm, daN/cm²)

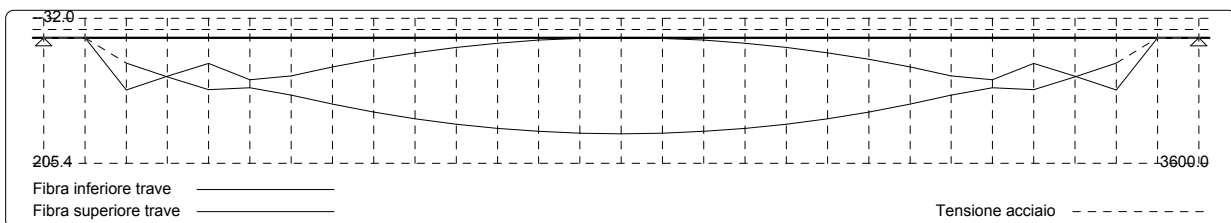
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
10.0									
48.6									
87.1	263490.4	-41009.0	-0.0	-3.8	130.3		-0.0	63.3	c.a.p.
125.7	263909.0	-41074.1	-0.0	-0.7	127.4		-0.0	63.4	c.a.p.
164.3	264291.3	-41133.6	-0.0	2.1	124.8		-0.0	63.5	c.a.p.
202.9	313376.2	-59910.2	-0.0	-17.4	167.9		-0.0	75.3	c.a.p.
241.4	324898.0	-64312.3	-0.0	-20.3	176.4		-0.0	78.0	c.a.p.
280.0	325335.7	-64398.9	-0.0	-18.4	174.6		-0.0	78.1	c.a.p.
318.6	325714.9	-64473.9	-0.0	-16.7	173.1		-0.0	78.2	c.a.p.
357.1	326035.8	-64537.5	-0.0	-15.2	171.8		-0.0	78.3	c.a.p.
395.7	326298.3	-64589.4	-0.0	-14.0	170.7		-0.0	78.4	c.a.p.
434.3	326502.5	-64629.9	-0.0	-13.1	169.9		-0.0	78.4	c.a.p.
472.9	326648.4	-64658.7	-0.0	-12.5	169.3		-0.0	78.4	c.a.p.
511.4	326735.9	-64676.0	-0.0	-12.1	169.0		-0.0	78.5	c.a.p.
550.0	326765.1	-64681.8	-0.0	-11.9	168.9		0.0	78.5	c.a.p.
588.6	326735.9	-64676.0	-0.0	-12.1	169.0		-0.0	78.5	c.a.p.
627.1	326648.4	-64658.7	-0.0	-12.5	169.3		-0.0	78.4	c.a.p.
665.7	326502.5	-64629.9	-0.0	-13.1	169.9		-0.0	78.4	c.a.p.
704.3	326298.3	-64589.4	-0.0	-14.0	170.7		-0.0	78.4	c.a.p.
742.9	326035.8	-64537.5	-0.0	-15.2	171.8		-0.0	78.3	c.a.p.
781.4	325714.9	-64473.9	-0.0	-16.7	173.1		-0.0	78.2	c.a.p.
820.0	325335.7	-64398.9	-0.0	-18.4	174.6		-0.0	78.1	c.a.p.
858.6	324898.0	-64312.3	-0.0	-20.3	176.4		-0.0	78.0	c.a.p.
897.1	313376.2	-59910.2	-0.0	-17.4	167.9		-0.0	75.3	c.a.p.
935.7	264291.3	-41133.6	-0.0	2.1	124.8		-0.0	63.5	c.a.p.
974.3	263909.0	-41074.1	-0.0	-0.7	127.4		-0.0	63.4	c.a.p.
1012.9	263490.4	-41009.0	-0.0	-3.8	130.3		-0.0	63.3	c.a.p.
1051.4									
1090.0									

TENSIONI DI 2° FASE (permanenti) S.L.E. Quasi permanente - Rara (SEZ MISTA) (cm, kg, daNm, daN/cm²)

