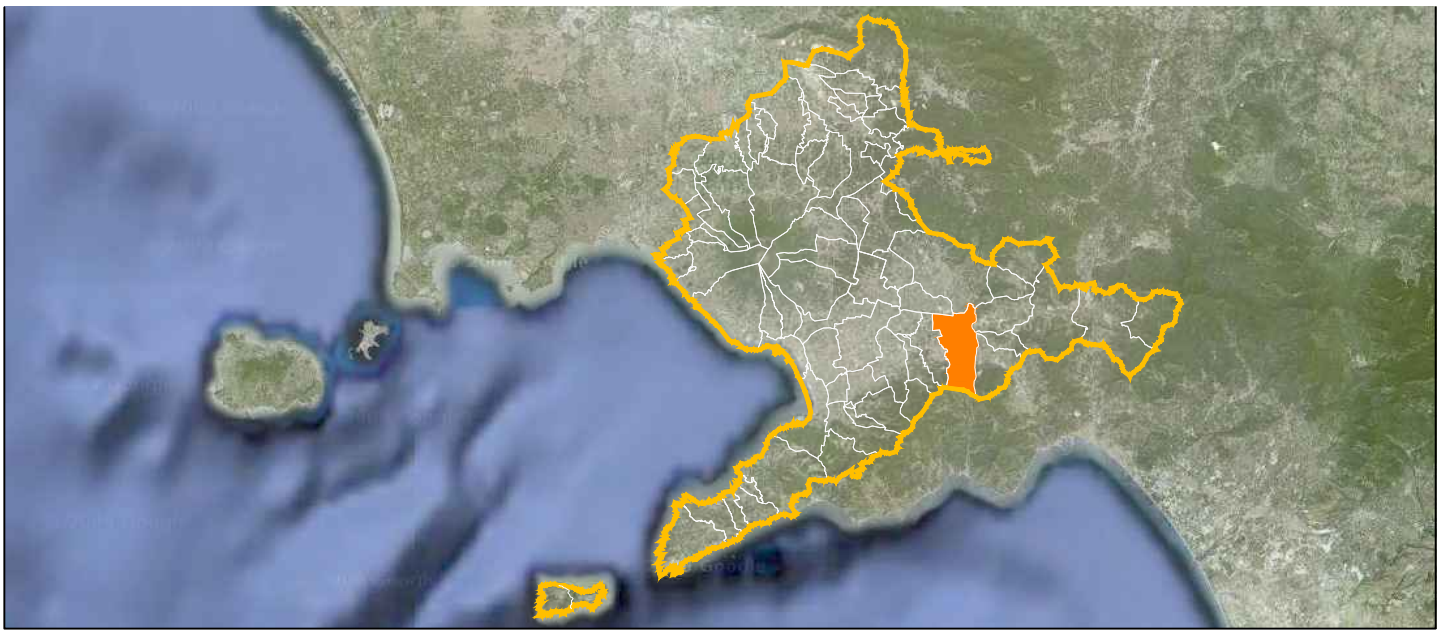
Ambito Distrettuale Sarnese Vesuviano
Legge 02/12/2015

PROTOCOLLO D'INTESA REGIONE CAMPANIA, COMUNE DI NOCERA INFERIORE,
ENTE D'AMBITO SARNESE-VESUVIANO, GORI SpA
PROT. N. 17853 DEL 19/04/2018



COMUNE DI NOCERA INFERIORE
COMPLETAMENTO DELLA RETE FOGNARIA
1° LOTTO - STRALCIO A

INT 7308

PROGETTO ESECUTIVO

Elaborato:
G1.2

Titolo:
SOLLEVAMENTO E DEVIATORE VIA SPERA
Relazione di calcolo strutturale

Scala:
//

INGEGNERIA
Il Responsabile
ing. Domenico Cesare

COLLABORATORI

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ing. Fabio Iasevoli

Revisione	Motivo della revisione	Data
0	EMISSIONE PER APPROVAZIONE	Settembre 2019

IL PROGETTISTA
ing. Domenico Cesare

IL RUP

PRO_SAP

PROfessional Structural Analysis Program

REALIZZAZIONE DI OPERE A COMPLETAMENTO DELLA RETE FOGNARIA NEL COMUNE DI NOCERA INFERIORE – 1° LOTTO - STRALCIO A

CODICE INTERVENTO – INT 7308

SOLLEVAMENTO E DERIVAZIONE IN VIA M. SPERA

Relazione di Calcolo Strutturale

Il progettista strutturale

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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. Il presente documento riassume i principali aspetti connessi alla progettazione strutturale delle opere a completamento della rete fognaria del comune di Nocera Inferiore.
In particolare le opere di seguito descritte sono atte alla realizzazione di una struttura scatolare in conglomerato cementizio armato per l'alloggiamento di un impianto di sollevamento e derivazione delle acque reflue. La struttura sarà posta in via M. Spera.

DESCRIZIONE GENERALE DELL'OPERA

Il presente documento riassume i principali aspetti connessi alla progettazione strutturale di un impianto scatolare atto a ospitare un impianto di sollevamento e derivazione delle acque reflue. La struttura per l'alloggiamento dell'impianto di sollevamento, interamente in c.c.a., ha forma rettangolare di dimensioni in pianta pari a circa 5.00x3.10m, circondata da una paratia di pali di diametro 40 cm e di lunghezza 7.20 m, posti a interasse di 50 cm, sormontati da un cordolo di dimensioni 50x50. Le specifiche del calcolo per il progetto della paratia sono riportate nell'elaborato di competenza. La vasca è costituita da pareti di spessore di 20 cm, ed è internamente frazionata da un setto verticale, che la divide in due ambienti posti a quote differenti; in quello posto a quota inferiore, in cui scarica la condotta in arrivo, sono alloggiate le pompe per il sollevamento delle acque reflue, nell'ambiente posto a quota superiore prosegue la condotta che, partendo dalle pompe, indirizza l'acqua nella condotta fognaria principale. I gusci di fondazione, di spessore 50cm, sono posti a circa quota -4.70m e -3.30m. la scelta del piano di posa della fondazione è dettata esigenze di tipo idraulico, verificate con la resistenza meccanica dei primi strati di terreno e dalle caratteristiche di rigidezza e resistenza della struttura. La piastra di copertura ha spessore 30cm.
Questa struttura scatolare è collegata, tramite un tubo di derivazione, a un'altra struttura scatolare in c.c.a. di dimensioni 1.80x1.80m, denominata manufatto di derivazione. Le pareti di questa struttura hanno spessore 20cm, la platea di 50cm e la copertura di 30cm. Anche la vasca di derivazione è cerchiata da una paratia di contenimento, di specifiche analoghe a quelle precedentemente riportate e il cui calcolo è riportato nell'elaborato di competenze. I dati di progetto di riferimento, localizzazione e tipo di costruzione sono riportati nelle seguenti tabelle.

Principali caratteristiche della struttura	
Struttura regolare in pianta	No
Struttura regolare in altezza	No
Classe di duttilità	B

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

III	50.0	1.5	75.0

VALUTAZIONE DEL FATTORE DI STRUTTURA SECONDO IL D.M. 17/01/2018

La nuova costruzione è caratterizzata da non regolarità sia in pianta sia in altezza ed è progettata in classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo

Tipologia strutturale: altre tipologie

Valore base fattore q_0 = 1.500

Fattore di regolarità K_R = 1.0

Fattore dissipativo $q_D = q_0 \bullet K_R$ = 1.500

Fattori di comportamento utilizzati Dissipativi

q SLU x: 1.500 q SLU y: 1.500 q SLU z: 1.500

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 sulle costruzioni. Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica.* La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L’analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L’analisi strutturale è condotta con il metodo dell’analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi

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

K*u = F dove **K** = matrice di rigidezza
u = vettore spostamenti nodali
F = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.
Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.
Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

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

Modello numerico

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

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

Non linearità geometriche (fattore P delta)	NO

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

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	PROFESSIONAL (build 2018-06-182)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara
Dati utente finale:	Ing. Iasevoli Fabio
Codice utente	Ing. Iasevoli Fabio
Codice Licenza:	Licenza dsi3773

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

Affidabilità dei codici utilizzati
2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: http://www.2si.it/Software/Affidabilità.htm

Scatolare di Sollevamento

Modellazione della geometria e proprietà meccaniche:	
nodi	1168
elementi D2 (per aste, travi, pilastri…)	0
elementi D3 (per pareti, platee, gusci…)	1149
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	-0.00
Xmax =	500.00
Ymin =	0.00
Ymax =	310.00
Zmin =	-470.00
Zmax =	-50.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	NO
Gusci	SI

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

Vasca per alloggiamento impianto di derivazione

Modellazione della geometria e proprietà meccaniche:	
nodi	299
elementi D2 (per aste, travi, pilastri…)	0
elementi D3 (per pareti, platee, gusci…)	303
elementi solaio	0
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	150.00
Ymin =	0.00
Ymax =	150.00
Zmin =	-300.00
Zmax =	0.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	NO
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	NO
Gusci	SI
Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	NO
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	NO
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	SI
Fondazioni con elementi solidi	NO

Modellazione delle azioni

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

Combinazioni e/o percorsi di carico

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

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	NO
Combinazione quasi permanente (SLE)	NO
SLA (accidentale quale incendio)	NO

Principali risultati
I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta. 2.8.1. Risultati dell'analisi modale Viene riportato il tipo di analisi modale condotta, restituiti i risultati della stessa e valutate le informazioni desumibili in merito al comportamento della struttura. 2.8.2. Deformate e sollecitazioni per condizioni di carico Vengono riportati i principali risultati atti a descrivere il comportamento della struttura, in termini di stati di sollecitazione e di deformazione generalizzata, distinti per condizione elementare di carico o per combinazioni omogenee delle stesse. 2.8.3. Inviluppo delle sollecitazioni maggiormente significative. L'analisi e la restituzione degli inviluppi (nelle combinazioni considerate agli SLU e agli SLE) delle caratteristiche di sollecitazione devono essere finalizzate alla valutazione dello stato di sollecitazione nei diversi elementi della struttura. 2.8.4. Reazioni vincolari Vengono riportate le reazioni dei vincoli nelle singole condizioni di carico e/o nelle combinazioni considerate. 2.8.5. Altri risultati significativi

Nella presente parte vengono riportati tutti gli altri risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura.
La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:
per i dati in ingresso:

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

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

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

per il progetto-verifica degli elementi:

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

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

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

Verifiche agli stati limite ultimi

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

Verifiche agli stati limite di esercizio

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

RELAZIONE SUI MATERIALI

Il capitolo Materiali riportata informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo. Ulteriori informazioni sono riportate nella relazione generale nel capitolo inerente la caratterizzazione dei materiali impiegati.

NORMATIVA DI RIFERIMENTO

D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
D.Min.Infrastrutture Min. Interni e Prot. Civile 14 Gennaio 2008 e allegate "Norme tecniche per le costruzioni".
D.Min.Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
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".
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>>".
D.M.LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
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.
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.
D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
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”.
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”.
D.M. LL.PP. 3 Dicembre 1987 “Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate”.
UNI 9502 -Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
Ordinanza del Presidente del Consiglio dei Ministrin. 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.
UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
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.
UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.

UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.

UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.

UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali eregole per gli edifici.

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.

UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regoleper gli edifici.

UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione deicollegamenti.

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.

UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regolegenerali e regole per i ponti.

UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali – Regolecomuni e regole per gli edifici.

UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.

UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali perstrutture di muratura armata e non armata.

UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolosemplificato per strutture di muratura non armata.

UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.

UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regolegenerali, azioni sismiche e regole per gli edifici.

UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione eadeguamento degli edifici.

UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

CIRCOLARE esplicativa n. 7 del 19 gennaio 2019.

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
Poisson	coefficiente di contrazione trasversale
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica

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

1	cemento armato		
		Rck	resistenza caratteristica cubica
		Fctm	resistenza media a trazione semplice
2	acciaio		
		Ft	tensione di rottura a trazione
		Fy	tensione di snervamento
		Fd	resistenza di calcolo
		Fdt	resistenza di calcolo per spess. t>40 mm
		Sadm	tensione ammissibile
		Sadmt	tensione ammissibile per spess. t>40 mm

Vengono inoltre riportate le tabelle conteneti 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

Id	Tipo / Note	V. caratt.	V. medio	Young	Poisson	G	Gamma	Alfa	Altri
		daN/cm2	daN/cm2	daN/cm2		daN/cm2	daN/cm3		
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						
	Coefficiente ksb								0.85
	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	Parete sismica	Singolo elemento FONDAZIONE	Singolo elemento	Parete sismica		
Armatura						
Inclinazione Av [gradi]	90.00	90.00	90.00	90.00		
Angolo Av-Ao [gradi]	90.00	90.00	90.00	90.00		
Minima tesa	0.25	0.25	0.25	0.25		
Massima tesa	4.00	4.00	4.00	4.00		
Maglia unica centrale	No	No	No	No		
Unico strato verticale	No	No	No	No		
Unico strato orizzontale	No	No	No	No		
Copriferro [cm]	5.00	3.00	2.50	2.50		
Maglia V						
diametro	14	12	16	16		
passo	20	25	15	15		
diametro aggiuntivi	14	12	16	16		
Maglia O						
diametro	14	8	16	16		
passo	30	25	15	15		
diametro aggiuntivi	14	8	16	16		
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50		
Fattore di confidenza FC	0.0	0.0	0.0	0.0		
Verifiche con N costante	Si	Si	Si	Si		
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50		
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00		
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0	1.50	0.0	0.0		
Hcrit. par. 7.4.4.5.1 [cm]	250.00	0.0	0.0	250.00		
Hcrit. par. 7.4.6.1.4 [cm]	0.0	0.0	0.0	0.0		
Diagramma inviluppo taglio	Si	No	No	Si		
Vincolo lati	nessun lato	nessun lato	nessun lato	nessun lato		
Verifica come fascia	No	No	No	No		
Diametro di estremità	0	0	0	0		
Zona confinata						
Minima tesa	1.00	1.00	1.00	1.00		
Massima tesa	4.00	4.00	4.00	4.00		
Distanza barre [cm]	2.00	2.00	2.00	2.00		
Interferro	2	2	2	2		
Armatura inclinata						
Area barre [cm2]	0.0	0.0	0.0	0.0		
Angolo orizzontale [gradi]	0.0	0.0	0.0	0.0		
Distanza di base [cm]	0.0	0.0	0.0	0.0		

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Resistenza al fuoco						
3- intradosso	No	No	No	No		
3+ estradosso	No	No	No	No		
Tempo di esposizione R	15	15	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	0.0	0.0		
Angolo Ax-Ay [gradi]	90.00	90.00	90.00	90.00		
Minima tesa	0.10	0.10	0.31	0.10		
Massima tesa	0.78	0.78	0.78	0.78		
Maglia unica centrale	No	No	No	No		
Copriferro [cm]	5.00	3.00	2.00	5.00		
Maglia x						
diametro	14	16	16	16		
passo	20	20	20	20		
diametro aggiuntivi	14	16	16	16		
Maglia y						
diametro	14	16	16	16		
passo	20	20	20	20		
diametro aggiuntivi	14	16	16	16		
Stati limite ultimi						
Tensione fy [daN/cm2]	4500.00	4500.00	4500.00	4500.00		
Tipo acciaio	tipo C	tipo C	tipo C	tipo C		
Coefficiente gamma s	1.15	1.15	1.15	1.15		
Coefficiente gamma c	1.50	1.50	1.50	1.50		
Fattore di confidenza FC	0.0	0.0	0.0	0.0		
Verifiche con N costante	Si	Si	Si	Si		
Applica SLU da DIN	No	No	No	No		
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50	97.50	97.50	97.50		
Tensione amm. acciaio [daN/cm2]	2600.00	2600.00	2600.00	2600.00		
Rapporto omogeneizzazione N	15.00	15.00	15.00	15.00		
Massimo rapporto area compressa/tesa	1.00	1.00	1.00	1.00		
Resistenza al fuoco						
3- intradosso	No	No	No	No		
3+ estradosso	No	No	No	No		
Tempo di esposizione R	15	15	15	15		

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

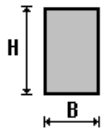
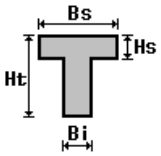
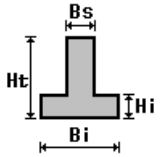
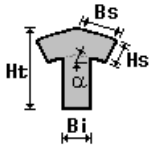
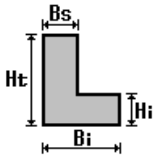
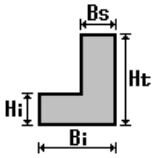
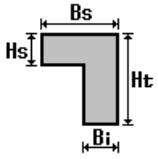
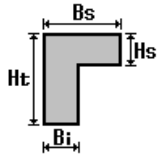
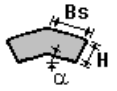
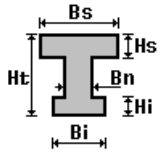
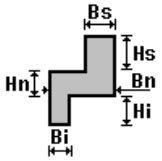
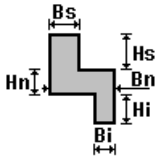
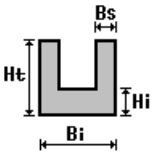
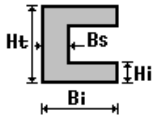
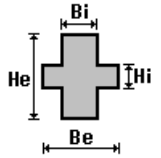
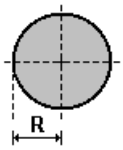
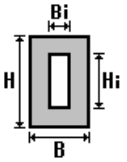
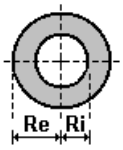
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

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

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

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

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

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

Per quanto concerne le sezioni di tipo generico (tipo 1.):

i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

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

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap. 7.10 del D.M. 17/01/18

Vasca per alloggiamento impianto di sollevamento

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	0.0	-470.0	2	29.0	0.0	-470.0	3	58.0	0.0	-470.0
4	87.0	0.0	-470.0	5	116.0	0.0	-470.0	6	145.0	0.0	-470.0
7	174.0	0.0	-470.0	8	203.0	0.0	-470.0	9	232.0	0.0	-470.0
10	261.0	0.0	-470.0	11	290.0	0.0	-470.0	12	0.0	29.0	-470.0
13	29.0	29.0	-470.0	14	58.0	29.0	-470.0	15	87.0	29.0	-470.0
16	116.0	29.0	-470.0	17	145.0	29.0	-470.0	18	174.0	29.0	-470.0
19	203.0	29.0	-470.0	20	232.0	29.0	-470.0	21	261.0	29.0	-470.0
22	290.0	29.0	-470.0	23	0.0	58.0	-470.0	24	29.0	58.0	-470.0
25	58.0	58.0	-470.0	26	87.0	58.0	-470.0	27	116.0	58.0	-470.0
28	145.0	58.0	-470.0	29	174.0	58.0	-470.0	30	203.0	58.0	-470.0
31	232.0	58.0	-470.0	32	261.0	58.0	-470.0	33	290.0	58.0	-470.0
34	0.0	87.0	-470.0	35	29.0	87.0	-470.0	36	58.0	87.0	-470.0
37	87.0	87.0	-470.0	38	116.0	87.0	-470.0	39	145.0	87.0	-470.0
40	174.0	87.0	-470.0	41	203.0	87.0	-470.0	42	232.0	87.0	-470.0
43	261.0	87.0	-470.0	44	290.0	87.0	-470.0	45	0.0	116.0	-470.0
46	29.0	116.0	-470.0	47	58.0	116.0	-470.0	48	87.0	116.0	-470.0
49	116.0	116.0	-470.0	50	145.0	116.0	-470.0	51	174.0	116.0	-470.0
52	203.0	116.0	-470.0	53	232.0	116.0	-470.0	54	261.0	116.0	-470.0
55	290.0	116.0	-470.0	56	0.0	145.0	-470.0	57	29.0	145.0	-470.0
58	58.0	145.0	-470.0	59	87.0	145.0	-470.0	60	116.0	145.0	-470.0
61	145.0	145.0	-470.0	62	174.0	145.0	-470.0	63	203.0	145.0	-470.0
64	232.0	145.0	-470.0	65	261.0	145.0	-470.0	66	290.0	145.0	-470.0
67	0.0	174.0	-470.0	68	29.0	174.0	-470.0	69	58.0	174.0	-470.0
70	87.0	174.0	-470.0	71	116.0	174.0	-470.0	72	145.0	174.0	-470.0
73	174.0	174.0	-470.0	74	203.0	174.0	-470.0	75	232.0	174.0	-470.0
76	261.0	174.0	-470.0	77	290.0	174.0	-470.0	78	0.0	192.5	-470.0
79	29.0	192.5	-470.0	80	58.0	192.5	-470.0	81	87.0	192.5	-470.0
82	116.0	192.5	-470.0	83	145.0	192.5	-470.0	84	174.0	192.5	-470.0
85	203.0	192.5	-470.0	86	232.0	192.5	-470.0	87	261.0	192.5	-470.0
88	290.0	192.5	-470.0	89	0.0	203.0	-470.0	90	29.0	203.0	-470.0
91	58.0	203.0	-470.0	92	87.0	203.0	-470.0	93	116.0	203.0	-470.0
94	145.0	203.0	-470.0	95	174.0	203.0	-470.0	96	203.0	203.0	-470.0