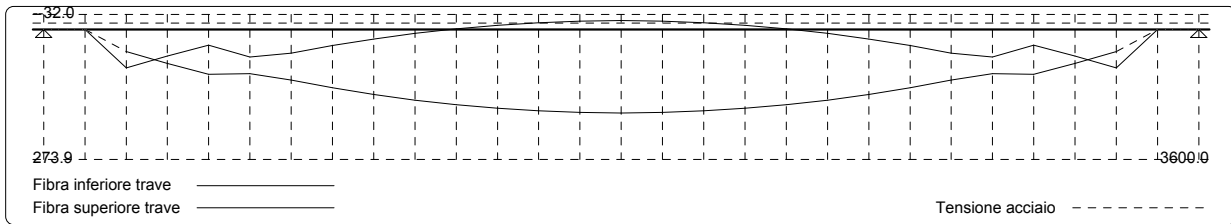
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6trf
10.0									
48.6									
87.1	263490.4	-41009.0	-0.0	41.1	85.5		-2.5	65.8	c.a.p.
125.7	263909.0	-41074.1	-0.0	64.0	62.8		-2.1	65.5	c.a.p.
164.3	264291.3	-41133.6	-0.0	84.9	42.0		-1.7	65.2	c.a.p.
202.9	313376.2	-59910.2	-0.0	81.7	68.8		-1.2	76.5	c.a.p.
241.4	324898.0	-64312.3	-0.0	93.5	62.5		-0.9	78.9	c.a.p.
280.0	325335.7	-64398.9	-0.0	108.4	47.8		-0.7	78.8	c.a.p.
318.6	325714.9	-64473.9	-0.0	121.3	35.1		-0.5	78.7	c.a.p.
357.1	326035.8	-64537.5	-0.0	132.2	24.3		-0.4	78.6	c.a.p.
395.7	326298.3	-64589.4	-0.0	141.2	15.5		-0.2	78.6	c.a.p.
434.3	326502.5	-64629.9	-0.0	148.1	8.7		-0.1	78.5	c.a.p.
472.9	326648.4	-64658.7	-0.0	153.1	3.8		-0.1	78.5	c.a.p.
511.4	326735.9	-64676.0	-0.0	156.1	0.8		-0.0	78.5	c.a.p.
550.0	326765.1	-64681.8	-0.0	157.1	-0.1		-0.0	78.5	c.a.p.
588.6	326735.9	-64676.0	-0.0	156.1	0.8		-0.0	78.5	c.a.p.
627.1	326648.4	-64658.7	-0.0	153.1	3.8		-0.1	78.5	c.a.p.
665.7	326502.5	-64629.9	-0.0	148.1	8.7		-0.1	78.5	c.a.p.
704.3	326298.3	-64589.4	-0.0	141.2	15.5		-0.2	78.6	c.a.p.
742.9	326035.8	-64537.5	-0.0	132.2	24.3		-0.4	78.6	c.a.p.
781.4	325714.9	-64473.9	-0.0	121.3	35.1		-0.5	78.7	c.a.p.
820.0	325335.7	-64398.9	-0.0	108.4	47.8		-0.7	78.8	c.a.p.
858.6	324898.0	-64312.3	-0.0	93.5	62.5		-0.9	78.9	c.a.p.
897.1	313376.2	-59910.2	-0.0	81.7	68.8		-1.2	76.5	c.a.p.
935.7	264291.3	-41133.6	-0.0	84.9	42.0		-1.7	65.2	c.a.p.
974.3	263909.0	-41074.1	-0.0	64.0	62.8		-2.1	65.5	c.a.p.
1012.9	263490.4	-41009.0	-0.0	41.1	85.5		-2.5	65.8	c.a.p.
1051.4									
1090.0									


TENSIONI DI 3° FASE S.L.E. Quasi permanente (SEZ MISTA) (cm, kg, daNm, daN/cm²)

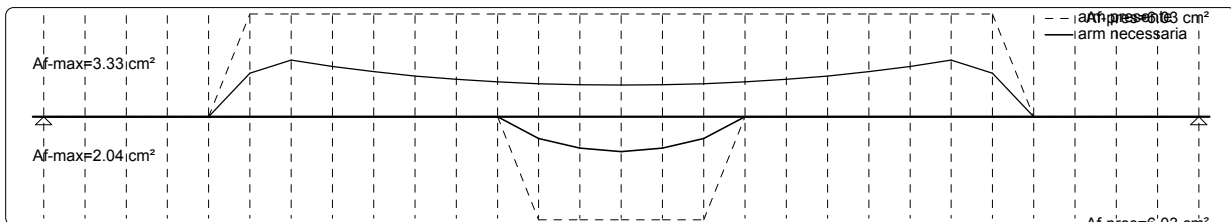
X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6'trf	
10.0										
48.6										
87.1	263490.4	-41009.0	-0.0	41.1	85.5		-2.5	65.8	11633.1	c.a.p.
125.7	263909.0	-41074.1	-0.0	64.0	62.8		-2.1	65.5	11659.4	c.a.p.
164.3	264291.3	-41133.6	-0.0	84.9	42.0		-1.7	65.2	11683.4	c.a.p.
202.9	313376.2	-59910.2	-0.0	81.7	68.8		-1.2	76.5	11099.8	c.a.p.
241.4	324898.0	-64312.3	-0.0	93.5	62.5		-0.9	78.9	10969.7	c.a.p.
280.0	325335.7	-64398.9	-0.0	108.4	47.8		-0.7	78.8	10990.9	c.a.p.
318.6	325714.9	-64473.9	-0.0	121.3	35.1		-0.5	78.7	11009.3	c.a.p.
357.1	326035.8	-64537.5	-0.0	132.2	24.3		-0.4	78.6	11024.9	c.a.p.
395.7	326298.3	-64589.4	-0.0	141.2	15.5		-0.2	78.6	11037.6	c.a.p.
434.3	326502.5	-64629.9	-0.0	148.1	8.7		-0.1	78.5	11047.5	c.a.p.
472.9	326648.4	-64658.7	-0.0	153.1	3.8		-0.1	78.5	11054.6	c.a.p.
511.4	326735.9	-64676.0	-0.0	156.1	0.8		-0.0	78.5	11058.8	c.a.p.
550.0	326765.1	-64681.8	-0.0	157.1	-0.1		-0.0	78.5	11060.2	c.a.p.
588.6	326735.9	-64676.0	-0.0	156.1	0.8		-0.0	78.5	11058.8	c.a.p.
627.1	326648.4	-64658.7	-0.0	153.1	3.8		-0.1	78.5	11054.6	c.a.p.
665.7	326502.5	-64629.9	-0.0	148.1	8.7		-0.1	78.5	11047.5	c.a.p.
704.3	326298.3	-64589.4	-0.0	141.2	15.5		-0.2	78.6	11037.6	c.a.p.
742.9	326035.8	-64537.5	-0.0	132.2	24.3		-0.4	78.6	11024.9	c.a.p.
781.4	325714.9	-64473.9	-0.0	121.3	35.1		-0.5	78.7	11009.3	c.a.p.
820.0	325335.7	-64398.9	-0.0	108.4	47.8		-0.7	78.8	10990.9	c.a.p.
858.6	324898.0	-64312.3	-0.0	93.5	62.5		-0.9	78.9	10969.7	c.a.p.
897.1	313376.2	-59910.2	-0.0	81.7	68.8		-1.2	76.5	11099.8	c.a.p.
935.7	264291.3	-41133.6	-0.0	84.9	42.0		-1.7	65.2	11683.4	c.a.p.
974.3	263909.0	-41074.1	-0.0	64.0	62.8		-2.1	65.5	11659.4	c.a.p.
1012.9	263490.4	-41009.0	-0.0	41.1	85.5		-2.5	65.8	11633.1	c.a.p.
1051.4										
1090.0										