97	232.0	203.0	-470.0	98	261.0	203.0	-470.0	99	290.0	203.0	-470.0
100	0.0	232.0	-470.0	101	29.0	232.0	-470.0	102	58.0	232.0	-470.0
103	87.0	232.0	-470.0	104	116.0	232.0	-470.0	105	145.0	232.0	-470.0
106	174.0	232.0	-470.0	107	203.0	232.0	-470.0	108	232.0	232.0	-470.0
109	261.0	232.0	-470.0	110	290.0	232.0	-470.0	111	0.0	261.0	-470.0
112	29.0	261.0	-470.0	113	58.0	261.0	-470.0	114	87.0	261.0	-470.0
115	116.0	261.0	-470.0	116	145.0	261.0	-470.0	117	174.0	261.0	-470.0
118	203.0	261.0	-470.0	119	232.0	261.0	-470.0	120	261.0	261.0	-470.0
121	290.0	261.0	-470.0	122	0.0	277.5	-470.0	123	290.0	277.5	-470.0
124	261.0	278.7	-470.0	125	232.0	280.0	-470.0	126	203.0	281.2	-470.0
127	174.0	282.5	-470.0	128	145.0	283.7	-470.0	129	116.0	285.0	-470.0
130	87.0	286.2	-470.0	131	58.0	287.5	-470.0	132	29.0	288.7	-470.0
133	0.0	290.0	-470.0	134	0.0	310.0	-470.0	135	29.0	310.0	-470.0
136	58.0	310.0	-470.0	137	87.0	310.0	-470.0	138	116.0	310.0	-470.0
139	145.0	310.0	-470.0	140	174.0	310.0	-470.0	141	203.0	310.0	-470.0
142	232.0	310.0	-470.0	143	261.0	310.0	-470.0	144	290.0	310.0	-470.0
145	0.0	0.0	-428.0	146	29.0	0.0	-428.0	147	58.0	0.0	-428.0
148	87.0	0.0	-428.0	149	116.0	0.0	-428.0	150	145.0	0.0	-428.0
151	174.0	0.0	-428.0	152	203.0	0.0	-428.0	153	232.0	0.0	-428.0
154	261.0	0.0	-428.0	155	290.0	0.0	-428.0	156	0.0	29.0	-428.0
157	290.0	29.0	-428.0	158	0.0	58.0	-428.0	159	290.0	58.0	-428.0
160	0.0	87.0	-428.0	161	290.0	87.0	-428.0	162	0.0	116.0	-428.0
163	290.0	116.0	-428.0	164	0.0	145.0	-428.0	165	290.0	145.0	-428.0
166	0.0	174.0	-428.0	167	290.0	174.0	-428.0	168	0.0	192.5	-428.0
169	290.0	192.5	-428.0	170	0.0	203.0	-428.0	171	290.0	203.0	-428.0
172	0.0	232.0	-428.0	173	290.0	232.0	-428.0	174	0.0	261.0	-428.0
175	290.0	261.0	-428.0	176	0.0	277.5	-428.0	177	290.0	277.5	-428.0
178	0.0	290.0	-428.0	179	0.0	310.0	-428.0	180	29.0	310.0	-428.0
181	58.0	310.0	-428.0	182	87.0	310.0	-428.0	183	116.0	310.0	-428.0
184	145.0	310.0	-428.0	185	174.0	310.0	-428.0	186	203.0	310.0	-428.0
187	232.0	310.0	-428.0	188	261.0	310.0	-428.0	189	290.0	310.0	-428.0
190	0.0	0.0	-386.0	191	29.0	0.0	-386.0	192	58.0	0.0	-386.0
193	87.0	0.0	-386.0	194	116.0	0.0	-386.0	195	145.0	0.0	-386.0
196	174.0	0.0	-386.0	197	203.0	0.0	-386.0	198	232.0	0.0	-386.0
199	261.0	0.0	-386.0	200	290.0	0.0	-386.0	201	0.0	29.0	-386.0
202	290.0	29.0	-386.0	203	0.0	58.0	-386.0	204	290.0	58.0	-386.0
205	0.0	87.0	-386.0	206	290.0	87.0	-386.0	207	0.0	116.0	-386.0
208	290.0	116.0	-386.0	209	0.0	145.0	-386.0	210	290.0	145.0	-386.0
211	0.0	174.0	-386.0	212	290.0	174.0	-386.0	213	0.0	192.5	-386.0
214	290.0	192.5	-386.0	215	0.0	203.0	-386.0	216	290.0	203.0	-386.0
217	0.0	232.0	-386.0	218	290.0	232.0	-386.0	219	0.0	261.0	-386.0
220	290.0	261.0	-386.0	221	0.0	277.5	-386.0	222	290.0	277.5	-386.0
223	0.0	290.0	-386.0	224	0.0	310.0	-386.0	225	29.0	310.0	-386.0
226	58.0	310.0	-386.0	227	87.0	310.0	-386.0	228	116.0	310.0	-386.0
229	145.0	310.0	-386.0	230	174.0	310.0	-386.0	231	203.0	310.0	-386.0
232	232.0	310.0	-386.0	233	261.0	310.0	-386.0	234	290.0	310.0	-386.0
235	50.0	310.0	-345.0	236	100.0	310.0	-345.0	237	0.0	0.0	-344.0
238	29.0	0.0	-344.0	239	58.0	0.0	-344.0	240	87.0	0.0	-344.0
241	116.0	0.0	-344.0	242	145.0	0.0	-344.0	243	174.0	0.0	-344.0
244	203.0	0.0	-344.0	245	232.0	0.0	-344.0	246	261.0	0.0	-344.0
247	290.0	0.0	-344.0	248	0.0	29.0	-344.0	249	290.0	29.0	-344.0
250	0.0	58.0	-344.0	251	290.0	58.0	-344.0	252	0.0	87.0	-344.0
253	290.0	87.0	-344.0	254	0.0	116.0	-344.0	255	290.0	116.0	-344.0
256	0.0	145.0	-344.0	257	290.0	145.0	-344.0	258	0.0	174.0	-344.0
259	290.0	174.0	-344.0	260	0.0	192.5	-344.0	261	290.0	192.5	-344.0
262	0.0	203.0	-344.0	263	290.0	203.0	-344.0	264	0.0	232.0	-344.0
265	290.0	232.0	-344.0	266	0.0	261.0	-344.0	267	290.0	261.0	-344.0
268	0.0	277.5	-344.0	269	290.0	277.5	-344.0	270	0.0	290.0	-344.0
271	0.0	310.0	-344.0	272	29.0	310.0	-344.0	273	116.0	310.0	-344.0
274	145.0	310.0	-344.0	275	174.0	310.0	-344.0	276	203.0	310.0	-344.0
277	232.0	310.0	-344.0	278	261.0	310.0	-344.0	279	290.0	310.0	-344.0
280	0.0	0.0	-302.0	281	29.0	0.0	-302.0	282	58.0	0.0	-302.0
283	87.0	0.0	-302.0	284	116.0	0.0	-302.0	285	145.0	0.0	-302.0
286	174.0	0.0	-302.0	287	203.0	0.0	-302.0	288	232.0	0.0	-302.0
289	261.0	0.0	-302.0	290	290.0	0.0	-302.0	291	0.0	29.0	-302.0
292	290.0	29.0	-302.0	293	0.0	58.0	-302.0	294	290.0	58.0	-302.0
295	0.0	87.0	-302.0	296	290.0	87.0	-302.0	297	0.0	116.0	-302.0
298	290.0	116.0	-302.0	299	0.0	145.0	-302.0	300	290.0	145.0	-302.0
301	0.0	174.0	-302.0	302	290.0	174.0	-302.0	303	0.0	192.5	-302.0
304	290.0	192.5	-302.0	305	0.0	203.0	-302.0	306	290.0	203.0	-302.0
307	0.0	232.0	-302.0	308	290.0	232.0	-302.0	309	0.0	261.0	-302.0
310	290.0	261.0	-302.0	311	0.0	277.5	-302.0	312	290.0	277.5	-302.0
313	0.0	290.0	-302.0	314	0.0	310.0	-302.0	315	29.0	310.0	-302.0
316	116.0	310.0	-302.0	317	145.0	310.0	-302.0	318	174.0	310.0	-302.0
319	203.0	310.0	-302.0	320	232.0	310.0	-302.0	321	261.0	310.0	-302.0
322	290.0	310.0	-302.0	323	50.0	310.0	-295.0	324	100.0	310.0	-295.0
325	0.0	0.0	-250.0	326	29.0	0.0	-250.0	327	58.0	0.0	-250.0
328	87.0	0.0	-250.0	329	116.0	0.0	-250.0	330	145.0	0.0	-250.0
331	174.0	0.0	-250.0	332	203.0	0.0	-250.0	333	232.0	0.0	-250.0

334	261.0	0.0	-250.0	335	290.0	0.0	-250.0	336	320.0	0.0	-250.0
337	350.0	0.0	-250.0	338	380.0	0.0	-250.0	339	410.0	0.0	-250.0
340	427.5	0.0	-250.0	341	440.0	0.0	-250.0	342	452.5	0.0	-250.0
343	470.0	0.0	-250.0	344	500.0	0.0	-250.0	345	0.0	29.0	-250.0
346	290.0	29.0	-250.0	347	320.0	29.0	-250.0	348	350.0	29.0	-250.0
349	380.0	29.0	-250.0	350	410.0	29.0	-250.0	351	427.5	29.0	-250.0
352	440.0	29.0	-250.0	353	452.5	29.0	-250.0	354	470.0	29.0	-250.0
355	500.0	29.0	-250.0	356	0.0	58.0	-250.0	357	290.0	58.0	-250.0
358	320.0	58.0	-250.0	359	350.0	58.0	-250.0	360	380.0	58.0	-250.0
361	410.0	58.0	-250.0	362	427.5	58.0	-250.0	363	440.0	58.0	-250.0
364	452.5	58.0	-250.0	365	470.0	58.0	-250.0	366	500.0	58.0	-250.0
367	0.0	87.0	-250.0	368	290.0	87.0	-250.0	369	320.0	87.0	-250.0
370	350.0	87.0	-250.0	371	380.0	87.0	-250.0	372	410.0	87.0	-250.0
373	427.5	87.0	-250.0	374	440.0	87.0	-250.0	375	452.5	87.0	-250.0
376	470.0	87.0	-250.0	377	500.0	87.0	-250.0	378	0.0	116.0	-250.0
379	290.0	116.0	-250.0	380	320.0	116.0	-250.0	381	350.0	116.0	-250.0
382	380.0	116.0	-250.0	383	410.0	116.0	-250.0	384	427.5	116.0	-250.0
385	440.0	116.0	-250.0	386	452.5	116.0	-250.0	387	470.0	116.0	-250.0
388	500.0	116.0	-250.0	389	-6.66e-04	145.0	-250.0	390	290.0	145.0	-250.0
391	320.0	145.0	-250.0	392	350.0	145.0	-250.0	393	380.0	145.0	-250.0
394	410.0	145.0	-250.0	395	427.5	145.0	-250.0	396	440.0	145.0	-250.0
397	452.5	145.0	-250.0	398	470.0	145.0	-250.0	399	500.0	145.0	-250.0
400	-5.00e-04	174.0	-250.0	401	290.0	174.0	-250.0	402	320.0	174.0	-250.0
403	350.0	174.0	-250.0	404	380.0	174.0	-250.0	405	410.0	174.0	-250.0
406	427.5	174.0	-250.0	407	440.0	174.0	-250.0	408	452.5	174.0	-250.0
409	470.0	174.0	-250.0	410	500.0	174.0	-250.0	411	-4.59e-04	192.5	-250.0
412	-3.33e-04	203.0	-250.0	413	290.0	203.0	-250.0	414	320.0	203.0	-250.0
415	350.0	203.0	-250.0	416	380.0	203.0	-250.0	417	410.0	203.0	-250.0
418	427.5	203.0	-250.0	419	440.0	203.0	-250.0	420	452.5	203.0	-250.0
421	470.0	203.0	-250.0	422	500.0	203.0	-250.0	423	0.0	232.0	-250.0
424	290.0	232.0	-250.0	425	320.0	232.0	-250.0	426	350.0	232.0	-250.0
427	380.0	232.0	-250.0	428	410.0	232.0	-250.0	429	427.5	232.0	-250.0
430	440.0	232.0	-250.0	431	452.5	232.0	-250.0	432	470.0	232.0	-250.0
433	500.0	232.0	-250.0	434	0.0	261.0	-250.0	435	290.0	261.0	-250.0
436	320.0	261.0	-250.0	437	350.0	261.0	-250.0	438	380.0	261.0	-250.0
439	410.0	261.0	-250.0	440	427.5	261.0	-250.0	441	440.0	261.0	-250.0
442	452.5	261.0	-250.0	443	470.0	261.0	-250.0	444	500.0	261.0	-250.0
445	0.0	277.5	-250.0	446	290.0	277.5	-250.0	447	320.0	279.2	-250.0
448	350.0	281.0	-250.0	449	380.0	282.8	-250.0	450	410.0	284.6	-250.0
451	427.5	285.7	-250.0	452	440.0	286.4	-250.0	453	452.5	287.2	-250.0
454	470.0	288.2	-250.0	455	0.0	290.0	-250.0	456	500.0	290.0	-250.0
457	0.0	310.0	-250.0	458	29.0	310.0	-250.0	459	58.0	310.0	-250.0
460	87.0	310.0	-250.0	461	116.0	310.0	-250.0	462	145.0	310.0	-250.0
463	174.0	310.0	-250.0	464	203.0	310.0	-250.0	465	232.0	310.0	-250.0
466	261.0	310.0	-250.0	467	290.0	310.0	-250.0	468	320.0	310.0	-250.0
469	350.0	310.0	-250.0	470	380.0	310.0	-250.0	471	410.0	310.0	-250.0
472	427.5	310.0	-250.0	473	440.0	310.0	-250.0	474	452.5	310.0	-250.0
475	470.0	310.0	-250.0	476	500.0	310.0	-250.0	477	0.0	0.0	-218.0
478	29.0	0.0	-218.0	479	58.0	0.0	-218.0	480	87.0	0.0	-218.0
481	116.0	0.0	-218.0	482	145.0	0.0	-218.0	483	174.0	0.0	-218.0
484	203.0	0.0	-218.0	485	232.0	0.0	-218.0	486	261.0	0.0	-218.0
487	290.0	0.0	-218.0	488	320.0	0.0	-218.0	489	350.0	0.0	-218.0
490	380.0	0.0	-218.0	491	410.0	0.0	-218.0	492	427.5	0.0	-218.0
493	440.0	0.0	-218.0	494	452.5	0.0	-218.0	495	470.0	0.0	-218.0
496	500.0	0.0	-218.0	497	0.0	29.0	-218.0	498	290.0	29.0	-218.0
499	500.0	29.0	-218.0	500	0.0	58.0	-218.0	501	500.0	58.0	-218.0
502	0.0	87.0	-218.0	503	500.0	87.0	-218.0	504	0.0	116.0	-218.0
505	500.0	116.0	-218.0	506	-6.66e-04	145.0	-218.0	507	-5.00e-04	174.0	-218.0
508	-4.59e-04	192.5	-218.0	509	-3.33e-04	203.0	-218.0	510	500.0	203.0	-218.0
511	0.0	232.0	-218.0	512	500.0	232.0	-218.0	513	0.0	261.0	-218.0
514	290.0	261.0	-218.0	515	500.0	261.0	-218.0	516	0.0	277.5	-218.0
517	0.0	290.0	-218.0	518	500.0	290.0	-218.0	519	0.0	310.0	-218.0
520	29.0	310.0	-218.0	521	58.0	310.0	-218.0	522	87.0	310.0	-218.0
523	116.0	310.0	-218.0	524	145.0	310.0	-218.0	525	174.0	310.0	-218.0
526	203.0	310.0	-218.0	527	232.0	310.0	-218.0	528	261.0	310.0	-218.0
529	320.0	310.0	-218.0	530	350.0	310.0	-218.0	531	380.0	310.0	-218.0
532	410.0	310.0	-218.0	533	427.5	310.0	-218.0	534	440.0	310.0	-218.0
535	452.5	310.0	-218.0	536	470.0	310.0	-218.0	537	500.0	310.0	-218.0
538	290.0	277.5	-213.6	539	290.0	50.0	-205.0	540	290.0	85.0	-205.0
541	290.0	127.5	-205.0	542	500.0	127.5	-205.0	543	290.0	145.0	-205.0
544	500.0	145.0	-205.0	545	290.0	162.5	-205.0	546	500.0	162.5	-205.0
547	290.0	192.5	-205.0	548	290.0	205.0	-205.0	549	290.0	240.0	-205.0
550	290.0	310.0	-205.0	551	0.0	0.0	-176.0	552	29.0	0.0	-176.0
553	58.0	0.0	-176.0	554	87.0	0.0	-176.0	555	116.0	0.0	-176.0
556	145.0	0.0	-176.0	557	174.0	0.0	-176.0	558	203.0	0.0	-176.0
559	232.0	0.0	-176.0	560	261.0	0.0	-176.0	561	290.0	0.0	-176.0
562	320.0	0.0	-176.0	563	350.0	0.0	-176.0	564	380.0	0.0	-176.0
565	410.0	0.0	-176.0	566	427.5	0.0	-176.0	567	440.0	0.0	-176.0
568	452.5	0.0	-176.0	569	470.0	0.0	-176.0	570	500.0	0.0	-176.0