TENSIONI DI 3° FASE S.L.E. Rara (SEZ MISTA) (cm, kg, daNm, daN/cm²)

X	Nprec	Mxprec	Myprec	6sup/6f	6inf/6f	6sol	6't	6'c	6'trf	
10.0										
48.6										
87.1	263490.4	-41009.0	-0.0	46.1	80.5		-3.0	66.2	11635.1	c.a.p.
125.7	263909.0	-41074.1	-0.0	71.2	55.6		-2.5	65.9	11662.3	c.a.p.
164.3	264291.3	-41133.6	-0.0	94.1	32.8		-2.1	65.5	11687.1	c.a.p.
202.9	313376.2	-59910.2	-0.0	92.8	57.7		-1.4	76.7	11105.2	c.a.p.
241.4	324898.0	-64312.3	-0.0	106.1	49.9		-1.1	79.1	10976.1	c.a.p.
280.0	325335.7	-64398.9	-0.0	122.5	33.8		-0.8	79.0	10998.0	c.a.p.
318.6	325714.9	-64473.9	-0.0	136.6	19.8		-0.6	78.8	11017.0	c.a.p.
357.1	326035.8	-64537.5	-0.0	148.6	8.0		-0.4	78.7	11033.1	c.a.p.
395.7	326298.3	-64589.4	-0.0	158.4	-1.7		-0.3	78.6	11046.3	c.a.p.
434.3	326502.5	-64629.9	-0.0	166.0	-9.2		-0.2	78.6	11056.5	c.a.p.
472.9	326648.4	-64658.7	-0.0	171.5	-14.6		-0.1	78.5	11063.9	c.a.p.
511.4	326735.9	-64676.0	-0.0	174.7	-17.8		-0.0	78.5	11068.2	c.a.p.
550.0	326765.1	-64681.8	-0.0	175.8	-18.9		-0.0	78.5	11069.7	c.a.p.
588.6	326735.9	-64676.0	-0.0	174.7	-17.8		-0.0	78.5	11068.2	c.a.p.
627.1	326648.4	-64658.7	-0.0	171.5	-14.6		-0.1	78.5	11063.9	c.a.p.
665.7	326502.5	-64629.9	-0.0	166.0	-9.2		-0.2	78.6	11056.5	c.a.p.
704.3	326298.3	-64589.4	-0.0	158.4	-1.7		-0.3	78.6	11046.3	c.a.p.
742.9	326035.8	-64537.5	-0.0	148.6	8.0		-0.4	78.7	11033.1	c.a.p.
781.4	325714.9	-64473.9	-0.0	136.6	19.8		-0.6	78.8	11017.0	c.a.p.
820.0	325335.7	-64398.9	-0.0	122.5	33.8		-0.8	79.0	10998.0	c.a.p.
858.6	324898.0	-64312.3	-0.0	106.1	49.9		-1.1	79.1	10976.1	c.a.p.
897.1	313376.2	-59910.2	-0.0	92.8	57.7		-1.4	76.7	11105.2	c.a.p.
935.7	264291.3	-41133.6	-0.0	94.1	32.8		-2.1	65.5	11687.1	c.a.p.
974.3	263909.0	-41074.1	-0.0	71.2	55.6		-2.5	65.9	11662.3	c.a.p.
1012.9	263490.4	-41009.0	-0.0	46.1	80.5		-3.0	66.2	11635.1	c.a.p.
1051.4										
1090.0										