571	0.0	29.0	-176.0	572	290.0	29.0	-176.0	573	500.0	29.0	-176.0
574	0.0	58.0	-176.0	575	500.0	58.0	-176.0	576	0.0	87.0	-176.0
577	500.0	87.0	-176.0	578	0.0	116.0	-176.0	579	500.0	116.0	-176.0
580	0.0	145.0	-176.0	581	0.0	174.0	-176.0	582	0.0	192.5	-176.0
583	0.0	203.0	-176.0	584	500.0	203.0	-176.0	585	0.0	232.0	-176.0
586	500.0	232.0	-176.0	587	0.0	261.0	-176.0	588	290.0	261.0	-176.0
589	500.0	261.0	-176.0	590	0.0	277.5	-176.0	591	0.0	290.0	-176.0
592	500.0	290.0	-176.0	593	0.0	310.0	-176.0	594	29.0	310.0	-176.0
595	58.0	310.0	-176.0	596	87.0	310.0	-176.0	597	116.0	310.0	-176.0
598	145.0	310.0	-176.0	599	174.0	310.0	-176.0	600	203.0	310.0	-176.0
601	232.0	310.0	-176.0	602	261.0	310.0	-176.0	603	320.0	310.0	-176.0
604	350.0	310.0	-176.0	605	380.0	310.0	-176.0	606	410.0	310.0	-176.0
607	427.5	310.0	-176.0	608	440.0	310.0	-176.0	609	452.5	310.0	-176.0
610	470.0	310.0	-176.0	611	500.0	310.0	-176.0	612	290.0	277.5	-174.0
613	290.0	50.0	-170.0	614	290.0	85.0	-170.0	615	290.0	127.5	-170.0
616	500.0	127.5	-170.0	617	290.0	145.0	-170.0	618	500.0	145.0	-170.0
619	290.0	162.5	-170.0	620	500.0	162.5	-170.0	621	290.0	192.5	-170.0
622	290.0	205.0	-170.0	623	290.0	240.0	-170.0	624	290.0	310.0	-170.0
625	0.0	0.0	-148.0	626	29.0	0.0	-148.0	627	58.0	0.0	-148.0
628	87.0	0.0	-148.0	629	116.0	0.0	-148.0	630	145.0	0.0	-148.0
631	174.0	0.0	-148.0	632	203.0	0.0	-148.0	633	232.0	0.0	-148.0
634	261.0	0.0	-148.0	635	290.0	0.0	-148.0	636	320.0	0.0	-148.0
637	350.0	0.0	-148.0	638	380.0	0.0	-148.0	639	410.0	0.0	-148.0
640	427.5	0.0	-148.0	641	440.0	0.0	-148.0	642	452.5	0.0	-148.0
643	470.0	0.0	-148.0	644	500.0	0.0	-148.0	645	0.0	29.0	-148.0
646	290.0	29.0	-148.0	647	500.0	29.0	-148.0	648	290.0	54.9	-148.0
649	0.0	58.0	-148.0	650	500.0	58.0	-148.0	651	290.0	86.2	-148.0
652	0.0	87.0	-148.0	653	500.0	87.0	-148.0	654	0.0	116.0	-148.0
655	500.0	116.0	-148.0	656	290.0	120.5	-148.0	657	500.0	137.7	-148.0
658	0.0	145.0	-148.0	659	290.0	145.0	-148.0	660	500.0	145.0	-148.0
661	290.0	169.5	-148.0	662	0.0	174.0	-148.0	663	500.0	174.0	-148.0
664	0.0	192.5	-148.0	665	290.0	192.5	-148.0	666	0.0	203.0	-148.0
667	500.0	203.0	-148.0	668	290.0	203.8	-148.0	669	0.0	232.0	-148.0
670	500.0	232.0	-148.0	671	290.0	235.1	-148.0	672	0.0	261.0	-148.0
673	290.0	261.0	-148.0	674	500.0	261.0	-148.0	675	0.0	277.5	-148.0
676	290.0	277.5	-148.0	677	0.0	290.0	-148.0	678	500.0	290.0	-148.0
679	0.0	310.0	-148.0	680	29.0	310.0	-148.0	681	58.0	310.0	-148.0
682	87.0	310.0	-148.0	683	116.0	310.0	-148.0	684	145.0	310.0	-148.0
685	174.0	310.0	-148.0	686	203.0	310.0	-148.0	687	232.0	310.0	-148.0
688	261.0	310.0	-148.0	689	290.0	310.0	-148.0	690	320.0	310.0	-148.0
691	350.0	310.0	-148.0	692	380.0	310.0	-148.0	693	410.0	310.0	-148.0
694	427.5	310.0	-148.0	695	440.0	310.0	-148.0	696	452.5	310.0	-148.0
697	470.0	310.0	-148.0	698	500.0	310.0	-148.0	699	0.0	0.0	-134.0
700	29.0	0.0	-134.0	701	58.0	0.0	-134.0	702	87.0	0.0	-134.0
703	116.0	0.0	-134.0	704	145.0	0.0	-134.0	705	174.0	0.0	-134.0
706	203.0	0.0	-134.0	707	232.0	0.0	-134.0	708	261.0	0.0	-134.0
709	290.0	0.0	-134.0	710	320.0	0.0	-134.0	711	350.0	0.0	-134.0
712	380.0	0.0	-134.0	713	410.0	0.0	-134.0	714	427.5	0.0	-134.0
715	440.0	0.0	-134.0	716	452.5	0.0	-134.0	717	470.0	0.0	-134.0
718	500.0	0.0	-134.0	719	0.0	29.0	-134.0	720	290.0	29.0	-134.0
721	500.0	29.0	-134.0	722	0.0	58.0	-134.0	723	290.0	58.0	-134.0
724	500.0	58.0	-134.0	725	0.0	87.0	-134.0	726	290.0	87.0	-134.0
727	500.0	87.0	-134.0	728	0.0	116.0	-134.0	729	290.0	116.0	-134.0
730	500.0	116.0	-134.0	731	500.0	137.7	-134.0	732	0.0	145.0	-134.0
733	290.0	145.0	-134.0	734	500.0	145.0	-134.0	735	0.0	174.0	-134.0
736	290.0	174.0	-134.0	737	500.0	174.0	-134.0	738	0.0	192.5	-134.0
739	290.0	192.5	-134.0	740	0.0	203.0	-134.0	741	290.0	203.0	-134.0
742	500.0	203.0	-134.0	743	0.0	232.0	-134.0	744	290.0	232.0	-134.0
745	500.0	232.0	-134.0	746	0.0	261.0	-134.0	747	290.0	261.0	-134.0
748	500.0	261.0	-134.0	749	0.0	277.5	-134.0	750	290.0	277.5	-134.0
751	0.0	290.0	-134.0	752	500.0	290.0	-134.0	753	0.0	310.0	-134.0
754	29.0	310.0	-134.0	755	58.0	310.0	-134.0	756	87.0	310.0	-134.0
757	116.0	310.0	-134.0	758	145.0	310.0	-134.0	759	174.0	310.0	-134.0
760	203.0	310.0	-134.0	761	232.0	310.0	-134.0	762	261.0	310.0	-134.0
763	290.0	310.0	-134.0	764	320.0	310.0	-134.0	765	350.0	310.0	-134.0
766	380.0	310.0	-134.0	767	410.0	310.0	-134.0	768	427.5	310.0	-134.0
769	452.5	310.0	-134.0	770	470.0	310.0	-134.0	771	500.0	310.0	-134.0
772	0.0	0.0	-120.0	773	29.0	0.0	-120.0	774	58.0	0.0	-120.0
775	87.0	0.0	-120.0	776	116.0	0.0	-120.0	777	145.0	0.0	-120.0
778	174.0	0.0	-120.0	779	203.0	0.0	-120.0	780	232.0	0.0	-120.0
781	261.0	0.0	-120.0	782	290.0	0.0	-120.0	783	320.0	0.0	-120.0
784	350.0	0.0	-120.0	785	380.0	0.0	-120.0	786	410.0	0.0	-120.0
787	427.5	0.0	-120.0	788	440.0	0.0	-120.0	789	452.5	0.0	-120.0
790	470.0	0.0	-120.0	791	500.0	0.0	-120.0	792	0.0	29.0	-120.0
793	290.0	29.0	-120.0	794	500.0	29.0	-120.0	795	0.0	58.0	-120.0
796	290.0	58.0	-120.0	797	500.0	58.0	-120.0	798	0.0	87.0	-120.0
799	290.0	87.0	-120.0	800	500.0	87.0	-120.0	801	0.0	116.0	-120.0
802	290.0	116.0	-120.0	803	500.0	116.0	-120.0	804	500.0	137.7	-120.0
805	0.0	145.0	-120.0	806	290.0	145.0	-120.0	807	500.0	145.0	-120.0

808	0.0	174.0	-120.0	809	290.0	174.0	-120.0	810	500.0	174.0	-120.0
811	0.0	192.5	-120.0	812	290.0	192.5	-120.0	813	0.0	203.0	-120.0
814	290.0	203.0	-120.0	815	500.0	203.0	-120.0	816	0.0	232.0	-120.0
817	290.0	232.0	-120.0	818	500.0	232.0	-120.0	819	0.0	261.0	-120.0
820	290.0	261.0	-120.0	821	500.0	261.0	-120.0	822	0.0	277.5	-120.0
823	290.0	277.5	-120.0	824	0.0	290.0	-120.0	825	500.0	290.0	-120.0
826	0.0	310.0	-120.0	827	29.0	310.0	-120.0	828	58.0	310.0	-120.0
829	87.0	310.0	-120.0	830	116.0	310.0	-120.0	831	145.0	310.0	-120.0
832	174.0	310.0	-120.0	833	203.0	310.0	-120.0	834	232.0	310.0	-120.0
835	261.0	310.0	-120.0	836	290.0	310.0	-120.0	837	320.0	310.0	-120.0
838	350.0	310.0	-120.0	839	380.0	310.0	-120.0	840	410.0	310.0	-120.0
841	427.5	310.0	-120.0	842	440.0	310.0	-120.0	843	452.5	310.0	-120.0
844	470.0	310.0	-120.0	845	500.0	310.0	-120.0	846	0.0	0.0	-92.0
847	29.0	0.0	-92.0	848	58.0	0.0	-92.0	849	87.0	0.0	-92.0
850	116.0	0.0	-92.0	851	145.0	0.0	-92.0	852	174.0	0.0	-92.0
853	203.0	0.0	-92.0	854	232.0	0.0	-92.0	855	261.0	0.0	-92.0
856	290.0	0.0	-92.0	857	320.0	0.0	-92.0	858	350.0	0.0	-92.0
859	380.0	0.0	-92.0	860	410.0	0.0	-92.0	861	427.5	0.0	-92.0
862	440.0	0.0	-92.0	863	452.5	0.0	-92.0	864	470.0	0.0	-92.0
865	500.0	0.0	-92.0	866	0.0	29.0	-92.0	867	290.0	29.0	-92.0
868	500.0	29.0	-92.0	869	0.0	58.0	-92.0	870	290.0	58.0	-92.0
871	500.0	58.0	-92.0	872	0.0	87.0	-92.0	873	290.0	87.0	-92.0
874	500.0	87.0	-92.0	875	0.0	116.0	-92.0	876	290.0	116.0	-92.0
877	500.0	116.0	-92.0	878	500.0	137.7	-92.0	879	0.0	145.0	-92.0
880	290.0	145.0	-92.0	881	500.0	145.0	-92.0	882	0.0	174.0	-92.0
883	290.0	174.0	-92.0	884	500.0	174.0	-92.0	885	0.0	192.5	-92.0
886	290.0	192.5	-92.0	887	0.0	203.0	-92.0	888	290.0	203.0	-92.0
889	500.0	203.0	-92.0	890	0.0	232.0	-92.0	891	290.0	232.0	-92.0
892	500.0	232.0	-92.0	893	0.0	261.0	-92.0	894	290.0	261.0	-92.0
895	500.0	261.0	-92.0	896	0.0	277.5	-92.0	897	290.0	277.5	-92.0
898	0.0	290.0	-92.0	899	500.0	290.0	-92.0	900	0.0	310.0	-92.0
901	29.0	310.0	-92.0	902	58.0	310.0	-92.0	903	87.0	310.0	-92.0
904	116.0	310.0	-92.0	905	145.0	310.0	-92.0	906	174.0	310.0	-92.0
907	203.0	310.0	-92.0	908	232.0	310.0	-92.0	909	261.0	310.0	-92.0
910	290.0	310.0	-92.0	911	320.0	310.0	-92.0	912	350.0	310.0	-92.0
913	380.0	310.0	-92.0	914	410.0	310.0	-92.0	915	427.5	310.0	-92.0
916	440.0	310.0	-92.0	917	452.5	310.0	-92.0	918	470.0	310.0	-92.0
919	500.0	310.0	-92.0	920	0.0	0.0	-50.0	921	29.0	0.0	-50.0
922	58.0	0.0	-50.0	923	87.0	0.0	-50.0	924	116.0	0.0	-50.0
925	145.0	0.0	-50.0	926	174.0	0.0	-50.0	927	203.0	0.0	-50.0
928	232.0	0.0	-50.0	929	261.0	0.0	-50.0	930	290.0	0.0	-50.0
931	320.0	0.0	-50.0	932	350.0	0.0	-50.0	933	380.0	0.0	-50.0
934	410.0	0.0	-50.0	935	427.5	0.0	-50.0	936	440.0	0.0	-50.0
937	452.5	0.0	-50.0	938	470.0	0.0	-50.0	939	500.0	0.0	-50.0
940	0.0	29.0	-50.0	941	29.0	29.0	-50.0	942	58.0	29.0	-50.0
943	87.0	29.0	-50.0	944	116.0	29.0	-50.0	945	261.0	29.0	-50.0
946	290.0	29.0	-50.0	947	320.0	29.0	-50.0	948	350.0	29.0	-50.0
949	380.0	29.0	-50.0	950	410.0	29.0	-50.0	951	427.5	29.0	-50.0
952	440.0	29.0	-50.0	953	452.5	29.0	-50.0	954	470.0	29.0	-50.0
955	500.0	29.0	-50.0	956	141.8	36.5	-50.0	957	170.8	36.5	-50.0
958	199.8	36.5	-50.0	959	226.8	36.5	-50.0	960	0.0	58.0	-50.0
961	29.0	58.0	-50.0	962	58.0	58.0	-50.0	963	87.0	58.0	-50.0
964	116.0	58.0	-50.0	965	261.0	58.0	-50.0	966	290.0	58.0	-50.0
967	320.0	58.0	-50.0	968	350.0	58.0	-50.0	969	380.0	58.0	-50.0
970	410.0	58.0	-50.0	971	427.5	58.0	-50.0	972	440.0	58.0	-50.0
973	452.5	58.0	-50.0	974	470.0	58.0	-50.0	975	500.0	58.0	-50.0
976	141.8	59.8	-50.0	977	169.9	59.8	-50.0	978	198.9	59.8	-50.0
979	226.8	59.8	-50.0	980	0.0	87.0	-50.0	981	29.0	87.0	-50.0
982	58.0	87.0	-50.0	983	87.0	87.0	-50.0	984	116.0	87.0	-50.0
985	261.0	87.0	-50.0	986	290.0	87.0	-50.0	987	320.0	87.0	-50.0
988	350.0	87.0	-50.0	989	380.0	87.0	-50.0	990	410.0	87.0	-50.0
991	427.5	87.0	-50.0	992	440.0	87.0	-50.0	993	452.5	87.0	-50.0
994	470.0	87.0	-50.0	995	500.0	87.0	-50.0	996	141.8	88.8	-50.0
997	168.8	88.8	-50.0	998	197.8	88.8	-50.0	999	226.8	88.8	-50.0
1000	0.0	116.0	-50.0	1001	29.0	116.0	-50.0	1002	58.0	116.0	-50.0
1003	87.0	116.0	-50.0	1004	116.0	116.0	-50.0	1005	261.0	116.0	-50.0
1006	290.0	116.0	-50.0	1007	320.0	116.0	-50.0	1008	350.0	116.0	-50.0
1009	380.0	116.0	-50.0	1010	410.0	116.0	-50.0	1011	427.5	116.0	-50.0
1012	440.0	116.0	-50.0	1013	452.5	116.0	-50.0	1014	470.0	116.0	-50.0
1015	500.0	116.0	-50.0	1016	141.8	125.5	-50.0	1017	170.8	125.5	-50.0
1018	199.8	125.5	-50.0	1019	226.8	125.5	-50.0	1020	320.0	137.7	-50.0
1021	350.0	137.7	-50.0	1022	380.0	137.7	-50.0	1023	410.0	137.7	-50.0
1024	427.5	137.7	-50.0	1025	440.0	137.7	-50.0	1026	452.5	137.7	-50.0
1027	470.0	137.7	-50.0	1028	500.0	137.7	-50.0	1029	0.0	145.0	-50.0
1030	29.0	145.0	-50.0	1031	58.0	145.0	-50.0	1032	87.0	145.0	-50.0
1033	116.0	145.0	-50.0	1034	261.0	145.0	-50.0	1035	290.0	145.0	-50.0
1036	320.0	145.0	-50.0	1037	350.0	145.0	-50.0	1038	380.0	145.0	-50.0
1039	410.0	145.0	-50.0	1040	427.5	145.0	-50.0	1041	440.0	145.0	-50.0
1042	452.5	145.0	-50.0	1043	470.0	145.0	-50.0	1044	500.0	145.0	-50.0