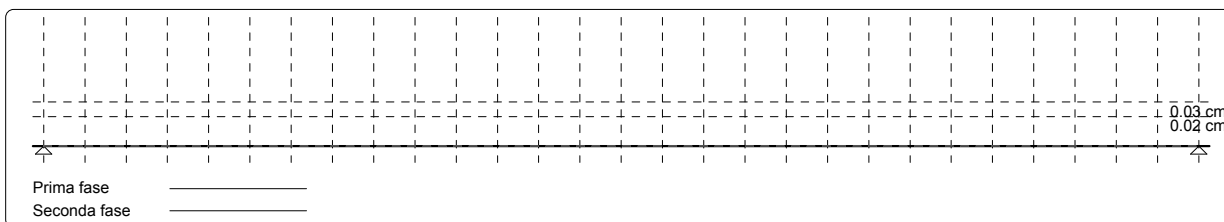


Armatura lenta ausiliaria												
ARM SUP (FASE 0)					ARM INF (FASE 3)				ARM SUP (FASE 3)			
X	6sup	Traz	Afn	Afp	6inf	Traz	Afn	Afp	6sup	Traz	Afn	Afp
10.0	0.0	*****	*****		0.0	*****	*****		*****	c.a.p.p.	*****	
48.6	0.0	*****	*****		0.0	*****	*****		*****	c.a.p.p.	*****	
87.1	-5.9	*****	*****		80.5	*****	*****		46.1	*****	*****	
125.7	-2.8	*****	*****		55.6	*****	*****		71.2	*****	*****	
164.3	-0.0	*****	*****		32.8	*****	*****		94.1	*****	*****	
202.9	-26.1	-5723.8	2.55	6.03	57.7	*****	*****		92.8	*****	*****	
241.4	-30.9	-7468.7	3.33	6.03	49.9	*****	*****		106.1	*****	*****	
280.0	-28.9	-6630.3	2.95	6.03	33.8	*****	*****		122.5	*****	*****	
318.6	-27.2	-5934.8	2.64	6.03	19.8	*****	*****		136.6	*****	*****	
357.1	-25.7	-5370.0	2.39	6.03	8.0	*****	*****		148.6	*****	*****	
395.7	-24.5	-4924.4	2.19	6.03	-1.7	*****	*****		158.4	*****	*****	
434.3	-23.6	-4588.5	2.04	6.03	-9.2	*****	*****		166.0	*****	*****	
472.9	-22.9	-4354.5	1.94	6.03	-14.6	-2340.3	1.27	6.03	171.5	*****	*****	
511.4	-22.5	-4216.4	1.88	6.03	-17.8	-3369.8	1.84	6.03	174.7	*****	*****	
550.0	-22.3	-4170.8	1.86	6.03	-18.9	-3746.1	2.04	6.03	175.8	*****	*****	
588.6	-22.5	-4216.4	1.88	6.03	-17.8	-3369.8	1.84	6.03	174.7	*****	*****	
627.1	-22.9	-4354.5	1.94	6.03	-14.6	-2340.3	1.27	6.03	171.5	*****	*****	
665.7	-23.6	-4588.5	2.04	6.03	-9.2	*****	*****		166.0	*****	*****	
704.3	-24.5	-4924.4	2.19	6.03	-1.7	*****	*****		158.4	*****	*****	
742.9	-25.7	-5370.0	2.39	6.03	8.0	*****	*****		148.6	*****	*****	
781.4	-27.2	-5934.8	2.64	6.03	19.8	*****	*****		136.6	*****	*****	
820.0	-28.9	-6630.3	2.95	6.03	33.8	*****	*****		122.5	*****	*****	
858.6	-30.9	-7468.7	3.33	6.03	49.9	*****	*****		106.1	*****	*****	
897.1	-26.1	-5723.8	2.55	6.03	57.7	*****	*****		92.8	*****	*****	
935.7	-0.0	*****	*****		32.8	*****	*****		94.1	*****	*****	
974.3	-2.8	*****	*****		55.6	*****	*****		71.2	*****	*****	
1012.9	-5.9	*****	*****		80.5	*****	*****		46.1	*****	*****	
1051.4	0.0	*****	*****		0.0	*****	*****		*****	c.a.p.p.	*****	
1090.0	0.0	*****	*****		0.0	*****	*****		*****	c.a.p.p.	*****	

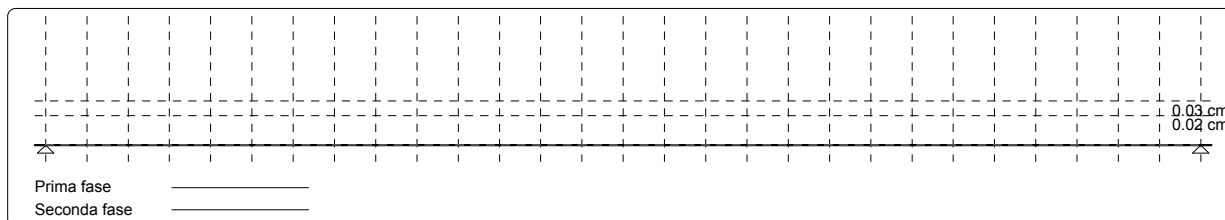


Verifiche a fessurazione**FESSURAZIONE S.L.E. Quasi permanente (cm, daNm)**

X	Mfess1 v	Mfess1 o	Eta1/Amp	Mfess2 v	Mfess2 o	Eta2/Amp
10.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
48.6	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
87.1	amp fess	no decomp		amp fess	no decomp	
125.7	amp fess	no decomp		amp fess	no decomp	
164.3	amp fess	no decomp		amp fess	no decomp	
202.9	amp fess	no decomp		amp fess	no decomp	
241.4	amp fess	no decomp		amp fess	no decomp	
280.0	amp fess	no decomp		amp fess	no decomp	
318.6	amp fess	no decomp		amp fess	no decomp	
357.1	amp fess	no decomp		amp fess	no decomp	
395.7	amp fess	no decomp		amp fess	no decomp	
434.3	amp fess	no decomp		amp fess	no decomp	
472.9	amp fess	no decomp		amp fess	no decomp	
511.4	amp fess	no decomp		amp fess	no decomp	
550.0	amp fess	no decomp		amp fess	no fess	
588.6	amp fess	no decomp		amp fess	no decomp	
627.1	amp fess	no decomp		amp fess	no decomp	
665.7	amp fess	no decomp		amp fess	no decomp	
704.3	amp fess	no decomp		amp fess	no decomp	
742.9	amp fess	no decomp		amp fess	no decomp	
781.4	amp fess	no decomp		amp fess	no decomp	
820.0	amp fess	no decomp		amp fess	no decomp	
858.6	amp fess	no decomp		amp fess	no decomp	
897.1	amp fess	no decomp		amp fess	no decomp	
935.7	amp fess	no decomp		amp fess	no decomp	
974.3	amp fess	no decomp		amp fess	no decomp	
1012.9	amp fess	no decomp		amp fess	no decomp	
1051.4	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
1090.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000

**FESSURAZIONE S.L.E. Frequente (cm, daNm)**

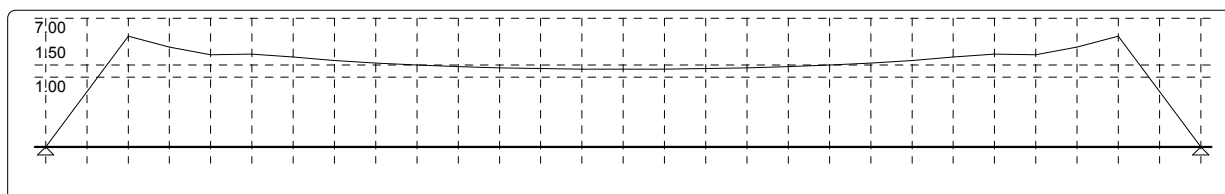
X	Mfess1 v	Mfess1 o	Eta1/Amp	Mfess2 v	Mfess2 o	Eta2/Amp
10.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
48.6	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
87.1	amp fess	no decomp		amp fess	no decomp	
125.7	amp fess	no decomp		amp fess	no decomp	
164.3	amp fess	no decomp		amp fess	no decomp	
202.9	amp fess	no decomp		amp fess	no decomp	
241.4	amp fess	no decomp		amp fess	no decomp	
280.0	amp fess	no decomp		amp fess	no decomp	
318.6	amp fess	no decomp		amp fess	no decomp	
357.1	amp fess	no decomp		amp fess	no decomp	
395.7	amp fess	no decomp		amp fess	no decomp	
434.3	amp fess	no decomp		amp fess	no decomp	
472.9	amp fess	no decomp		amp fess	no decomp	
511.4	amp fess	no decomp		amp fess	no fess	
550.0	amp fess	no decomp		amp fess	no fess	
588.6	amp fess	no decomp		amp fess	no fess	
627.1	amp fess	no decomp		amp fess	no decomp	
665.7	amp fess	no decomp		amp fess	no decomp	
704.3	amp fess	no decomp		amp fess	no decomp	
742.9	amp fess	no decomp		amp fess	no decomp	
781.4	amp fess	no decomp		amp fess	no decomp	
820.0	amp fess	no decomp		amp fess	no decomp	
858.6	amp fess	no decomp		amp fess	no decomp	
897.1	amp fess	no decomp		amp fess	no decomp	
935.7	amp fess	no decomp		amp fess	no decomp	
974.3	amp fess	no decomp		amp fess	no decomp	
1012.9	amp fess	no decomp		amp fess	no decomp	
1051.4	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000
1090.0	amp fess	c.a.p.p.	-0.000	amp fess	c.a.p.p.	-0.000



Verifiche a rottura

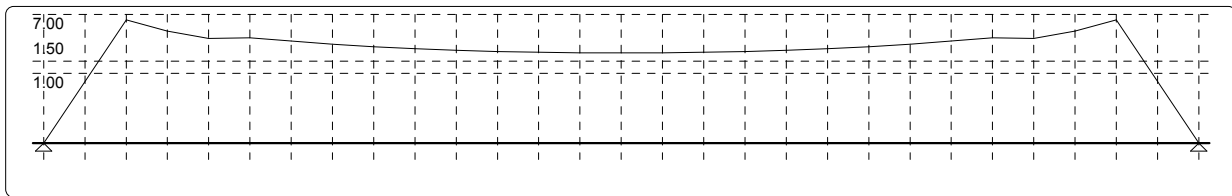
VERIFICHE DI 2° FASE (SEZIONE MISTA) (cm, kg, daNm)