1045	141.8	148.8	-50.0	1046	169.9	148.8	-50.0	1047	198.9	148.8	-50.0
1048	226.8	148.8	-50.0	1049	0.0	174.0	-50.0	1050	29.0	174.0	-50.0
1051	58.0	174.0	-50.0	1052	87.0	174.0	-50.0	1053	116.0	174.0	-50.0
1054	261.0	174.0	-50.0	1055	290.0	174.0	-50.0	1056	320.0	174.0	-50.0
1057	350.0	174.0	-50.0	1058	380.0	174.0	-50.0	1059	410.0	174.0	-50.0
1060	427.5	174.0	-50.0	1061	440.0	174.0	-50.0	1062	452.5	174.0	-50.0
1063	470.0	174.0	-50.0	1064	500.0	174.0	-50.0	1065	141.8	177.8	-50.0
1066	168.8	177.8	-50.0	1067	197.8	177.8	-50.0	1068	226.8	177.8	-50.0
1069	0.0	192.5	-50.0	1070	29.0	192.5	-50.0	1071	58.0	192.5	-50.0
1072	87.0	192.5	-50.0	1073	116.0	192.5	-50.0	1074	145.0	192.5	-50.0
1075	174.0	192.5	-50.0	1076	203.0	192.5	-50.0	1077	232.0	192.5	-50.0
1078	261.0	192.5	-50.0	1079	0.0	203.0	-50.0	1080	29.0	203.0	-50.0
1081	58.0	203.0	-50.0	1082	87.0	203.0	-50.0	1083	116.0	203.0	-50.0
1084	261.0	203.0	-50.0	1085	290.0	203.0	-50.0	1086	320.0	203.0	-50.0
1087	350.0	203.0	-50.0	1088	380.0	203.0	-50.0	1089	410.0	203.0	-50.0
1090	427.5	203.0	-50.0	1091	440.0	203.0	-50.0	1092	452.5	203.0	-50.0
1093	470.0	203.0	-50.0	1094	500.0	203.0	-50.0	1095	141.8	214.6	-50.0
1096	170.8	214.6	-50.0	1097	199.8	214.6	-50.0	1098	226.8	214.6	-50.0
1099	0.0	232.0	-50.0	1100	29.0	232.0	-50.0	1101	58.0	232.0	-50.0
1102	87.0	232.0	-50.0	1103	116.0	232.0	-50.0	1104	261.0	232.0	-50.0
1105	290.0	232.0	-50.0	1106	320.0	232.0	-50.0	1107	350.0	232.0	-50.0
1108	380.0	232.0	-50.0	1109	410.0	232.0	-50.0	1110	427.5	232.0	-50.0
1111	440.0	232.0	-50.0	1112	452.5	232.0	-50.0	1113	470.0	232.0	-50.0
1114	500.0	232.0	-50.0	1115	141.8	237.9	-50.0	1116	169.9	237.9	-50.0
1117	198.9	237.9	-50.0	1118	226.8	237.9	-50.0	1119	0.0	261.0	-50.0
1120	29.0	261.0	-50.0	1121	58.0	261.0	-50.0	1122	87.0	261.0	-50.0
1123	116.0	261.0	-50.0	1124	261.0	261.0	-50.0	1125	290.0	261.0	-50.0
1126	320.0	261.0	-50.0	1127	350.0	261.0	-50.0	1128	380.0	261.0	-50.0
1129	410.0	261.0	-50.0	1130	427.5	261.0	-50.0	1131	440.0	261.0	-50.0
1132	452.5	261.0	-50.0	1133	470.0	261.0	-50.0	1134	500.0	261.0	-50.0
1135	141.8	266.9	-50.0	1136	168.8	266.9	-50.0	1137	197.8	266.9	-50.0
1138	226.8	266.9	-50.0	1139	0.0	277.5	-50.0	1140	29.0	277.5	-50.0
1141	58.0	277.5	-50.0	1142	87.0	277.5	-50.0	1143	116.0	277.5	-50.0
1144	145.0	277.5	-50.0	1145	174.0	277.5	-50.0	1146	203.0	277.5	-50.0
1147	232.0	277.5	-50.0	1148	261.0	277.5	-50.0	1149	0.0	290.0	-50.0
1150	29.0	290.0	-50.0	1151	58.0	290.0	-50.0	1152	87.0	290.0	-50.0
1153	116.0	290.0	-50.0	1154	145.0	290.0	-50.0	1155	174.0	290.0	-50.0
1156	203.0	290.0	-50.0	1157	232.0	290.0	-50.0	1158	261.0	290.0	-50.0
1159	290.0	290.0	-50.0	1160	320.0	290.0	-50.0	1161	350.0	290.0	-50.0
1162	380.0	290.0	-50.0	1163	410.0	290.0	-50.0	1164	427.5	290.0	-50.0
1165	440.0	290.0	-50.0	1166	452.5	290.0	-50.0	1167	470.0	290.0	-50.0
1168	500.0	290.0	-50.0	1169	0.0	310.0	-50.0	1170	29.0	310.0	-50.0
1171	58.0	310.0	-50.0	1172	87.0	310.0	-50.0	1173	116.0	310.0	-50.0
1174	145.0	310.0	-50.0	1175	174.0	310.0	-50.0	1176	203.0	310.0	-50.0
1177	232.0	310.0	-50.0	1178	261.0	310.0	-50.0	1179	290.0	310.0	-50.0
1180	320.0	310.0	-50.0	1181	350.0	310.0	-50.0	1182	380.0	310.0	-50.0
1183	410.0	310.0	-50.0	1184	427.5	310.0	-50.0	1185	440.0	310.0	-50.0
1186	452.5	310.0	-50.0	1187	470.0	310.0	-50.0	1188	500.0	310.0	-50.0

Vasca per alloggiamento impianto derivazione

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	0.0	0.0	-300.0	2	30.0	0.0	-300.0	3	60.0	0.0	-300.0
4	90.0	0.0	-300.0	5	120.0	0.0	-300.0	6	150.0	0.0	-300.0
7	0.0	30.0	-300.0	8	30.0	30.0	-300.0	9	60.0	30.0	-300.0
10	90.0	30.0	-300.0	11	120.0	30.0	-300.0	12	150.0	30.0	-300.0
13	0.0	60.0	-300.0	14	30.0	60.0	-300.0	15	60.0	60.0	-300.0
16	90.0	60.0	-300.0	17	120.0	60.0	-300.0	18	150.0	60.0	-300.0
19	0.0	90.0	-300.0	20	30.0	90.0	-300.0	21	60.0	90.0	-300.0
22	90.0	90.0	-300.0	23	120.0	90.0	-300.0	24	150.0	90.0	-300.0
25	0.0	120.0	-300.0	26	30.0	120.0	-300.0	27	60.0	120.0	-300.0
28	90.0	120.0	-300.0	29	120.0	120.0	-300.0	30	150.0	120.0	-300.0
31	0.0	150.0	-300.0	32	30.0	150.0	-300.0	33	60.0	150.0	-300.0
34	90.0	150.0	-300.0	35	120.0	150.0	-300.0	36	150.0	150.0	-300.0
37	0.0	0.0	-270.0	38	30.0	0.0	-270.0	39	60.0	0.0	-270.0
40	90.0	0.0	-270.0	41	120.0	0.0	-270.0	42	150.0	0.0	-270.0
43	0.0	30.0	-270.0	44	150.0	30.0	-270.0	45	0.0	60.0	-270.0
46	150.0	60.0	-270.0	47	0.0	90.0	-270.0	48	150.0	90.0	-270.0
49	0.0	120.0	-270.0	50	150.0	120.0	-270.0	51	0.0	150.0	-270.0
52	30.0	150.0	-270.0	53	60.0	150.0	-270.0	54	90.0	150.0	-270.0
55	120.0	150.0	-270.0	56	150.0	150.0	-270.0	57	0.0	0.0	-240.0
58	30.0	0.0	-240.0	59	60.0	0.0	-240.0	60	90.0	0.0	-240.0
61	120.0	0.0	-240.0	62	150.0	0.0	-240.0	63	0.0	30.0	-240.0
64	150.0	30.0	-240.0	65	0.0	60.0	-240.0	66	150.0	60.0	-240.0
67	0.0	90.0	-240.0	68	150.0	90.0	-240.0	69	0.0	120.0	-240.0

70	150.0	120.0	-240.0	71	0.0	150.0	-240.0	72	30.0	150.0	-240.0
73	60.0	150.0	-240.0	74	90.0	150.0	-240.0	75	120.0	150.0	-240.0
76	150.0	150.0	-240.0	77	0.0	0.0	-225.0	78	30.0	0.0	-225.0
79	60.0	0.0	-225.0	80	90.0	0.0	-225.0	81	120.0	0.0	-225.0
82	150.0	0.0	-225.0	83	0.0	30.0	-225.0	84	30.0	30.0	-225.0
85	60.0	30.0	-225.0	86	90.0	30.0	-225.0	87	120.0	30.0	-225.0
88	150.0	30.0	-225.0	89	0.0	60.0	-225.0	90	30.0	60.0	-225.0
91	60.0	60.0	-225.0	92	90.0	60.0	-225.0	93	120.0	60.0	-225.0
94	150.0	60.0	-225.0	95	0.0	90.0	-225.0	96	30.0	90.0	-225.0
97	60.0	90.0	-225.0	98	90.0	90.0	-225.0	99	120.0	90.0	-225.0
100	150.0	90.0	-225.0	101	0.0	120.0	-225.0	102	30.0	120.0	-225.0
103	60.0	120.0	-225.0	104	90.0	120.0	-225.0	105	120.0	120.0	-225.0
106	150.0	120.0	-225.0	107	0.0	150.0	-225.0	108	30.0	150.0	-225.0
109	60.0	150.0	-225.0	110	90.0	150.0	-225.0	111	120.0	150.0	-225.0
112	150.0	150.0	-225.0	113	0.0	0.0	-210.0	114	30.0	0.0	-210.0
115	60.0	0.0	-210.0	116	90.0	0.0	-210.0	117	120.0	0.0	-210.0
118	150.0	0.0	-210.0	119	0.0	30.0	-210.0	120	150.0	30.0	-210.0
121	0.0	60.0	-210.0	122	150.0	60.0	-210.0	123	0.0	90.0	-210.0
124	150.0	90.0	-210.0	125	0.0	120.0	-210.0	126	150.0	120.0	-210.0
127	0.0	150.0	-210.0	128	30.0	150.0	-210.0	129	60.0	150.0	-210.0
130	90.0	150.0	-210.0	131	120.0	150.0	-210.0	132	150.0	150.0	-210.0
133	0.0	0.0	-180.0	134	30.0	0.0	-180.0	135	60.0	0.0	-180.0
136	90.0	0.0	-180.0	137	120.0	0.0	-180.0	138	150.0	0.0	-180.0
139	0.0	30.0	-180.0	140	150.0	30.0	-180.0	141	0.0	60.0	-180.0
142	150.0	60.0	-180.0	143	0.0	90.0	-180.0	144	150.0	90.0	-180.0
145	0.0	120.0	-180.0	146	150.0	120.0	-180.0	147	0.0	150.0	-180.0
148	30.0	150.0	-180.0	149	60.0	150.0	-180.0	150	90.0	150.0	-180.0
151	120.0	150.0	-180.0	152	150.0	150.0	-180.0	153	0.0	0.0	-150.0
154	30.0	0.0	-150.0	155	60.0	0.0	-150.0	156	90.0	0.0	-150.0
157	120.0	0.0	-150.0	158	150.0	0.0	-150.0	159	0.0	30.0	-150.0
160	150.0	30.0	-150.0	161	0.0	60.0	-150.0	162	150.0	60.0	-150.0
163	0.0	90.0	-150.0	164	150.0	90.0	-150.0	165	0.0	120.0	-150.0
166	150.0	120.0	-150.0	167	0.0	150.0	-150.0	168	30.0	150.0	-150.0
169	60.0	150.0	-150.0	170	90.0	150.0	-150.0	171	120.0	150.0	-150.0
172	150.0	150.0	-150.0	173	0.0	0.0	-120.0	174	30.0	0.0	-120.0
175	60.0	0.0	-120.0	176	90.0	0.0	-120.0	177	120.0	0.0	-120.0
178	150.0	0.0	-120.0	179	0.0	30.0	-120.0	180	150.0	30.0	-120.0
181	0.0	60.0	-120.0	182	150.0	60.0	-120.0	183	0.0	90.0	-120.0
184	150.0	90.0	-120.0	185	0.0	120.0	-120.0	186	150.0	120.0	-120.0
187	0.0	150.0	-120.0	188	30.0	150.0	-120.0	189	60.0	150.0	-120.0
190	90.0	150.0	-120.0	191	120.0	150.0	-120.0	192	150.0	150.0	-120.0
193	0.0	0.0	-90.0	194	30.0	0.0	-90.0	195	60.0	0.0	-90.0
196	90.0	0.0	-90.0	197	120.0	0.0	-90.0	198	150.0	0.0	-90.0
199	0.0	30.0	-90.0	200	150.0	30.0	-90.0	201	0.0	60.0	-90.0
202	150.0	60.0	-90.0	203	0.0	90.0	-90.0	204	150.0	90.0	-90.0
205	0.0	120.0	-90.0	206	150.0	120.0	-90.0	207	0.0	150.0	-90.0
208	30.0	150.0	-90.0	209	60.0	150.0	-90.0	210	90.0	150.0	-90.0
211	120.0	150.0	-90.0	212	150.0	150.0	-90.0	213	0.0	0.0	-60.0
214	30.0	0.0	-60.0	215	60.0	0.0	-60.0	216	90.0	0.0	-60.0
217	120.0	0.0	-60.0	218	150.0	0.0	-60.0	219	0.0	30.0	-60.0
220	150.0	30.0	-60.0	221	0.0	60.0	-60.0	222	150.0	60.0	-60.0
223	0.0	90.0	-60.0	224	150.0	90.0	-60.0	225	0.0	120.0	-60.0
226	150.0	120.0	-60.0	227	0.0	150.0	-60.0	228	30.0	150.0	-60.0
229	60.0	150.0	-60.0	230	90.0	150.0	-60.0	231	120.0	150.0	-60.0
232	150.0	150.0	-60.0	233	0.0	0.0	-30.0	234	30.0	0.0	-30.0
235	60.0	0.0	-30.0	236	90.0	0.0	-30.0	237	120.0	0.0	-30.0
238	150.0	0.0	-30.0	239	0.0	30.0	-30.0	240	150.0	30.0	-30.0
241	0.0	60.0	-30.0	242	150.0	60.0	-30.0	243	0.0	90.0	-30.0
244	150.0	90.0	-30.0	245	0.0	120.0	-30.0	246	150.0	120.0	-30.0
247	0.0	150.0	-30.0	248	30.0	150.0	-30.0	249	60.0	150.0	-30.0
250	90.0	150.0	-30.0	251	120.0	150.0	-30.0	252	150.0	150.0	-30.0
253	0.0	0.0	0.0	254	30.0	0.0	0.0	255	60.0	0.0	0.0
256	90.0	0.0	0.0	257	120.0	0.0	0.0	258	150.0	0.0	0.0
259	0.0	30.0	0.0	260	20.0	30.0	0.0	261	30.0	30.0	0.0
262	60.0	30.0	0.0	263	90.0	30.0	0.0	264	105.0	30.0	0.0
265	120.0	30.0	0.0	266	150.0	30.0	0.0	267	20.0	45.0	0.0
268	30.0	45.0	0.0	269	60.0	45.0	0.0	270	90.0	45.0	0.0
271	105.0	45.0	0.0	272	120.0	45.0	0.0	273	0.0	60.0	0.0
274	20.0	60.0	0.0	275	30.0	60.0	0.0	276	60.0	60.0	0.0
277	90.0	60.0	0.0	278	105.0	60.0	0.0	279	120.0	60.0	0.0
280	150.0	60.0	0.0	281	0.0	90.0	0.0	282	20.0	90.0	0.0
283	30.0	90.0	0.0	284	60.0	90.0	0.0	285	90.0	90.0	0.0
286	105.0	90.0	0.0	287	120.0	90.0	0.0	288	150.0	90.0	0.0
289	0.0	120.0	0.0	290	20.0	120.0	0.0	291	30.0	120.0	0.0
292	60.0	120.0	0.0	293	90.0	120.0	0.0	294	105.0	120.0	0.0
295	120.0	120.0	0.0	296	150.0	120.0	0.0	297	20.0	130.0	0.0
298	30.0	130.0	0.0	299	60.0	130.0	0.0	300	90.0	130.0	0.0
301	105.0	130.0	0.0	302	120.0	130.0	0.0	303	0.0	150.0	0.0
304	30.0	150.0	0.0	305	60.0	150.0	0.0	306	90.0	150.0	0.0

307	120.0	150.0	0.0	308	150.0	150.0	0.0

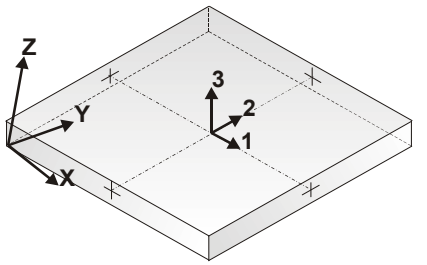
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

LEGENDA TABELLA DATI SHELL

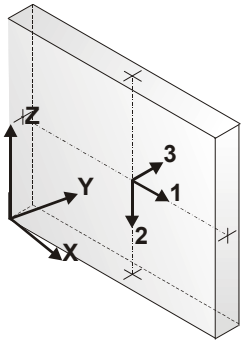
Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

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

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

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
8	MENSOLE CON ELEMENTI PLATE E MATERIALE ORTOTROPO
10	PIASTRA CON ELEMENTI PLATE E MATERIALE ORTOTROPO
21	DRILLING
25	TENSIONI DI ELEMENTI PLATE
31	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON PUNTI FISSI IMPORTATA DA FILE .DXF
32	REALIZZAZIONE DI MESH PIANA SU GEOMETRIA CON SEGMENTI E FORI INTERNI IMPORTATA DA FILE .DXF
33	REALIZZAZIONE DI MESH PIANE SU GEOMETRIE COSTRUITE IN PRO_SAP
34	ANALISI DI BUCKLING DI PIASTRA ISOTROPA

35	ANALISI DI BUCKLING DI UN CILINDRO COMPRESSO INCASTRATO ALLA BASE
36	ANALISI DI PARETI FORATE
37	BIMETALLIC STRIP (NAFEMS EXERCISE 6)
38	ANALISI ELASTICA DI PIASTRA CON INTAGLIO CIRCOLARE (FLAT BAR WITH EDGE NOTCHES-NAFEMS EXERCISE 9)
39	PLATEA NERVATA
45	VERIFICA A PUNZONAMENTO ALLO SLU DI PIASTRE IN C.A.
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI

Vasca pe alloggiamento impianto di sollevamento

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Svincolo	Wink V daN/cm3	Wink O daN/cm3
1	Guscio fond.	1	2	13	12	3	50.0		0.18	0.10
2	Guscio fond.	2	3	14	13	3	50.0		0.18	0.10
3	Guscio fond.	3	4	15	14	3	50.0		0.18	0.10
4	Guscio fond.	4	5	16	15	3	50.0		0.18	0.10
5	Guscio fond.	5	6	17	16	3	50.0		0.18	0.10
6	Guscio fond.	6	7	18	17	3	50.0		0.18	0.10
7	Guscio fond.	7	8	19	18	3	50.0		0.18	0.10
8	Guscio fond.	8	9	20	19	3	50.0		0.18	0.10
9	Guscio fond.	9	10	21	20	3	50.0		0.18	0.10
10	Guscio fond.	10	11	22	21	3	50.0		0.18	0.10
11	Guscio fond.	12	13	24	23	3	50.0		0.18	0.10
12	Guscio fond.	13	14	25	24	3	50.0		0.18	0.10
13	Guscio fond.	14	15	26	25	3	50.0		0.18	0.10
14	Guscio fond.	15	16	27	26	3	50.0		0.18	0.10
15	Guscio fond.	16	17	28	27	3	50.0		0.18	0.10
16	Guscio fond.	17	18	29	28	3	50.0		0.18	0.10
17	Guscio fond.	18	19	30	29	3	50.0		0.18	0.10
18	Guscio fond.	19	20	31	30	3	50.0		0.18	0.10
19	Guscio fond.	20	21	32	31	3	50.0		0.18	0.10
20	Guscio fond.	21	22	33	32	3	50.0		0.18	0.10
21	Guscio fond.	23	24	35	34	3	50.0		0.18	0.10
22	Guscio fond.	24	25	36	35	3	50.0		0.18	0.10
23	Guscio fond.	25	26	37	36	3	50.0		0.18	0.10
24	Guscio fond.	26	27	38	37	3	50.0		0.18	0.10
25	Guscio fond.	27	28	39	38	3	50.0		0.18	0.10
26	Guscio fond.	28	29	40	39	3	50.0		0.18	0.10
27	Guscio fond.	29	30	41	40	3	50.0		0.18	0.10
28	Guscio fond.	30	31	42	41	3	50.0		0.18	0.10
29	Guscio fond.	31	32	43	42	3	50.0		0.18	0.10
30	Guscio fond.	32	33	44	43	3	50.0		0.18	0.10
31	Guscio fond.	34	35	46	45	3	50.0		0.18	0.10
32	Guscio fond.	35	36	47	46	3	50.0		0.18	0.10
33	Guscio fond.	36	37	48	47	3	50.0		0.18	0.10
34	Guscio fond.	37	38	49	48	3	50.0		0.18	0.10
35	Guscio fond.	38	39	50	49	3	50.0		0.18	0.10
36	Guscio fond.	39	40	51	50	3	50.0		0.18	0.10
37	Guscio fond.	40	41	52	51	3	50.0		0.18	0.10
38	Guscio fond.	41	42	53	52	3	50.0		0.18	0.10
39	Guscio fond.	42	43	54	53	3	50.0		0.18	0.10
40	Guscio fond.	43	44	55	54	3	50.0		0.18	0.10
41	Guscio fond.	45	46	57	56	3	50.0		0.18	0.10
42	Guscio fond.	46	47	58	57	3	50.0		0.18	0.10
43	Guscio fond.	47	48	59	58	3	50.0		0.18	0.10
44	Guscio fond.	48	49	60	59	3	50.0		0.18	0.10
45	Guscio fond.	49	50	61	60	3	50.0		0.18	0.10
46	Guscio fond.	50	51	62	61	3	50.0		0.18	0.10
47	Guscio fond.	51	52	63	62	3	50.0		0.18	0.10
48	Guscio fond.	52	53	64	63	3	50.0		0.18	0.10
49	Guscio fond.	53	54	65	64	3	50.0		0.18	0.10
50	Guscio fond.	54	55	66	65	3	50.0		0.18	0.10
51	Guscio fond.	56	57	68	67	3	50.0		0.18	0.10
52	Guscio fond.	57	58	69	68	3	50.0		0.18	0.10
53	Guscio fond.	58	59	70	69	3	50.0		0.18	0.10
54	Guscio fond.	59	60	71	70	3	50.0		0.18	0.10
55	Guscio fond.	60	61	72	71	3	50.0		0.18	0.10
56	Guscio fond.	61	62	73	72	3	50.0		0.18	0.10
57	Guscio fond.	62	63	74	73	3	50.0		0.18	0.10
58	Guscio fond.	63	64	75	74	3	50.0		0.18	0.10
59	Guscio fond.	64	65	76	75	3	50.0		0.18	0.10
60	Guscio fond.	65	66	77	76	3	50.0		0.18	0.10

61	Guscio fond.	67	68	79	78	3	50.0	0.18	0.10
62	Guscio fond.	68	69	80	79	3	50.0	0.18	0.10
63	Guscio fond.	69	70	81	80	3	50.0	0.18	0.10
64	Guscio fond.	70	71	82	81	3	50.0	0.18	0.10
65	Guscio fond.	71	72	83	82	3	50.0	0.18	0.10
66	Guscio fond.	72	73	84	83	3	50.0	0.18	0.10
67	Guscio fond.	73	74	85	84	3	50.0	0.18	0.10
68	Guscio fond.	74	75	86	85	3	50.0	0.18	0.10
69	Guscio fond.	75	76	87	86	3	50.0	0.18	0.10
70	Guscio fond.	76	77	88	87	3	50.0	0.18	0.10
71	Guscio fond.	78	79	90	89	3	50.0	0.18	0.10
72	Guscio fond.	79	80	91	90	3	50.0	0.18	0.10
73	Guscio fond.	80	81	92	91	3	50.0	0.18	0.10
74	Guscio fond.	81	82	93	92	3	50.0	0.18	0.10
75	Guscio fond.	82	83	94	93	3	50.0	0.18	0.10
76	Guscio fond.	83	84	95	94	3	50.0	0.18	0.10
77	Guscio fond.	84	85	96	95	3	50.0	0.18	0.10
78	Guscio fond.	85	86	97	96	3	50.0	0.18	0.10
79	Guscio fond.	86	87	98	97	3	50.0	0.18	0.10
80	Guscio fond.	87	88	99	98	3	50.0	0.18	0.10
81	Guscio fond.	89	90	101	100	3	50.0	0.18	0.10
82	Guscio fond.	90	91	102	101	3	50.0	0.18	0.10
83	Guscio fond.	91	92	103	102	3	50.0	0.18	0.10
84	Guscio fond.	92	93	104	103	3	50.0	0.18	0.10
85	Guscio fond.	93	94	105	104	3	50.0	0.18	0.10
86	Guscio fond.	94	95	106	105	3	50.0	0.18	0.10
87	Guscio fond.	95	96	107	106	3	50.0	0.18	0.10
88	Guscio fond.	96	97	108	107	3	50.0	0.18	0.10
89	Guscio fond.	97	98	109	108	3	50.0	0.18	0.10
90	Guscio fond.	98	99	110	109	3	50.0	0.18	0.10
91	Guscio fond.	100	101	112	111	3	50.0	0.18	0.10
92	Guscio fond.	101	102	113	112	3	50.0	0.18	0.10
93	Guscio fond.	102	103	114	113	3	50.0	0.18	0.10
94	Guscio fond.	103	104	115	114	3	50.0	0.18	0.10
95	Guscio fond.	104	105	116	115	3	50.0	0.18	0.10
96	Guscio fond.	105	106	117	116	3	50.0	0.18	0.10
97	Guscio fond.	106	107	118	117	3	50.0	0.18	0.10
98	Guscio fond.	107	108	119	118	3	50.0	0.18	0.10
99	Guscio fond.	108	109	120	119	3	50.0	0.18	0.10
100	Guscio fond.	109	110	121	120	3	50.0	0.18	0.10
101	Guscio fond.	120	121	123	124	3	50.0	0.18	0.10
102	Guscio fond.	119	120	124	125	3	50.0	0.18	0.10
103	Guscio fond.	118	119	125	126	3	50.0	0.18	0.10
104	Guscio fond.	117	118	126	127	3	50.0	0.18	0.10
105	Guscio fond.	111	112	132	122	3	50.0	0.18	0.10
106	Guscio fond.	116	117	127	128	3	50.0	0.18	0.10
107	Guscio fond.	115	116	128	129	3	50.0	0.18	0.10
108	Guscio fond.	114	115	129	130	3	50.0	0.18	0.10
109	Guscio fond.	113	114	130	131	3	50.0	0.18	0.10
110	Guscio fond.	112	113	131	132	3	50.0	0.18	0.10
111	Guscio fond.	133	122	132		3	50.0	0.18	0.10
112	Guscio fond.	124	123	144	143	3	50.0	0.18	0.10
113	Guscio fond.	125	124	143	142	3	50.0	0.18	0.10
114	Guscio fond.	126	125	142	141	3	50.0	0.18	0.10
115	Guscio fond.	127	126	141	140	3	50.0	0.18	0.10
116	Guscio fond.	128	127	140	139	3	50.0	0.18	0.10
117	Guscio fond.	129	128	139	138	3	50.0	0.18	0.10
118	Guscio fond.	130	129	138	137	3	50.0	0.18	0.10
119	Guscio fond.	131	130	137	136	3	50.0	0.18	0.10
120	Guscio fond.	132	131	136	135	3	50.0	0.18	0.10
121	Guscio fond.	133	132	135	134	3	50.0	0.18	0.10
122	Setto	145	146	2	1	3	20.0		
123	Setto	146	147	3	2	3	20.0		
124	Setto	147	148	4	3	3	20.0		
125	Setto	148	149	5	4	3	20.0		
126	Setto	149	150	6	5	3	20.0		
127	Setto	150	151	7	6	3	20.0		
128	Setto	151	152	8	7	3	20.0		
129	Setto	152	153	9	8	3	20.0		
130	Setto	153	154	10	9	3	20.0		
131	Setto	154	155	11	10	3	20.0		
132	Setto	1	12	156	145	3	20.0		
133	Setto	11	22	157	155	3	20.0		
134	Setto	12	23	158	156	3	20.0		
135	Setto	22	33	159	157	3	20.0		
136	Setto	23	34	160	158	3	20.0		
137	Setto	33	44	161	159	3	20.0		
138	Setto	34	45	162	160	3	20.0		
139	Setto	44	55	163	161	3	20.0		

140	Setto	45	56	164	162	3	20.0
141	Setto	55	66	165	163	3	20.0
142	Setto	56	67	166	164	3	20.0
143	Setto	66	77	167	165	3	20.0
144	Setto	67	78	168	166	3	20.0
145	Setto	77	88	169	167	3	20.0
146	Setto	78	89	170	168	3	20.0
147	Setto	88	99	171	169	3	20.0
148	Setto	89	100	172	170	3	20.0
149	Setto	99	110	173	171	3	20.0
150	Setto	100	111	174	172	3	20.0
151	Setto	110	121	175	173	3	20.0
152	Setto	111	122	176	174	3	20.0
153	Setto	121	123	177	175	3	20.0
154	Setto	122	133	178	176	3	20.0
155	Setto	123	144	189	177	3	20.0
156	Setto	133	134	179	178	3	20.0
157	Setto	179	180	135	134	3	20.0
158	Setto	180	181	136	135	3	20.0
159	Setto	181	182	137	136	3	20.0
160	Setto	182	183	138	137	3	20.0
161	Setto	183	184	139	138	3	20.0
162	Setto	184	185	140	139	3	20.0
163	Setto	185	186	141	140	3	20.0
164	Setto	186	187	142	141	3	20.0
165	Setto	187	188	143	142	3	20.0
166	Setto	188	189	144	143	3	20.0
167	Setto	190	191	146	145	3	20.0
168	Setto	191	192	147	146	3	20.0
169	Setto	192	193	148	147	3	20.0
170	Setto	193	194	149	148	3	20.0
171	Setto	194	195	150	149	3	20.0
172	Setto	195	196	151	150	3	20.0
173	Setto	196	197	152	151	3	20.0
174	Setto	197	198	153	152	3	20.0
175	Setto	198	199	154	153	3	20.0
176	Setto	199	200	155	154	3	20.0
177	Setto	145	156	201	190	3	20.0
178	Setto	155	157	202	200	3	20.0
179	Setto	156	158	203	201	3	20.0
180	Setto	157	159	204	202	3	20.0
181	Setto	158	160	205	203	3	20.0
182	Setto	159	161	206	204	3	20.0
183	Setto	160	162	207	205	3	20.0
184	Setto	161	163	208	206	3	20.0
185	Setto	162	164	209	207	3	20.0
186	Setto	163	165	210	208	3	20.0
187	Setto	164	166	211	209	3	20.0
188	Setto	165	167	212	210	3	20.0
189	Setto	166	168	213	211	3	20.0
190	Setto	167	169	214	212	3	20.0
191	Setto	168	170	215	213	3	20.0
192	Setto	169	171	216	214	3	20.0
193	Setto	170	172	217	215	3	20.0
194	Setto	171	173	218	216	3	20.0
195	Setto	172	174	219	217	3	20.0
196	Setto	173	175	220	218	3	20.0
197	Setto	174	176	221	219	3	20.0
198	Setto	175	177	222	220	3	20.0
199	Setto	176	178	223	221	3	20.0
200	Setto	177	189	234	222	3	20.0
201	Setto	178	179	224	223	3	20.0
202	Setto	224	225	180	179	3	20.0
203	Setto	225	226	181	180	3	20.0
204	Setto	226	227	182	181	3	20.0
205	Setto	227	228	183	182	3	20.0
206	Setto	228	229	184	183	3	20.0
207	Setto	229	230	185	184	3	20.0
208	Setto	230	231	186	185	3	20.0
209	Setto	231	232	187	186	3	20.0
210	Setto	232	233	188	187	3	20.0
211	Setto	233	234	189	188	3	20.0
212	Setto	235	236	227	226	3	20.0
213	Setto	272	235	226	225	3	20.0
214	Setto	236	273	228	227	3	20.0
215	Setto	237	238	191	190	3	20.0
216	Setto	238	239	192	191	3	20.0
217	Setto	239	240	193	192	3	20.0
218	Setto	240	241	194	193	3	20.0

219	Setto	241	242	195	194	3	20.0
220	Setto	242	243	196	195	3	20.0
221	Setto	243	244	197	196	3	20.0
222	Setto	244	245	198	197	3	20.0
223	Setto	245	246	199	198	3	20.0
224	Setto	246	247	200	199	3	20.0
225	Setto	190	201	248	237	3	20.0
226	Setto	200	202	249	247	3	20.0
227	Setto	201	203	250	248	3	20.0
228	Setto	202	204	251	249	3	20.0
229	Setto	203	205	252	250	3	20.0
230	Setto	204	206	253	251	3	20.0
231	Setto	205	207	254	252	3	20.0
232	Setto	206	208	255	253	3	20.0
233	Setto	207	209	256	254	3	20.0
234	Setto	208	210	257	255	3	20.0
235	Setto	209	211	258	256	3	20.0
236	Setto	210	212	259	257	3	20.0
237	Setto	211	213	260	258	3	20.0
238	Setto	212	214	261	259	3	20.0
239	Setto	213	215	262	260	3	20.0
240	Setto	214	216	263	261	3	20.0
241	Setto	215	217	264	262	3	20.0
242	Setto	216	218	265	263	3	20.0
243	Setto	217	219	266	264	3	20.0
244	Setto	218	220	267	265	3	20.0
245	Setto	219	221	268	266	3	20.0
246	Setto	220	222	269	267	3	20.0
247	Setto	221	223	270	268	3	20.0
248	Setto	222	234	279	269	3	20.0
249	Setto	223	224	271	270	3	20.0
250	Setto	271	272	225	224	3	20.0
251	Setto	273	274	229	228	3	20.0
252	Setto	274	275	230	229	3	20.0
253	Setto	275	276	231	230	3	20.0
254	Setto	276	277	232	231	3	20.0
255	Setto	277	278	233	232	3	20.0
256	Setto	278	279	234	233	3	20.0
257	Setto	280	281	238	237	3	20.0
258	Setto	281	282	239	238	3	20.0
259	Setto	282	283	240	239	3	20.0
260	Setto	283	284	241	240	3	20.0
261	Setto	284	285	242	241	3	20.0
262	Setto	285	286	243	242	3	20.0
263	Setto	286	287	244	243	3	20.0
264	Setto	287	288	245	244	3	20.0
265	Setto	288	289	246	245	3	20.0
266	Setto	289	290	247	246	3	20.0
267	Setto	237	248	291	280	3	20.0
268	Setto	247	249	292	290	3	20.0
269	Setto	248	250	293	291	3	20.0
270	Setto	249	251	294	292	3	20.0
271	Setto	250	252	295	293	3	20.0
272	Setto	251	253	296	294	3	20.0
273	Setto	252	254	297	295	3	20.0
274	Setto	253	255	298	296	3	20.0
275	Setto	254	256	299	297	3	20.0
276	Setto	255	257	300	298	3	20.0
277	Setto	256	258	301	299	3	20.0
278	Setto	257	259	302	300	3	20.0
279	Setto	258	260	303	301	3	20.0
280	Setto	259	261	304	302	3	20.0
281	Setto	260	262	305	303	3	20.0
282	Setto	261	263	306	304	3	20.0
283	Setto	262	264	307	305	3	20.0
284	Setto	263	265	308	306	3	20.0
285	Setto	264	266	309	307	3	20.0
286	Setto	265	267	310	308	3	20.0
287	Setto	266	268	311	309	3	20.0
288	Setto	267	269	312	310	3	20.0
289	Setto	268	270	313	311	3	20.0
290	Setto	269	279	322	312	3	20.0
291	Setto	270	271	314	313	3	20.0
292	Setto	314	315	272	271	3	20.0
293	Setto	316	317	274	273	3	20.0
294	Setto	317	318	275	274	3	20.0
295	Setto	318	319	276	275	3	20.0
296	Setto	319	320	277	276	3	20.0
297	Setto	320	321	278	277	3	20.0

298	Setto	321	322	279	278	3	20.0		
299	Setto	315	323	235	272	3	20.0		
300	Setto	324	316	273	236	3	20.0		
301	Setto	304	306	413		3	20.0		
302	Setto	325	326	281	280	3	20.0		
303	Setto	326	327	282	281	3	20.0		
304	Setto	327	328	283	282	3	20.0		
305	Setto	328	329	284	283	3	20.0		
306	Setto	329	330	285	284	3	20.0		
307	Setto	330	331	286	285	3	20.0		
308	Setto	331	332	287	286	3	20.0		
309	Setto	332	333	288	287	3	20.0		
310	Setto	333	334	289	288	3	20.0		
311	Setto	334	335	290	289	3	20.0		
312	Setto	280	291	345	325	3	20.0		
313	Setto	290	292	346	335	3	20.0		
314	Setto	291	293	356	345	3	20.0		
315	Setto	292	294	357	346	3	20.0		
316	Setto	293	295	367	356	3	20.0		
317	Setto	294	296	368	357	3	20.0		
318	Setto	295	297	378	367	3	20.0		
319	Setto	296	298	379	368	3	20.0		
320	Setto	297	299	389	378	3	20.0		
321	Setto	298	300	390	379	3	20.0		
322	Setto	299	301	400	389	3	20.0		
323	Setto	300	302	401	390	3	20.0		
324	Setto	301	303	411	400	3	20.0		
325	Setto	302	304	413	401	3	20.0		
326	Setto	303	305	412	411	3	20.0		
327	Setto	305	307	423	412	3	20.0		
328	Setto	306	308	424	413	3	20.0		
329	Setto	307	309	434	423	3	20.0		
330	Setto	308	310	435	424	3	20.0		
331	Setto	309	311	445	434	3	20.0		
332	Setto	310	312	446	435	3	20.0		
333	Setto	311	313	455	445	3	20.0		
334	Setto	312	322	467	446	3	20.0		
335	Setto	313	314	457	455	3	20.0		
336	Setto	457	458	315	314	3	20.0		
337	Setto	461	462	317	316	3	20.0		
338	Setto	462	463	318	317	3	20.0		
339	Setto	463	464	319	318	3	20.0		
340	Setto	464	465	320	319	3	20.0		
341	Setto	465	466	321	320	3	20.0		
342	Setto	466	467	322	321	3	20.0		
343	Setto	458	459	323	315	3	20.0		
344	Setto	460	461	316	324	3	20.0		
345	Setto	459	460	324	323	3	20.0		
346	Guscio fond.	335	336	347	346	3	50.0	0.18	0.10
347	Guscio fond.	336	337	348	347	3	50.0	0.18	0.10
348	Guscio fond.	337	338	349	348	3	50.0	0.18	0.10
349	Guscio fond.	338	339	350	349	3	50.0	0.18	0.10
350	Guscio fond.	339	340	351	350	3	50.0	0.18	0.10
351	Guscio fond.	340	341	352	351	3	50.0	0.18	0.10
352	Guscio fond.	341	342	353	352	3	50.0	0.18	0.10
353	Guscio fond.	342	343	354	353	3	50.0	0.18	0.10
354	Guscio fond.	343	344	355	354	3	50.0	0.18	0.10
355	Guscio fond.	346	347	358	357	3	50.0	0.18	0.10
356	Guscio fond.	347	348	359	358	3	50.0	0.18	0.10
357	Guscio fond.	348	349	360	359	3	50.0	0.18	0.10
358	Guscio fond.	349	350	361	360	3	50.0	0.18	0.10
359	Guscio fond.	350	351	362	361	3	50.0	0.18	0.10
360	Guscio fond.	351	352	363	362	3	50.0	0.18	0.10
361	Guscio fond.	352	353	364	363	3	50.0	0.18	0.10
362	Guscio fond.	353	354	365	364	3	50.0	0.18	0.10
363	Guscio fond.	354	355	366	365	3	50.0	0.18	0.10
364	Guscio fond.	357	358	369	368	3	50.0	0.18	0.10
365	Guscio fond.	358	359	370	369	3	50.0	0.18	0.10
366	Guscio fond.	359	360	371	370	3	50.0	0.18	0.10
367	Guscio fond.	360	361	372	371	3	50.0	0.18	0.10
368	Guscio fond.	361	362	373	372	3	50.0	0.18	0.10
369	Guscio fond.	362	363	374	373	3	50.0	0.18	0.10
370	Guscio fond.	363	364	375	374	3	50.0	0.18	0.10
371	Guscio fond.	364	365	376	375	3	50.0	0.18	0.10
372	Guscio fond.	365	366	377	376	3	50.0	0.18	0.10
373	Guscio fond.	368	369	380	379	3	50.0	0.18	0.10
374	Guscio fond.	369	370	381	380	3	50.0	0.18	0.10
375	Guscio fond.	370	371	382	381	3	50.0	0.18	0.10
376	Guscio fond.	371	372	383	382	3	50.0	0.18	0.10