X	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
10.0								
48.6								
87.1	0.0035	-0.0055	0.00	51.96	335513.1	170925.2	0.0	3.89
125.7	0.0035	-0.0055	0.00	51.97	335457.6	170906.0	0.0	2.70
164.3	0.0035	-0.0055	0.00	51.97	335407.7	170888.6	0.0	2.11
202.9	0.0035	-0.0038	0.00	51.42	414100.5	208753.8	0.0	2.15
241.4	0.0035	-0.0035	0.00	51.37	429536.4	216344.9	0.0	1.94
280.0	0.0035	-0.0029	0.00	60.03	367387.6	216226.3	0.0	1.74
318.6	0.0035	-0.0030	0.00	60.20	366155.9	216089.7	0.0	1.60
357.1	0.0035	-0.0030	0.00	60.34	365102.6	215974.1	0.0	1.50
395.7	0.0035	-0.0030	0.00	60.46	364196.3	215879.5	0.0	1.42
434.3	0.0035	-0.0036	0.00	51.45	427862.7	215806.0	0.0	1.37
472.9	0.0035	-0.0036	0.00	51.45	427700.2	215753.4	0.0	1.33
511.4	0.0035	-0.0036	0.00	51.46	427603.0	215721.8	0.0	1.31
550.0	0.0035	-0.0030	0.00	60.68	362576.1	215711.3	0.0	1.30
588.6	0.0035	-0.0036	0.00	51.46	427603.0	215721.8	0.0	1.31
627.1	0.0035	-0.0036	0.00	51.45	427700.2	215753.4	0.0	1.33
665.7	0.0035	-0.0036	0.00	51.45	427862.7	215806.0	0.0	1.37
704.3	0.0035	-0.0030	0.00	60.46	364196.3	215879.5	0.0	1.42
742.9	0.0035	-0.0030	0.00	60.34	365102.6	215974.1	0.0	1.50
781.4	0.0035	-0.0030	0.00	60.20	366155.9	216089.7	0.0	1.60
820.0	0.0035	-0.0029	0.00	60.03	367387.6	216226.3	0.0	1.74
858.6	0.0035	-0.0035	0.00	51.37	429536.4	216344.9	0.0	1.94
897.1	0.0035	-0.0038	0.00	51.42	414100.5	208753.8	0.0	2.15
935.7	0.0035	-0.0055	0.00	51.97	335407.7	170888.6	0.0	2.11
974.3	0.0035	-0.0055	0.00	51.97	335457.6	170906.0	0.0	2.70
1012.9	0.0035	-0.0055	0.00	51.96	335513.1	170925.2	0.0	3.89
1051.4								
1090.0								



VERIFICHE DI 2° FASE (SLU sisma verticale) (SEZIONE MISTA) (cm, kg, daNm)

X)	epsc	epsf	hx-int	hy-int	F	Mv-rott	Mo-rott	Eta
10.0								
48.6								
87.1	0.0035	-0.0055	0.00	51.97	335360.4	170872.2	0.0	5.85
125.7	0.0035	-0.0055	0.00	51.96	335510.4	170924.2	0.0	4.06
164.3	0.0035	-0.0055	0.00	51.97	335475.2	170911.9	0.0	3.17
202.9	0.0035	-0.0029	0.00	58.46	364610.5	208964.6	0.0	3.24
241.4	0.0035	-0.0035	0.00	51.34	430328.0	216593.8	0.0	2.92
280.0	0.0035	-0.0035	0.00	51.35	430122.6	216526.9	0.0	2.62
318.6	0.0035	-0.0029	0.00	59.55	370781.2	216469.0	0.0	2.41
357.1	0.0035	-0.0029	0.00	59.67	369935.4	216420.0	0.0	2.25
395.7	0.0035	-0.0029	0.00	59.77	369245.2	216379.9	0.0	2.14
434.3	0.0035	-0.0035	0.00	51.37	429575.4	216348.8	0.0	2.06
472.9	0.0035	-0.0035	0.00	51.37	429505.9	216326.5	0.0	2.01
511.4	0.0035	-0.0035	0.00	51.38	429465.7	216313.2	0.0	1.98
550.0	0.0035	-0.0029	0.00	59.95	368017.3	216308.7	0.0	1.97
588.6	0.0035	-0.0035	0.00	51.38	429465.7	216313.2	0.0	1.98
627.1	0.0035	-0.0035	0.00	51.37	429505.9	216326.5	0.0	2.01
665.7	0.0035	-0.0035	0.00	51.37	429575.4	216348.8	0.0	2.06
704.3	0.0035	-0.0029	0.00	59.77	369245.2	216379.9	0.0	2.14
742.9	0.0035	-0.0029	0.00	59.67	369935.4	216420.0	0.0	2.25
781.4	0.0035	-0.0029	0.00	59.55	370781.2	216469.0	0.0	2.41
820.0	0.0035	-0.0035	0.00	51.35	430122.6	216526.9	0.0	2.62
858.6	0.0035	-0.0035	0.00	51.34	430328.0	216593.8	0.0	2.92
897.1	0.0035	-0.0029	0.00	58.46	364610.5	208964.6	0.0	3.24
935.7	0.0035	-0.0055	0.00	51.97	335475.2	170911.9	0.0	3.17
974.3	0.0035	-0.0055	0.00	51.96	335510.4	170924.2	0.0	4.06
1012.9	0.0035	-0.0055	0.00	51.97	335360.4	170872.2	0.0	5.85
1051.4								
1090.0								