377	Guscio fond.	372	373	384	383	3	50.0	0.18	0.10
378	Guscio fond.	373	374	385	384	3	50.0	0.18	0.10
379	Guscio fond.	374	375	386	385	3	50.0	0.18	0.10
380	Guscio fond.	375	376	387	386	3	50.0	0.18	0.10
381	Guscio fond.	376	377	388	387	3	50.0	0.18	0.10
382	Guscio fond.	379	380	391	390	3	50.0	0.18	0.10
383	Guscio fond.	380	381	392	391	3	50.0	0.18	0.10
384	Guscio fond.	381	382	393	392	3	50.0	0.18	0.10
385	Guscio fond.	382	383	394	393	3	50.0	0.18	0.10
386	Guscio fond.	383	384	395	394	3	50.0	0.18	0.10
387	Guscio fond.	384	385	396	395	3	50.0	0.18	0.10
388	Guscio fond.	385	386	397	396	3	50.0	0.18	0.10
389	Guscio fond.	386	387	398	397	3	50.0	0.18	0.10
390	Guscio fond.	387	388	399	398	3	50.0	0.18	0.10
391	Guscio fond.	390	391	402	401	3	50.0	0.18	0.10
392	Guscio fond.	391	392	403	402	3	50.0	0.18	0.10
393	Guscio fond.	392	393	404	403	3	50.0	0.18	0.10
394	Guscio fond.	393	394	405	404	3	50.0	0.18	0.10
395	Guscio fond.	394	395	406	405	3	50.0	0.18	0.10
396	Guscio fond.	395	396	407	406	3	50.0	0.18	0.10
397	Guscio fond.	396	397	408	407	3	50.0	0.18	0.10
398	Guscio fond.	397	398	409	408	3	50.0	0.18	0.10
399	Guscio fond.	398	399	410	409	3	50.0	0.18	0.10
400	Guscio fond.	401	402	414	413	3	50.0	0.18	0.10
401	Guscio fond.	402	403	415	414	3	50.0	0.18	0.10
402	Guscio fond.	403	404	416	415	3	50.0	0.18	0.10
403	Guscio fond.	404	405	417	416	3	50.0	0.18	0.10
404	Guscio fond.	405	406	418	417	3	50.0	0.18	0.10
405	Guscio fond.	406	407	419	418	3	50.0	0.18	0.10
406	Guscio fond.	407	408	420	419	3	50.0	0.18	0.10
407	Guscio fond.	408	409	421	420	3	50.0	0.18	0.10
408	Guscio fond.	409	410	422	421	3	50.0	0.18	0.10
409	Guscio fond.	413	414	425	424	3	50.0	0.18	0.10
410	Guscio fond.	414	415	426	425	3	50.0	0.18	0.10
411	Guscio fond.	415	416	427	426	3	50.0	0.18	0.10
412	Guscio fond.	416	417	428	427	3	50.0	0.18	0.10
413	Guscio fond.	417	418	429	428	3	50.0	0.18	0.10
414	Guscio fond.	418	419	430	429	3	50.0	0.18	0.10
415	Guscio fond.	419	420	431	430	3	50.0	0.18	0.10
416	Guscio fond.	420	421	432	431	3	50.0	0.18	0.10
417	Guscio fond.	421	422	433	432	3	50.0	0.18	0.10
418	Guscio fond.	424	425	436	435	3	50.0	0.18	0.10
419	Guscio fond.	425	426	437	436	3	50.0	0.18	0.10
420	Guscio fond.	426	427	438	437	3	50.0	0.18	0.10
421	Guscio fond.	427	428	439	438	3	50.0	0.18	0.10
422	Guscio fond.	428	429	440	439	3	50.0	0.18	0.10
423	Guscio fond.	429	430	441	440	3	50.0	0.18	0.10
424	Guscio fond.	430	431	442	441	3	50.0	0.18	0.10
425	Guscio fond.	431	432	443	442	3	50.0	0.18	0.10
426	Guscio fond.	432	433	444	443	3	50.0	0.18	0.10
427	Guscio fond.	435	436	447	446	3	50.0	0.18	0.10
428	Guscio fond.	436	437	448	447	3	50.0	0.18	0.10
429	Guscio fond.	437	438	449	448	3	50.0	0.18	0.10
430	Guscio fond.	438	439	450	449	3	50.0	0.18	0.10
431	Guscio fond.	439	440	451	450	3	50.0	0.18	0.10
432	Guscio fond.	440	441	452	451	3	50.0	0.18	0.10
433	Guscio fond.	441	442	453	452	3	50.0	0.18	0.10
434	Guscio fond.	442	443	454	453	3	50.0	0.18	0.10
435	Guscio fond.	443	444	456	454	3	50.0	0.18	0.10
436	Guscio fond.	446	447	468	467	3	50.0	0.18	0.10
437	Guscio fond.	447	448	469	468	3	50.0	0.18	0.10
438	Guscio fond.	448	449	470	469	3	50.0	0.18	0.10
439	Guscio fond.	449	450	471	470	3	50.0	0.18	0.10
440	Guscio fond.	450	451	472	471	3	50.0	0.18	0.10
441	Guscio fond.	451	452	473	472	3	50.0	0.18	0.10
442	Guscio fond.	452	453	474	473	3	50.0	0.18	0.10
443	Guscio fond.	453	454	475	474	3	50.0	0.18	0.10
444	Guscio fond.	454	456	476	475	3	50.0	0.18	0.10
445	Setto	477	478	326	325	3	20.0		
446	Setto	478	479	327	326	3	20.0		
447	Setto	479	480	328	327	3	20.0		
448	Setto	480	481	329	328	3	20.0		
449	Setto	481	482	330	329	3	20.0		
450	Setto	482	483	331	330	3	20.0		
451	Setto	483	484	332	331	3	20.0		
452	Setto	484	485	333	332	3	20.0		
453	Setto	485	486	334	333	3	20.0		
454	Setto	486	487	335	334	3	20.0		
455	Setto	487	488	336	335	3	20.0		

456	Setto	488	489	337	336	3	20.0
457	Setto	489	490	338	337	3	20.0
458	Setto	490	491	339	338	3	20.0
459	Setto	491	492	340	339	3	20.0
460	Setto	492	493	341	340	3	20.0
461	Setto	493	494	342	341	3	20.0
462	Setto	494	495	343	342	3	20.0
463	Setto	495	496	344	343	3	20.0
464	Setto	325	345	497	477	3	20.0
465	Setto	335	346	498	487	3	20.0
466	Setto	344	355	499	496	3	20.0
467	Setto	345	356	500	497	3	20.0
468	Setto	355	366	501	499	3	20.0
469	Setto	356	367	502	500	3	20.0
470	Setto	366	377	503	501	3	20.0
471	Setto	367	378	504	502	3	20.0
472	Setto	377	388	505	503	3	20.0
473	Setto	378	389	506	504	3	20.0
474	Setto	389	400	507	506	3	20.0
475	Setto	400	411	508	507	3	20.0
476	Setto	411	412	509	508	3	20.0
477	Setto	412	423	511	509	3	20.0
478	Setto	422	433	512	510	3	20.0
479	Setto	423	434	513	511	3	20.0
480	Setto	433	444	515	512	3	20.0
481	Setto	434	445	516	513	3	20.0
482	Setto	444	456	518	515	3	20.0
483	Setto	445	455	517	516	3	20.0
484	Setto	455	457	519	517	3	20.0
485	Setto	456	476	537	518	3	20.0
486	Setto	519	520	458	457	3	20.0
487	Setto	520	521	459	458	3	20.0
488	Setto	521	522	460	459	3	20.0
489	Setto	522	523	461	460	3	20.0
490	Setto	523	524	462	461	3	20.0
491	Setto	524	525	463	462	3	20.0
492	Setto	525	526	464	463	3	20.0
493	Setto	526	527	465	464	3	20.0
494	Setto	527	528	466	465	3	20.0
495	Setto	529	530	469	468	3	20.0
496	Setto	530	531	470	469	3	20.0
497	Setto	531	532	471	470	3	20.0
498	Setto	532	533	472	471	3	20.0
499	Setto	533	534	473	472	3	20.0
500	Setto	534	535	474	473	3	20.0
501	Setto	535	536	475	474	3	20.0
502	Setto	536	537	476	475	3	20.0
503	Setto	435	446	538	514	3	20.0
504	Setto	346	357	539	498	3	20.0
505	Setto	410	422	510	546	3	20.0
506	Setto	424	435	514	549	3	20.0
507	Setto	528	550	467	466	3	20.0
508	Setto	550	529	468	467	3	20.0
509	Setto	446	467	550	538	3	20.0
510	Setto	357	368	540	539	3	20.0
511	Setto	368	379	541	540	3	20.0
512	Setto	379	390	543	541	3	20.0
513	Setto	388	399	544	542	3	20.0
514	Setto	390	401	545	543	3	20.0
515	Setto	399	410	546	544	3	20.0
516	Setto	401	413	547	545	3	20.0
517	Setto	413	424	549	548	3	20.0
518	Setto	505	388	542		3	20.0
519	Setto	547	413	548		3	20.0
520	Setto	551	552	478	477	3	20.0
521	Setto	552	553	479	478	3	20.0
522	Setto	553	554	480	479	3	20.0
523	Setto	554	555	481	480	3	20.0
524	Setto	555	556	482	481	3	20.0
525	Setto	556	557	483	482	3	20.0
526	Setto	557	558	484	483	3	20.0
527	Setto	558	559	485	484	3	20.0
528	Setto	559	560	486	485	3	20.0
529	Setto	560	561	487	486	3	20.0
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531	Setto	562	563	489	488	3	20.0
532	Setto	563	564	490	489	3	20.0
533	Setto	564	565	491	490	3	20.0
534	Setto	565	566	492	491	3	20.0

535	Setto	566	567	493	492	3	20.0
536	Setto	567	568	494	493	3	20.0
537	Setto	568	569	495	494	3	20.0
538	Setto	569	570	496	495	3	20.0
539	Setto	477	497	571	551	3	20.0
540	Setto	487	498	572	561	3	20.0
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542	Setto	497	500	574	571	3	20.0
543	Setto	499	501	575	573	3	20.0
544	Setto	500	502	576	574	3	20.0
545	Setto	501	503	577	575	3	20.0
546	Setto	502	504	578	576	3	20.0
547	Setto	503	505	579	577	3	20.0
548	Setto	504	506	580	578	3	20.0
549	Setto	506	507	581	580	3	20.0
550	Setto	507	508	582	581	3	20.0
551	Setto	508	509	583	582	3	20.0
552	Setto	509	511	585	583	3	20.0
553	Setto	510	512	586	584	3	20.0
554	Setto	511	513	587	585	3	20.0
555	Setto	512	515	589	586	3	20.0
556	Setto	513	516	590	587	3	20.0
557	Setto	515	518	592	589	3	20.0
558	Setto	516	517	591	590	3	20.0
559	Setto	517	519	593	591	3	20.0
560	Setto	518	537	611	592	3	20.0
561	Setto	593	594	520	519	3	20.0
562	Setto	594	595	521	520	3	20.0
563	Setto	595	596	522	521	3	20.0
564	Setto	596	597	523	522	3	20.0
565	Setto	597	598	524	523	3	20.0
566	Setto	598	599	525	524	3	20.0
567	Setto	599	600	526	525	3	20.0
568	Setto	600	601	527	526	3	20.0
569	Setto	601	602	528	527	3	20.0
570	Setto	603	604	530	529	3	20.0
571	Setto	604	605	531	530	3	20.0
572	Setto	605	606	532	531	3	20.0
573	Setto	606	607	533	532	3	20.0
574	Setto	607	608	534	533	3	20.0
575	Setto	608	609	535	534	3	20.0
576	Setto	609	610	536	535	3	20.0
577	Setto	610	611	537	536	3	20.0
578	Setto	514	538	612	588	3	20.0
579	Setto	498	539	613	572	3	20.0
580	Setto	505	542	616	579	3	20.0
581	Setto	546	510	584	620	3	20.0
582	Setto	549	514	588	623	3	20.0
583	Setto	602	624	550	528	3	20.0
584	Setto	624	603	529	550	3	20.0
585	Setto	538	550	624	612	3	20.0
586	Setto	540	541	615	614	3	20.0
587	Setto	545	547	621	619	3	20.0
588	Setto	547	548	622	621	3	20.0
589	Setto	625	626	552	551	3	20.0
590	Setto	626	627	553	552	3	20.0
591	Setto	627	628	554	553	3	20.0
592	Setto	628	629	555	554	3	20.0
593	Setto	629	630	556	555	3	20.0
594	Setto	630	631	557	556	3	20.0
595	Setto	631	632	558	557	3	20.0
596	Setto	632	633	559	558	3	20.0
597	Setto	633	634	560	559	3	20.0
598	Setto	634	635	561	560	3	20.0
599	Setto	635	636	562	561	3	20.0
600	Setto	636	637	563	562	3	20.0
601	Setto	637	638	564	563	3	20.0
602	Setto	638	639	565	564	3	20.0
603	Setto	639	640	566	565	3	20.0
604	Setto	640	641	567	566	3	20.0
605	Setto	641	642	568	567	3	20.0
606	Setto	642	643	569	568	3	20.0
607	Setto	643	644	570	569	3	20.0
608	Setto	551	571	645	625	3	20.0
609	Setto	561	572	646	635	3	20.0
610	Setto	570	573	647	644	3	20.0
611	Setto	571	574	649	645	3	20.0
612	Setto	573	575	650	647	3	20.0
613	Setto	574	576	652	649	3	20.0