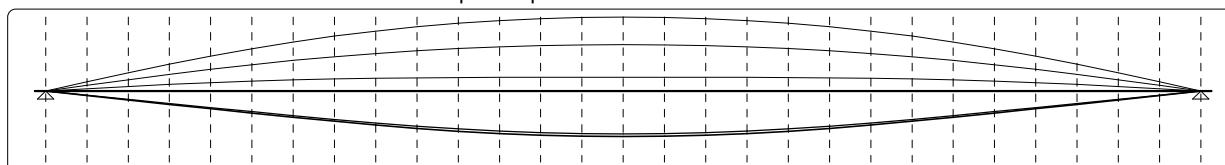


DEFORMAZIONE S.L.E. Frequente (cm)

X	w0	w0'	w1	w0'+1	w2	w0'+1+2	w3	wtot
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
48.6	-0.157	-0.253	0.190	-0.063	0.179	0.116	0.008	0.125
87.1	-0.313	-0.503	0.377	-0.127	0.356	0.230	0.016	0.246
125.7	-0.461	-0.741	0.558	-0.183	0.528	0.345	0.024	0.369
164.3	-0.601	-0.964	0.732	-0.232	0.692	0.460	0.032	0.492
202.9	-0.731	-1.171	0.896	-0.275	0.847	0.572	0.039	0.611
241.4	-0.849	-1.357	1.048	-0.310	0.991	0.682	0.045	0.727
280.0	-0.952	-1.521	1.186	-0.335	1.122	0.787	0.051	0.838
318.6	-1.041	-1.661	1.309	-0.353	1.238	0.885	0.057	0.942
357.1	-1.116	-1.780	1.415	-0.365	1.339	0.974	0.061	1.035
395.7	-1.178	-1.876	1.504	-0.373	1.422	1.050	0.065	1.115
434.3	-1.225	-1.951	1.573	-0.378	1.488	1.111	0.068	1.179
472.9	-1.259	-2.004	1.624	-0.381	1.536	1.156	0.070	1.226
511.4	-1.279	-2.036	1.654	-0.382	1.565	1.183	0.072	1.254
550.0	-1.286	-2.047	1.664	-0.382	1.575	1.192	0.072	1.264
588.6	-1.279	-2.036	1.654	-0.382	1.565	1.183	0.072	1.254
627.1	-1.259	-2.004	1.624	-0.381	1.536	1.156	0.070	1.226
665.7	-1.225	-1.951	1.573	-0.378	1.488	1.111	0.068	1.179
704.3	-1.178	-1.876	1.504	-0.373	1.422	1.050	0.065	1.115
742.9	-1.116	-1.780	1.415	-0.365	1.339	0.974	0.061	1.035
781.4	-1.041	-1.661	1.309	-0.353	1.238	0.885	0.057	0.942
820.0	-0.952	-1.521	1.186	-0.335	1.122	0.787	0.051	0.838
858.6	-0.849	-1.357	1.048	-0.310	0.991	0.682	0.045	0.727
897.1	-0.731	-1.171	0.896	-0.275	0.847	0.572	0.039	0.611
935.7	-0.601	-0.964	0.732	-0.232	0.692	0.460	0.032	0.492
974.3	-0.461	-0.741	0.558	-0.183	0.528	0.345	0.024	0.369
1012.9	-0.313	-0.503	0.377	-0.127	0.356	0.230	0.016	0.246
1051.4	-0.157	-0.253	0.190	-0.063	0.179	0.116	0.008	0.125
1090.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Le deformazioni di fase 0', 1, 2 e 3 sono moltiplicate per il coefficiente di viscosità

Le deformazioni di fase 0 sono calcolate con la precompressione iniziale

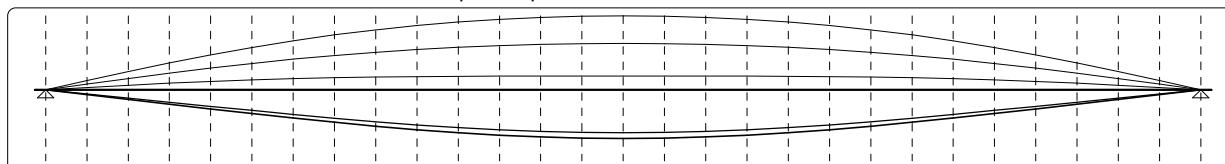


DEFORMAZIONE S.L.E. Rara (cm)