614	Setto	575	577	653	650	3	20.0
615	Setto	576	578	654	652	3	20.0
616	Setto	577	579	655	653	3	20.0
617	Setto	578	580	658	654	3	20.0
618	Setto	580	581	662	658	3	20.0
619	Setto	581	582	664	662	3	20.0
620	Setto	582	583	666	664	3	20.0
621	Setto	583	585	669	666	3	20.0
622	Setto	584	586	670	667	3	20.0
623	Setto	585	587	672	669	3	20.0
624	Setto	586	589	674	670	3	20.0
625	Setto	587	590	675	672	3	20.0
626	Setto	589	592	678	674	3	20.0
627	Setto	590	591	677	675	3	20.0
628	Setto	591	593	679	677	3	20.0
629	Setto	592	611	698	678	3	20.0
630	Setto	679	680	594	593	3	20.0
631	Setto	680	681	595	594	3	20.0
632	Setto	681	682	596	595	3	20.0
633	Setto	682	683	597	596	3	20.0
634	Setto	683	684	598	597	3	20.0
635	Setto	684	685	599	598	3	20.0
636	Setto	685	686	600	599	3	20.0
637	Setto	686	687	601	600	3	20.0
638	Setto	687	688	602	601	3	20.0
639	Setto	690	691	604	603	3	20.0
640	Setto	691	692	605	604	3	20.0
641	Setto	692	693	606	605	3	20.0
642	Setto	693	694	607	606	3	20.0
643	Setto	694	695	608	607	3	20.0
644	Setto	695	696	609	608	3	20.0
645	Setto	696	697	610	609	3	20.0
646	Setto	697	698	611	610	3	20.0
647	Setto	588	612	676	673	3	20.0
648	Setto	572	613	648	646	3	20.0
649	Setto	579	616	657	655	3	20.0
650	Setto	620	584	667	663	3	20.0
651	Setto	623	588	673	671	3	20.0
652	Setto	688	689	624	602	3	20.0
653	Setto	689	690	603	624	3	20.0
654	Setto	612	624	689	676	3	20.0
655	Setto	613	614	651	648	3	20.0
656	Setto	614	615	656	651	3	20.0
657	Setto	615	617	659	656	3	20.0
658	Setto	616	618	660	657	3	20.0
659	Setto	617	619	661	659	3	20.0
660	Setto	618	620	663	660	3	20.0
661	Setto	619	621	665	661	3	20.0
662	Setto	621	622	668	665	3	20.0
663	Setto	622	623	671	668	3	20.0
664	Setto	699	700	626	625	3	20.0
665	Setto	700	701	627	626	3	20.0
666	Setto	701	702	628	627	3	20.0
667	Setto	702	703	629	628	3	20.0
668	Setto	703	704	630	629	3	20.0
669	Setto	704	705	631	630	3	20.0
670	Setto	705	706	632	631	3	20.0
671	Setto	706	707	633	632	3	20.0
672	Setto	707	708	634	633	3	20.0
673	Setto	708	709	635	634	3	20.0
674	Setto	709	710	636	635	3	20.0
675	Setto	710	711	637	636	3	20.0
676	Setto	711	712	638	637	3	20.0
677	Setto	712	713	639	638	3	20.0
678	Setto	713	714	640	639	3	20.0
679	Setto	714	715	641	640	3	20.0
680	Setto	715	716	642	641	3	20.0
681	Setto	716	717	643	642	3	20.0
682	Setto	717	718	644	643	3	20.0
683	Setto	625	645	719	699	3	20.0
684	Setto	635	646	720	709	3	20.0
685	Setto	644	647	721	718	3	20.0
686	Setto	646	648	723	720	3	20.0
687	Setto	645	649	722	719	3	20.0
688	Setto	647	650	724	721	3	20.0
689	Setto	648	651	726	723	3	20.0
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691	Setto	650	653	727	724	3	20.0
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693	Setto	653	655	730	727	3	20.0
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695	Setto	655	657	731	730	3	20.0
696	Setto	654	658	732	728	3	20.0
697	Setto	656	659	733	729	3	20.0
698	Setto	657	660	734	731	3	20.0
699	Setto	659	661	736	733	3	20.0
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702	Setto	661	665	739	736	3	20.0
703	Setto	662	664	738	735	3	20.0
704	Setto	663	667	742	737	3	20.0
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706	Setto	665	668	741	739	3	20.0
707	Setto	666	669	743	740	3	20.0
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711	Setto	670	674	748	745	3	20.0
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713	Setto	672	675	749	746	3	20.0
714	Setto	673	676	750	747	3	20.0
715	Setto	674	678	752	748	3	20.0
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722	Setto	755	756	682	681	3	20.0
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724	Setto	757	758	684	683	3	20.0
725	Setto	758	759	685	684	3	20.0
726	Setto	759	760	686	685	3	20.0
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728	Setto	761	762	688	687	3	20.0
729	Setto	762	763	689	688	3	20.0
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733	Setto	766	767	693	692	3	20.0
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737	Setto	772	773	700	699	3	20.0
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745	Setto	780	781	708	707	3	20.0
746	Setto	781	782	709	708	3	20.0
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751	Setto	786	787	714	713	3	20.0
752	Setto	787	788	715	714	3	20.0
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754	Setto	789	790	717	716	3	20.0
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756	Setto	699	719	792	772	3	20.0
757	Setto	709	720	793	782	3	20.0
758	Setto	718	721	794	791	3	20.0
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761	Setto	721	724	797	794	3	20.0
762	Setto	722	725	798	795	3	20.0
763	Setto	723	726	799	796	3	20.0
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765	Setto	725	728	801	798	3	20.0
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767	Setto	727	730	803	800	3	20.0
768	Setto	730	731	804	803	3	20.0
769	Setto	728	732	805	801	3	20.0
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774	Setto	734	737	810	807	3	20.0
775	Setto	735	738	811	808	3	20.0
776	Setto	736	739	812	809	3	20.0
777	Setto	737	742	815	810	3	20.0
778	Setto	738	740	813	811	3	20.0
779	Setto	739	741	814	812	3	20.0
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781	Setto	741	744	817	814	3	20.0
782	Setto	742	745	818	815	3	20.0
783	Setto	743	746	819	816	3	20.0
784	Setto	744	747	820	817	3	20.0
785	Setto	745	748	821	818	3	20.0
786	Setto	746	749	822	819	3	20.0
787	Setto	747	750	823	820	3	20.0
788	Setto	748	752	825	821	3	20.0
789	Setto	749	751	824	822	3	20.0
790	Setto	750	763	836	823	3	20.0
791	Setto	751	753	826	824	3	20.0
792	Setto	752	771	845	825	3	20.0
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794	Setto	827	828	755	754	3	20.0
795	Setto	828	829	756	755	3	20.0
796	Setto	829	830	757	756	3	20.0
797	Setto	830	831	758	757	3	20.0
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801	Setto	834	835	762	761	3	20.0
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805	Setto	838	839	766	765	3	20.0
806	Setto	839	840	767	766	3	20.0
807	Setto	840	841	768	767	3	20.0
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810	Setto	846	847	773	772	3	20.0
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824	Setto	860	861	787	786	3	20.0
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836	Setto	796	799	873	870	3	20.0
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847	Setto	807	810	884	881	3	20.0
848	Setto	808	811	885	882	3	20.0
849	Setto	809	812	886	883	3	20.0
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855	Setto	815	818	892	889	3	20.0
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857	Setto	817	820	894	891	3	20.0
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893	Setto	927	928	854	853	3	20.0
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896	Setto	930	931	857	856	3	20.0
897	Setto	931	932	858	857	3	20.0
898	Setto	932	933	859	858	3	20.0
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916	Setto	874	877	1015	995	3	20.0
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960	Guscio	920	921	941	940	3	30.0
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962	Guscio	922	923	943	942	3	30.0
963	Guscio	923	924	944	943	3	30.0
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966	Guscio	931	932	948	947	3	30.0
967	Guscio	932	933	949	948	3	30.0
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969	Guscio	934	935	951	950	3	30.0
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971	Guscio	936	937	953	952	3	30.0
972	Guscio	937	938	954	953	3	30.0
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974	Guscio	924	925	956	944	3	30.0
975	Guscio	928	929	945	959	3	30.0
976	Guscio	925	926	957	956	3	30.0
977	Guscio	926	927	958	957	3	30.0
978	Guscio	927	928	959	958	3	30.0
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980	Guscio	941	942	962	961	3	30.0
981	Guscio	942	943	963	962	3	30.0
982	Guscio	943	944	964	963	3	30.0
983	Guscio	945	946	966	965	3	30.0
984	Guscio	946	947	967	966	3	30.0
985	Guscio	947	948	968	967	3	30.0
986	Guscio	948	949	969	968	3	30.0
987	Guscio	949	950	970	969	3	30.0
988	Guscio	950	951	971	970	3	30.0
989	Guscio	951	952	972	971	3	30.0
990	Guscio	952	953	973	972	3	30.0
991	Guscio	953	954	974	973	3	30.0
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993	Guscio	944	956	976	964	3	30.0
994	Guscio	959	945	965	979	3	30.0
995	Guscio	956	957	977	976	11	1.0
996	Guscio	957	958	978	977	11	1.0
997	Guscio	958	959	979	978	11	1.0
998	Guscio	960	961	981	980	3	30.0
999	Guscio	961	962	982	981	3	30.0
1000	Guscio	962	963	983	982	3	30.0
1001	Guscio	963	964	984	983	3	30.0
1002	Guscio	965	966	986	985	3	30.0
1003	Guscio	966	967	987	986	3	30.0
1004	Guscio	967	968	988	987	11	1.0
1005	Guscio	968	969	989	988	11	1.0
1006	Guscio	969	970	990	989	11	1.0
1007	Guscio	970	971	991	990	3	30.0
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1009	Guscio	972	973	993	992	3	30.0
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1011	Guscio	974	975	995	994	3	30.0
1012	Guscio	964	976	996	984	3	30.0
1013	Guscio	979	965	985	999	3	30.0
1014	Guscio	976	977	997	996	11	1.0
1015	Guscio	977	978	998	997	11	1.0
1016	Guscio	978	979	999	998	11	1.0
1017	Guscio	980	981	1001	1000	3	30.0
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1019	Guscio	982	983	1003	1002	3	30.0
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1024	Guscio	988	989	1009	1008	11	1.0
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1032	Guscio	999	985	1005	1019	3	30.0
1033	Guscio	996	997	1017	1016	3	30.0
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1045	Guscio	1000	1001	1030	1029	3	30.0
1046	Guscio	1001	1002	1031	1030	3	30.0
1047	Guscio	1002	1003	1032	1031	3	30.0
1048	Guscio	1003	1004	1033	1032	3	30.0
1049	Guscio	1005	1006	1035	1034	3	30.0
1050	Guscio	1004	1016	1045	1033	3	30.0
1051	Guscio	1019	1005	1034	1048	3	30.0
1052	Guscio	1006	1020	1036	1035	3	30.0
1053	Guscio	1016	1017	1046	1045	11	1.0
1054	Guscio	1017	1018	1047	1046	11	1.0
1055	Guscio	1018	1019	1048	1047	11	1.0
1056	Guscio	1020	1021	1037	1036	3	30.0
1057	Guscio	1021	1022	1038	1037	3	30.0
1058	Guscio	1022	1023	1039	1038	3	30.0
1059	Guscio	1023	1024	1040	1039	3	30.0
1060	Guscio	1024	1025	1041	1040	3	30.0
1061	Guscio	1025	1026	1042	1041	3	30.0
1062	Guscio	1026	1027	1043	1042	3	30.0
1063	Guscio	1027	1028	1044	1043	3	30.0
1064	Guscio	1029	1030	1050	1049	3	30.0
1065	Guscio	1030	1031	1051	1050	3	30.0
1066	Guscio	1031	1032	1052	1051	3	30.0
1067	Guscio	1032	1033	1053	1052	3	30.0
1068	Guscio	1034	1035	1055	1054	3	30.0
1069	Guscio	1035	1036	1056	1055	3	30.0
1070	Guscio	1036	1037	1057	1056	3	30.0
1071	Guscio	1037	1038	1058	1057	3	30.0
1072	Guscio	1038	1039	1059	1058	3	30.0
1073	Guscio	1039	1040	1060	1059	3	30.0
1074	Guscio	1040	1041	1061	1060	3	30.0
1075	Guscio	1041	1042	1062	1061	3	30.0
1076	Guscio	1042	1043	1063	1062	3	30.0
1077	Guscio	1043	1044	1064	1063	3	30.0
1078	Guscio	1033	1045	1065	1053	3	30.0
1079	Guscio	1048	1034	1054	1068	3	30.0
1080	Guscio	1045	1046	1066	1065	11	1.0
1081	Guscio	1046	1047	1067	1066	11	1.0
1082	Guscio	1047	1048	1068	1067	11	1.0
1083	Guscio	1049	1050	1070	1069	3	30.0
1084	Guscio	1050	1051	1071	1070	3	30.0
1085	Guscio	1051	1052	1072	1071	3	30.0
1086	Guscio	1052	1053	1073	1072	3	30.0
1087	Guscio	1053	1065	1074	1073	3	30.0

1088	Guscio	1068	1054	1078	1077	3	30.0
1089	Guscio	1065	1066	1075	1074	3	30.0
1090	Guscio	1066	1067	1076	1075	3	30.0
1091	Guscio	1067	1068	1077	1076	3	30.0
1092	Guscio	1054	1055	1085	1078	3	30.0
1093	Guscio	1055	1056	1086	1085	3	30.0
1094	Guscio	1056	1057	1087	1086	11	1.0
1095	Guscio	1057	1058	1088	1087	11	1.0
1096	Guscio	1058	1059	1089	1088	11	1.0
1097	Guscio	1059	1060	1090	1089	3	30.0
1098	Guscio	1060	1061	1091	1090	3	30.0
1099	Guscio	1061	1062	1092	1091	3	30.0
1100	Guscio	1062	1063	1093	1092	3	30.0
1101	Guscio	1063	1064	1094	1093	3	30.0
1102	Guscio	1069	1070	1080	1079	3	30.0
1103	Guscio	1070	1071	1081	1080	11	1.0
1104	Guscio	1071	1072	1082	1081	11	1.0
1105	Guscio	1072	1073	1083	1082	11	1.0
1106	Guscio	1084	1078	1085		3	30.0
1107	Guscio	1073	1074	1095	1083	3	30.0
1108	Guscio	1077	1078	1084	1098	3	30.0
1109	Guscio	1074	1075	1096	1095	3	30.0
1110	Guscio	1075	1076	1097	1096	3	30.0
1111	Guscio	1076	1077	1098	1097	3	30.0
1112	Guscio	1079	1080	1100	1099	3	30.0
1113	Guscio	1080	1081	1101	1100	11	1.0
1114	Guscio	1081	1082	1102	1101	11	1.0
1115	Guscio	1082	1083	1103	1102	11	1.0
1116	Guscio	1084	1085	1105	1104	3	30.0
1117	Guscio	1085	1086	1106	1105	3	30.0
1118	Guscio	1086	1087	1107	1106	11	1.0
1119	Guscio	1087	1088	1108	1107	11	1.0
1120	Guscio	1088	1089	1109	1108	11	1.0
1121	Guscio	1089	1090	1110	1109	3	30.0
1122	Guscio	1090	1091	1111	1110	3	30.0
1123	Guscio	1091	1092	1112	1111	3	30.0
1124	Guscio	1092	1093	1113	1112	3	30.0
1125	Guscio	1093	1094	1114	1113	3	30.0
1126	Guscio	1083	1095	1115	1103	3	30.0
1127	Guscio	1098	1084	1104	1118	3	30.0
1128	Guscio	1095	1096	1116	1115	11	1.0
1129	Guscio	1096	1097	1117	1116	11	1.0
1130	Guscio	1097	1098	1118	1117	11	1.0
1131	Guscio	1099	1100	1120	1119	3	30.0
1132	Guscio	1100	1101	1121	1120	11	1.0
1133	Guscio	1101	1102	1122	1121	11	1.0
1134	Guscio	1102	1103	1123	1122	11	1.0
1135	Guscio	1104	1105	1125	1124	3	30.0
1136	Guscio	1105	1106	1126	1125	3	30.0
1137	Guscio	1106	1107	1127	1126	11	1.0
1138	Guscio	1107	1108	1128	1127	11	1.0
1139	Guscio	1108	1109	1129	1128	11	1.0
1140	Guscio	1109	1110	1130	1129	3	30.0
1141	Guscio	1110	1111	1131	1130	3	30.0
1142	Guscio	1111	1112	1132	1131	3	30.0
1143	Guscio	1112	1113	1133	1132	3	30.0
1144	Guscio	1113	1114	1134	1133	3	30.0
1145	Guscio	1103	1115	1135	1123	3	30.0
1146	Guscio	1118	1104	1124	1138	3	30.0
1147	Guscio	1115	1116	1136	1135	11	1.0
1148	Guscio	1116	1117	1137	1136	11	1.0
1149	Guscio	1117	1118	1138	1137	11	1.0
1150	Guscio	1119	1120	1140	1139	3	30.0
1151	Guscio	1120	1121	1141	1140	11	1.0
1152	Guscio	1121	1122	1142	1141	11	1.0
1153	Guscio	1122	1123	1143	1142	11	1.0
1154	Guscio	1123	1135	1144	1143	3	30.0
1155	Guscio	1138	1124	1148	1147	3	30.0
1156	Guscio	1135	1136	1145	1144	3	30.0
1157	Guscio	1136	1137	1146	1145	3	30.0
1158	Guscio	1137	1138	1147	1146	3	30.0
1159	Guscio	1124	1125	1159	1148	3	30.0
1160	Guscio	1125	1126	1160	1159	3	30.0
1161	Guscio	1126	1127	1161	1160	3	30.0
1162	Guscio	1127	1128	1162	1161	3	30.0
1163	Guscio	1128	1129	1163	1162	3	30.0
1164	Guscio	1129	1130	1164	1163	3	30.0
1165	Guscio	1130	1131	1165	1164	3	30.0
1166	Guscio	1131	1132	1166	1165	3	30.0

1167	Guscio	1132	1133	1167	1166	3	30.0
1168	Guscio	1133	1134	1168	1167	3	30.0
1169	Guscio	1139	1140	1150	1149	3	30.0
1170	Guscio	1140	1141	1151	1150	3	30.0
1171	Guscio	1141	1142	1152	1151	3	30.0
1172	Guscio	1142	1143	1153	1152	3	30.0
1173	Guscio	1143	1144	1154	1153	3	30.0
1174	Guscio	1144	1145	1155	1154	3	30.0
1175	Guscio	1145	1146	1156	1155	3	30.0
1176	Guscio	1146	1147	1157	1156	3	30.0
1177	Guscio	1147	1148	1158	1157	3	30.0
1178	Guscio	1158	1148	1159		3	30.0
1179	Guscio	1149	1150	1170	1169	3	30.0
1180	Guscio	1150	1151	1171	1170	3	30.0
1181	Guscio	1151	1152	1172	1171	3	30.0
1182	Guscio	1152	1153	1173	1172	3	30.0
1183	Guscio	1153	1154	1174	1173	3	30.0
1184	Guscio	1154	1155	1175	1174	3	30.0
1185	Guscio	1155	1156	1176	1175	3	30.0
1186	Guscio	1156	1157	1177	1176	3	30.0
1187	Guscio	1157	1158	1178	1177	3	30.0
1188	Guscio	1158	1159	1179	1178	3	30.0
1189	Guscio	1159	1160	1180	1179	3	30.0
1190	Guscio	1160	1161	1181	1180	3	30.0
1191	Guscio	1161	1162	1182	1181	3	30.0
1192	Guscio	1162	1163	1183	1182	3	30.0
1193	Guscio	1163	1164	1184	1183	3	30.0
1194	Guscio	1164	1165	1185	1184	3	30.0
1195	Guscio	1165	1166	1186	1185	3	30.0
1196	Guscio	1166	1167	1187	1186	3	30.0
1197	Guscio	1167	1168	1188	1187	3	30.0

Vasca pe alloggiamento impianto di derivazione

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Svincolo	Wink V	Wink O
							cm		daN/cm3	daN/cm3
1	Guscio fond.	1	2	8	7	3	50.0		0.23	0.13
2	Guscio fond.	2	3	9	8	3	50.0		0.23	0.13
3	Guscio fond.	3	4	10	9	3	50.0		0.23	0.13
4	Guscio fond.	4	5	11	10	3	50.0		0.23	0.13
5	Guscio fond.	5	6	12	11	3	50.0		0.23	0.13
6	Guscio fond.	7	8	14	13	3	50.0		0.23	0.13
7	Guscio fond.	8	9	15	14	3	50.0		0.23	0.13
8	Guscio fond.	9	10	16	15	3	50.0		0.23	0.13
9	Guscio fond.	10	11	17	16	3	50.0		0.23	0.13
10	Guscio fond.	11	12	18	17	3	50.0		0.23	0.13
11	Guscio fond.	13	14	20	19	3	50.0		0.23	0.13
12	Guscio fond.	14	15	21	20	3	50.0		0.23	0.13
13	Guscio fond.	15	16	22	21	3	50.0		0.23	0.13
14	Guscio fond.	16	17	23	22	3	50.0		0.23	0.13
15	Guscio fond.	17	18	24	23	3	50.0		0.23	0.13
16	Guscio fond.	19	20	26	25	3	50.0		0.23	0.13
17	Guscio fond.	20	21	27	26	3	50.0		0.23	0.13
18	Guscio fond.	21	22	28	27	3	50.0		0.23	0.13
19	Guscio fond.	22	23	29	28	3	50.0		0.23	0.13
20	Guscio fond.	23	24	30	29	3	50.0		0.23	0.13
21	Guscio fond.	25	26	32	31	3	50.0		0.23	0.13
22	Guscio fond.	26	27	33	32	3	50.0		0.23	0.13
23	Guscio fond.	27	28	34	33	3	50.0		0.23	0.13
24	Guscio fond.	28	29	35	34	3	50.0		0.23	0.13
25	Guscio fond.	29	30	36	35	3	50.0		0.23	0.13
26	Setto	37	38	2	1	3	20.0			
27	Setto	38	39	3	2	3	20.0			
28	Setto	39	40	4	3	3	20.0			
29	Setto	40	41	5	4	3	20.0			
30	Setto	41	42	6	5	3	20.0			
31	Setto	1	7	43	37	3	20.0			
32	Setto	6	12	44	42	3	20.0			
33	Setto	7	13	45	43	3	20.0			
34	Setto	12	18	46	44	3	20.0			
35	Setto	13	19	47	45	3	20.0			
36	Setto	18	24	48	46	3	20.0			
37	Setto	19	25	49	47	3	20.0			
38	Setto	24	30	50	48	3	20.0			
39	Setto	25	31	51	49	3	20.0			
40	Setto	30	36	56	50	3	20.0			
41	Setto	51	52	32	31	3	20.0			
42	Setto	52	53	33	32	3	20.0			
43	Setto	53	54	34	33	3	20.0			
44	Setto	54	55	35	34	3	20.0			

45	Setto	55	56	36	35	3	20.0
46	Setto	57	58	38	37	3	20.0
47	Setto	58	59	39	38	3	20.0
48	Setto	59	60	40	39	3	20.0
49	Setto	60	61	41	40	3	20.0
50	Setto	61	62	42	41	3	20.0
51	Setto	37	43	63	57	3	20.0
52	Setto	42	44	64	62	3	20.0
53	Setto	43	45	65	63	3	20.0
54	Setto	44	46	66	64	3	20.0
55	Setto	45	47	67	65	3	20.0
56	Setto	46	48	68	66	3	20.0
57	Setto	47	49	69	67	3	20.0
58	Setto	48	50	70	68	3	20.0
59	Setto	49	51	71	69	3	20.0
60	Setto	50	56	76	70	3	20.0
61	Setto	71	72	52	51	3	20.0
62	Setto	72	73	53	52	3	20.0
63	Setto	73	74	54	53	3	20.0
64	Setto	74	75	55	54	3	20.0
65	Setto	75	76	56	55	3	20.0
66	Setto	77	78	58	57	3	20.0
67	Setto	78	79	59	58	3	20.0
68	Setto	79	80	60	59	3	20.0
69	Setto	80	81	61	60	3	20.0
70	Setto	81	82	62	61	3	20.0
71	Setto	57	63	83	77	3	20.0
72	Setto	62	64	88	82	3	20.0
73	Setto	63	65	89	83	3	20.0
74	Setto	64	66	94	88	3	20.0
75	Setto	65	67	95	89	3	20.0
76	Setto	66	68	100	94	3	20.0
77	Setto	67	69	101	95	3	20.0
78	Setto	68	70	106	100	3	20.0
79	Setto	69	71	107	101	3	20.0
80	Setto	70	76	112	106	3	20.0
81	Setto	107	108	72	71	3	20.0
82	Setto	108	109	73	72	3	20.0
83	Setto	109	110	74	73	3	20.0
84	Setto	110	111	75	74	3	20.0
85	Setto	111	112	76	75	3	20.0
86	Guscio	77	78	84	83	3	20.0
87	Guscio	78	79	85	84	3	20.0
88	Guscio	79	80	86	85	3	20.0
89	Guscio	80	81	87	86	3	20.0
90	Guscio	81	82	88	87	3	20.0
91	Guscio	83	84	90	89	3	20.0
92	Guscio	84	85	91	90	3	20.0
93	Guscio	85	86	92	91	3	20.0
94	Guscio	86	87	93	92	3	20.0
95	Guscio	87	88	94	93	3	20.0
96	Guscio	89	90	96	95	3	20.0
97	Guscio	90	91	97	96	3	20.0
98	Guscio	91	92	98	97	3	20.0
99	Guscio	92	93	99	98	3	20.0
100	Guscio	93	94	100	99	3	20.0
101	Guscio	95	96	102	101	3	20.0
102	Guscio	96	97	103	102	3	20.0
103	Guscio	97	98	104	103	3	20.0
104	Guscio	98	99	105	104	3	20.0
105	Guscio	99	100	106	105	3	20.0
106	Guscio	101	102	108	107	3	20.0
107	Guscio	102	103	109	108	3	20.0
108	Guscio	103	104	110	109	3	20.0
109	Guscio	104	105	111	110	3	20.0
110	Guscio	105	106	112	111	3	20.0
111	Setto	113	114	78	77	3	20.0
112	Setto	114	115	79	78	3	20.0
113	Setto	115	116	80	79	3	20.0
114	Setto	116	117	81	80	3	20.0
115	Setto	117	118	82	81	3	20.0
116	Setto	77	83	119	113	3	20.0
117	Setto	82	88	120	118	3	20.0
118	Setto	83	89	121	119	3	20.0
119	Setto	88	94	122	120	3	20.0
120	Setto	89	95	123	121	3	20.0
121	Setto	94	100	124	122	3	20.0
122	Setto	95	101	125	123	3	20.0
123	Setto	100	106	126	124	3	20.0