X	w0	w0'	w1	w0'+1	w2	w0'+1+2	w3	wtot
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
48.6	-0.157	-0.253	0.190	-0.063	0.179	0.116	0.018	0.134
87.1	-0.313	-0.503	0.377	-0.127	0.356	0.230	0.035	0.265
125.7	-0.461	-0.741	0.558	-0.183	0.528	0.345	0.052	0.398
164.3	-0.601	-0.964	0.732	-0.232	0.692	0.460	0.069	0.529
202.9	-0.731	-1.171	0.896	-0.275	0.847	0.572	0.084	0.656
241.4	-0.849	-1.357	1.048	-0.310	0.991	0.682	0.098	0.780
280.0	-0.952	-1.521	1.186	-0.335	1.122	0.787	0.111	0.899
318.6	-1.041	-1.661	1.309	-0.353	1.238	0.885	0.123	1.008
357.1	-1.116	-1.780	1.415	-0.365	1.339	0.974	0.133	1.107
395.7	-1.178	-1.876	1.504	-0.373	1.422	1.050	0.141	1.191
434.3	-1.225	-1.951	1.573	-0.378	1.488	1.111	0.148	1.259
472.9	-1.259	-2.004	1.624	-0.381	1.536	1.156	0.153	1.308
511.4	-1.279	-2.036	1.654	-0.382	1.565	1.183	0.156	1.338
550.0	-1.286	-2.047	1.664	-0.382	1.575	1.192	0.156	1.349
588.6	-1.279	-2.036	1.654	-0.382	1.565	1.183	0.156	1.338
627.1	-1.259	-2.004	1.624	-0.381	1.536	1.156	0.153	1.308
665.7	-1.225	-1.951	1.573	-0.378	1.488	1.111	0.148	1.259
704.3	-1.178	-1.876	1.504	-0.373	1.422	1.050	0.141	1.191
742.9	-1.116	-1.780	1.415	-0.365	1.339	0.974	0.133	1.107
781.4	-1.041	-1.661	1.309	-0.353	1.238	0.885	0.123	1.008
820.0	-0.952	-1.521	1.186	-0.335	1.122	0.787	0.111	0.899
858.6	-0.849	-1.357	1.048	-0.310	0.991	0.682	0.098	0.780
897.1	-0.731	-1.171	0.896	-0.275	0.847	0.572	0.084	0.656
935.7	-0.601	-0.964	0.732	-0.232	0.692	0.460	0.069	0.529
974.3	-0.461	-0.741	0.558	-0.183	0.528	0.345	0.052	0.398
1012.9	-0.313	-0.503	0.377	-0.127	0.356	0.230	0.035	0.265
1051.4	-0.157	-0.253	0.190	-0.063	0.179	0.116	0.018	0.134
1090.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Le deformazioni di fase 0', 1 e 2 sono moltiplicate per il coefficiente di viscosità

Le deformazioni di fase 0 sono calcolate con la precompressione iniziale



Verifiche a taglioAf testata= 18.79 cm² (come da normativa Af=Vmax/fywd)Area int 1° fase= 0 cm² - Spessore anulare 1° fase= 0.0 cm

Carichi appesi= 0.0 kg/m

Area int 2° fase= 0 cm² - Spessore anulare 2° fase= 0.0 cm

cotg(teta)= 1.20

VERIFICA A TAGLIO AGLI STATI LIMITE ULTIMI (cm, cm², cm, kg, daNm, cm²)

X	Af	Dx	Vsdu	Tsdu	bmin	hsez	Af teor	Af long	μ	Vs/Vr+Ts/Tr	Vsdu1
10.0	2.26	7.5	62492.0	0.0	50.0	76.0	1.43	0.00	1.58		17057.9
48.6	2.26	7.5	58028.3	0.0	50.0	76.0	1.33	0.00	1.70		17057.9
87.1	2.26	7.5	53564.6	0.0	50.0	76.0					107352.0
125.7	2.26	7.5	49100.9	0.0	50.0	76.0					107352.0
164.3	2.26	15.0	44637.2	0.0	50.0	76.0					107352.0
202.9	2.26	15.0	40173.5	0.0	50.0	76.0					107352.0
241.4	2.26	15.0	35709.7	0.0	50.0	76.0					107352.0
280.0	2.26	15.0	31246.0	0.0	50.0	76.0					107352.0
318.6	2.26	15.0	26782.3	0.0	50.0	76.0					107352.0
357.1	2.26	15.0	22318.6	0.0	50.0	76.0					107352.0
395.7	2.26	15.0	17854.9	0.0	50.0	76.0					107352.0
434.3	2.26	15.0	13391.2	0.0	50.0	76.0					107352.0
472.9	2.26	15.0	8927.4	0.0	50.0	76.0					107352.0
511.4	2.26	15.0	4463.7	0.0	50.0	76.0					107352.0
550.0	2.26	15.0	0.0	0.0	50.0	76.0					107352.0
588.6	2.26	15.0	4463.7	0.0	50.0	76.0					107352.0
627.1	2.26	15.0	8927.4	0.0	50.0	76.0					107352.0
665.7	2.26	15.0	13391.2	0.0	50.0	76.0					107352.0
704.3	2.26	15.0	17854.9	0.0	50.0	76.0					107352.0
742.9	2.26	15.0	22318.6	0.0	50.0	76.0					107352.0
781.4	2.26	15.0	26782.3	0.0	50.0	76.0					107352.0
820.0	2.26	15.0	31246.0	0.0	50.0	76.0					107352.0
858.6	2.26	15.0	35709.7	0.0	50.0	76.0					107352.0
897.1	2.26	15.0	40173.5	0.0	50.0	76.0					107352.0
935.7	2.26	15.0	44637.2	0.0	50.0	76.0					107352.0
974.3	2.26	7.5	49100.9	0.0	50.0	76.0					107352.0
1012.9	2.26	7.5	53564.6	0.0	50.0	76.0					107352.0
1051.4	2.26	7.5	58028.3	0.0	50.0	76.0	1.33	0.00	1.70		17057.9
1090.0	2.26	7.5	62492.0	0.0	50.0	76.0	1.43	0.00	1.58		17057.9