124	Setto	101	107	127	125	3	20.0
125	Setto	106	112	132	126	3	20.0
126	Setto	127	128	108	107	3	20.0
127	Setto	128	129	109	108	3	20.0
128	Setto	129	130	110	109	3	20.0
129	Setto	130	131	111	110	3	20.0
130	Setto	131	132	112	111	3	20.0
131	Setto	133	134	114	113	3	20.0
132	Setto	134	135	115	114	3	20.0
133	Setto	135	136	116	115	3	20.0
134	Setto	136	137	117	116	3	20.0
135	Setto	137	138	118	117	3	20.0
136	Setto	113	119	139	133	3	20.0
137	Setto	118	120	140	138	3	20.0
138	Setto	119	121	141	139	3	20.0
139	Setto	120	122	142	140	3	20.0
140	Setto	121	123	143	141	3	20.0
141	Setto	122	124	144	142	3	20.0
142	Setto	123	125	145	143	3	20.0
143	Setto	124	126	146	144	3	20.0
144	Setto	125	127	147	145	3	20.0
145	Setto	126	132	152	146	3	20.0
146	Setto	147	148	128	127	3	20.0
147	Setto	148	149	129	128	3	20.0
148	Setto	149	150	130	129	3	20.0
149	Setto	150	151	131	130	3	20.0
150	Setto	151	152	132	131	3	20.0
151	Setto	153	154	134	133	3	20.0
152	Setto	154	155	135	134	3	20.0
153	Setto	155	156	136	135	3	20.0
154	Setto	156	157	137	136	3	20.0
155	Setto	157	158	138	137	3	20.0
156	Setto	133	139	159	153	3	20.0
157	Setto	138	140	160	158	3	20.0
158	Setto	139	141	161	159	3	20.0
159	Setto	140	142	162	160	3	20.0
160	Setto	141	143	163	161	3	20.0
161	Setto	142	144	164	162	3	20.0
162	Setto	143	145	165	163	3	20.0
163	Setto	144	146	166	164	3	20.0
164	Setto	145	147	167	165	3	20.0
165	Setto	146	152	172	166	3	20.0
166	Setto	167	168	148	147	3	20.0
167	Setto	168	169	149	148	3	20.0
168	Setto	169	170	150	149	3	20.0
169	Setto	170	171	151	150	3	20.0
170	Setto	171	172	152	151	3	20.0
171	Setto	173	174	154	153	3	20.0
172	Setto	174	175	155	154	3	20.0
173	Setto	175	176	156	155	3	20.0
174	Setto	176	177	157	156	3	20.0
175	Setto	177	178	158	157	3	20.0
176	Setto	153	159	179	173	3	20.0
177	Setto	158	160	180	178	3	20.0
178	Setto	159	161	181	179	3	20.0
179	Setto	160	162	182	180	3	20.0
180	Setto	161	163	183	181	3	20.0
181	Setto	162	164	184	182	3	20.0
182	Setto	163	165	185	183	3	20.0
183	Setto	164	166	186	184	3	20.0
184	Setto	165	167	187	185	3	20.0
185	Setto	166	172	192	186	3	20.0
186	Setto	187	188	168	167	3	20.0
187	Setto	188	189	169	168	3	20.0
188	Setto	189	190	170	169	3	20.0
189	Setto	190	191	171	170	3	20.0
190	Setto	191	192	172	171	3	20.0
191	Setto	193	194	174	173	3	20.0
192	Setto	194	195	175	174	3	20.0
193	Setto	195	196	176	175	3	20.0
194	Setto	196	197	177	176	3	20.0
195	Setto	197	198	178	177	3	20.0
196	Setto	173	179	199	193	3	20.0
197	Setto	178	180	200	198	3	20.0
198	Setto	179	181	201	199	3	20.0
199	Setto	180	182	202	200	3	20.0
200	Setto	181	183	203	201	3	20.0
201	Setto	182	184	204	202	3	20.0
202	Setto	183	185	205	203	3	20.0

203	Setto	184	186	206	204	3	20.0
204	Setto	185	187	207	205	3	20.0
205	Setto	186	192	212	206	3	20.0
206	Setto	207	208	188	187	3	20.0
207	Setto	208	209	189	188	3	20.0
208	Setto	209	210	190	189	3	20.0
209	Setto	210	211	191	190	3	20.0
210	Setto	211	212	192	191	3	20.0
211	Setto	213	214	194	193	3	20.0
212	Setto	214	215	195	194	3	20.0
213	Setto	215	216	196	195	3	20.0
214	Setto	216	217	197	196	3	20.0
215	Setto	217	218	198	197	3	20.0
216	Setto	193	199	219	213	3	20.0
217	Setto	198	200	220	218	3	20.0
218	Setto	199	201	221	219	3	20.0
219	Setto	200	202	222	220	3	20.0
220	Setto	201	203	223	221	3	20.0
221	Setto	202	204	224	222	3	20.0
222	Setto	203	205	225	223	3	20.0
223	Setto	204	206	226	224	3	20.0
224	Setto	205	207	227	225	3	20.0
225	Setto	206	212	232	226	3	20.0
226	Setto	227	228	208	207	3	20.0
227	Setto	228	229	209	208	3	20.0
228	Setto	229	230	210	209	3	20.0
229	Setto	230	231	211	210	3	20.0
230	Setto	231	232	212	211	3	20.0
231	Setto	233	234	214	213	3	20.0
232	Setto	234	235	215	214	3	20.0
233	Setto	235	236	216	215	3	20.0
234	Setto	236	237	217	216	3	20.0
235	Setto	237	238	218	217	3	20.0
236	Setto	213	219	239	233	3	20.0
237	Setto	218	220	240	238	3	20.0
238	Setto	219	221	241	239	3	20.0
239	Setto	220	222	242	240	3	20.0
240	Setto	221	223	243	241	3	20.0
241	Setto	222	224	244	242	3	20.0
242	Setto	223	225	245	243	3	20.0
243	Setto	224	226	246	244	3	20.0
244	Setto	225	227	247	245	3	20.0
245	Setto	226	232	252	246	3	20.0
246	Setto	247	248	228	227	3	20.0
247	Setto	248	249	229	228	3	20.0
248	Setto	249	250	230	229	3	20.0
249	Setto	250	251	231	230	3	20.0
250	Setto	251	252	232	231	3	20.0
251	Setto	253	254	234	233	3	20.0
252	Setto	254	255	235	234	3	20.0
253	Setto	255	256	236	235	3	20.0
254	Setto	256	257	237	236	3	20.0
255	Setto	257	258	238	237	3	20.0
256	Setto	233	239	259	253	3	20.0
257	Setto	238	240	266	258	3	20.0
258	Setto	239	241	273	259	3	20.0
259	Setto	240	242	280	266	3	20.0
260	Setto	241	243	281	273	3	20.0
261	Setto	242	244	288	280	3	20.0
262	Setto	243	245	289	281	3	20.0
263	Setto	244	246	296	288	3	20.0
264	Setto	245	247	303	289	3	20.0
265	Setto	246	252	308	296	3	20.0
266	Setto	303	304	248	247	3	20.0
267	Setto	304	305	249	248	3	20.0
268	Setto	305	306	250	249	3	20.0
269	Setto	306	307	251	250	3	20.0
270	Setto	307	308	252	251	3	20.0
271	Guscio	253	254	260	259	3	30.0
272	Guscio	254	255	262	261	3	30.0
273	Guscio	255	256	263	262	3	30.0
274	Guscio	256	257	264	263	3	30.0
275	Guscio	257	258	266	265	3	30.0
276	Guscio	260	254	261		3	30.0
277	Guscio	264	257	265		3	30.0
278	Guscio	259	260	267		3	30.0
279	Guscio	265	266	272		3	30.0
280	Guscio	260	261	268	267	3	30.0
281	Guscio	261	262	269	268	3	30.0

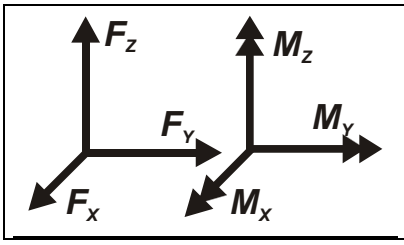
282	Guscio	262	263	270	269	3	30.0
283	Guscio	263	264	271	270	3	30.0
284	Guscio	264	265	272	271	3	30.0
285	Guscio	259	267	274	273	3	30.0
286	Guscio	272	266	280	279	3	30.0
287	Guscio	267	268	275	274	11	1.0
288	Guscio	268	269	276	275	11	1.0
289	Guscio	269	270	277	276	11	1.0
290	Guscio	270	271	278	277	11	1.0
291	Guscio	271	272	279	278	3	30.0
292	Guscio	273	274	282	281	3	30.0
293	Guscio	274	275	283	282	11	1.0
294	Guscio	275	276	284	283	11	1.0
295	Guscio	276	277	285	284	11	1.0
296	Guscio	277	278	286	285	11	1.0
297	Guscio	278	279	287	286	3	30.0
298	Guscio	279	280	288	287	3	30.0
299	Guscio	281	282	290	289	3	30.0
300	Guscio	282	283	291	290	11	1.0
301	Guscio	283	284	292	291	11	1.0
302	Guscio	284	285	293	292	11	1.0
303	Guscio	285	286	294	293	11	1.0
304	Guscio	286	287	295	294	3	30.0
305	Guscio	287	288	296	295	3	30.0
306	Guscio	290	291	298	297	11	1.0
307	Guscio	291	292	299	298	11	1.0
308	Guscio	292	293	300	299	11	1.0
309	Guscio	293	294	301	300	11	1.0
310	Guscio	294	295	302	301	3	30.0
311	Guscio	289	290	297	303	3	30.0
312	Guscio	295	296	308	302	3	30.0
313	Guscio	297	298	304		3	30.0
314	Guscio	300	301	306		3	30.0
315	Guscio	298	299	305	304	3	30.0
316	Guscio	299	300	306	305	3	30.0
317	Guscio	301	302	307	306	3	30.0
318	Guscio	303	297	304		3	30.0
319	Guscio	307	302	308		3	30.0

MODELLAZIONE DELLE AZIONI

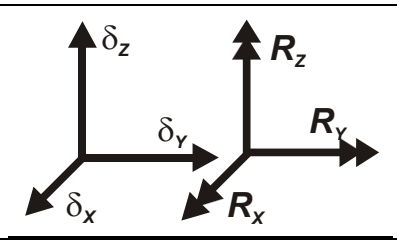
LEGENDA TABELLA DATI AZIONI

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

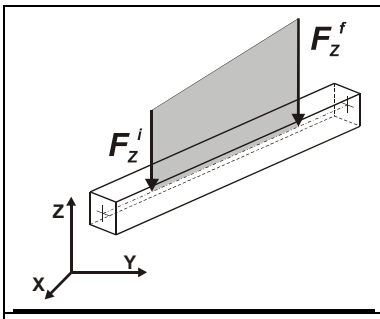
1	carico concentrato nodale 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	spostamento nodale impresso 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	carico distribuito globale su elemento tipo trave 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell' impronta, interasse tra i carichi



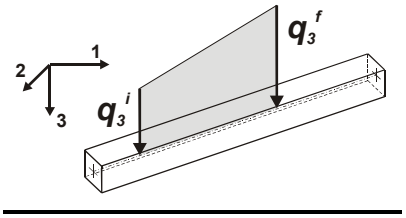
Carico concentrato nodale



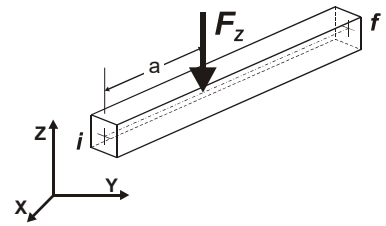
Spostamento impresso



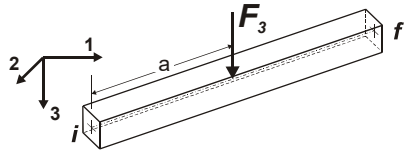
Carico distribuito globale



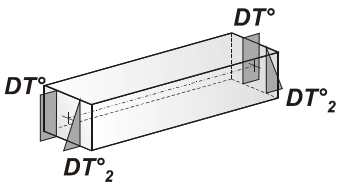
Carico distribuito locale



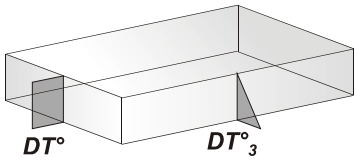
Carico concentrato globale



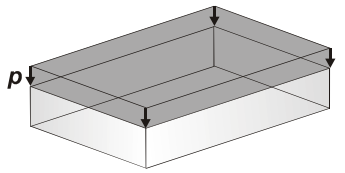
Carico concentrato locale



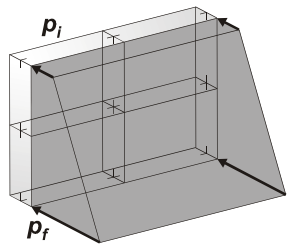
Carico termico 2D



Carico termico 3D



Carico pressione uniforme



Carico pressione variabile

Vasca per alloggiamento impianto di sollevamento

Tipo	carico di pressione uniforme su piastra	
Id	Tipo	pressione
		daN/ m2
5	Platea Gk2-Acqua-P3:p=0.25	2500.00
6	Platea Qk - Manutenzione-P3:p= 2.000e-02	200.00
7	Platea Gk2-Pompe-P3:p= 5.000e-02	500.00

Tipo	carico di pressione variabile su piastra				
Id	Tipo	pressione	quota	pressione	quota
		daN/ m2	m	daN/ m2	m
1	Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00	0.0	0.0	1.782e+04	-4.70
2	Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00	0.0	0.0	-1.782e+04	-4.70

Tipo	carico variabile generale				
Id	Tipo	ascissa	valore	ascissa	valore
		m	daN/ m2	m	daN/ m2
8	Sovraccarico-QV:var x - Qz - Area				
	X - X Qz Area L2=0.0	-100.00	-2500.00	100.00	-2500.00
9	Strada-QV:var x - Qz - Area				
	X - X Qz Area L2=0.0	-100.00	-500.00	100.00	-500.00

Vasca per alloggiamento impianto di derivazione

Tipo	carico di pressione uniforme su piastra	
Id	Tipo	pressione
		daN/ m2
5	Platea Gk2-Acqua-P3:p=0.10	1000.00
6	Platea Qk - Manutenzione-P3:p= 2.000e-02	200.00

Tipo	carico di pressione variabile su piastra				
Id	Tipo	pressione	quota	pressione	quota
		daN/ m2	m	daN/ m2	m
1	Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=0.73 qf=-350.00	0.0	0.0	7259.00	-3.50
2	Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00	0.0	0.0	-7259.00	-3.50

Tipo	carico variabile generale				
Id	Tipo	ascissa	valore	ascissa	valore
		m	daN/ m2	m	daN/ m2
8	Sovraccarico-QV:var x - Qz - Area				
	X - X Qz Area L2=0.0	-100.00	-2500.00	100.00	-2500.00
9	Strada-QV:var x - Qz - Area				
	X - X Qz Area L2=0.0	-100.00	-500.00	100.00	-500.00

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

	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.

Vasca per alloggiamento impianto di sollevamento

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Gk	Spinta terreno	D3 : 2 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 3 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 : 4 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 5 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 7 a 8 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 9 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 109 a 151 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 152 a 154 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 155 a 161 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 162 a 164 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 165 a 171 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 172 a 174 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 175 a 181 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 182 a 183 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 185 a 197 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 198 a 232 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 : 233 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 234 a 306 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 307 a 326 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 329 a 336 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 339 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 340 a 346 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 347 a 349 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00

CDC	Tipo	Sigla Id	Note
			D3 :da 350 a 405 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 406 a 409 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 415 a 419 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 425 a 429 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 435 a 439 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 445 a 449 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 455 a 459 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 465 a 469 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 475 a 479 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 485 a 489 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 495 a 499 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 505 a 537 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 538 a 576 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 646 a 668 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 670 a 673 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 675 a 732 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 733 a 741 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 742 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 743 a 751 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 752 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 : 753 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 754 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 : 757 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 758 a 770 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 771 a 774 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 775 a 786 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 787 a 806 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 817 a 830 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 :da 851 a 857 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 858 a 869 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
			D3 : 980 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 992 a 993 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 1005 a 1006 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 1075 a 1079 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 1109 a 1112 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 1115 a 1129 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-1.78 qf=-470.00
			D3 :da 1130 a 1149 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=1.78 qf=-470.00
11	Gk	Platea Gk - Acqua+Pompe	D3 : 1 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 : 1 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 :da 10 a 108 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 :da 10 a 108 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 : 184 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 : 184 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 : 669 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 : 669 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 : 674 Azione : Platea Gk2-Acqua-P3:p=0.25

CDC	Tipo	Sigla Id	Note
			D3 : 674 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 :da 982 a 983 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 :da 982 a 983 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 :da 995 a 996 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 :da 995 a 996 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 :da 1008 a 1009 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 :da 1008 a 1009 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 :da 1081 a 1090 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 :da 1081 a 1090 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
			D3 :da 1113 a 1114 Azione : Platea Gk2-Acqua-P3:p=0.25
			D3 :da 1113 a 1114 Azione : Platea Gk2-Pompe-P3:p= 5.000e-02
12	Qk	Platea Qk-Manutenzione	D3 : 1 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 6 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 10 a 108 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 184 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 327 a 328 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 337 a 338 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 431 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 451 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 461 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 481 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 577 a 645 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 669 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 : 674 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 755 a 756 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 807 a 816 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 982 a 983 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 995 a 996 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 1008 a 1009 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 1081 a 1099 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 1113 a 1114 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
13	Gk	Strada Gk	D3 :da 870 a 886 Azione : Strada-QV:var x - Qz - Area
			D3 :da 889 a 975 Azione : Strada-QV:var x - Qz - Area
			D3 : 978 Azione : Strada-QV:var x - Qz - Area
			D3 : 981 Azione : Strada-QV:var x - Qz - Area
			D3 :da 984 a 988 Azione : Strada-QV:var x - Qz - Area
			D3 : 991 Azione : Strada-QV:var x - Qz - Area
			D3 : 994 Azione : Strada-QV:var x - Qz - Area
			D3 :da 997 a 1001 Azione : Strada-QV:var x - Qz - Area
			D3 : 1004 Azione : Strada-QV:var x - Qz - Area
			D3 : 1007 Azione : Strada-QV:var x - Qz - Area
			D3 :da 1010 a 1028 Azione : Strada-QV:var x - Qz - Area
			D3 :da 1030 a 1041 Azione : Strada-QV:var x - Qz - Area
			D3 :da 1043 a 1054 Azione : Strada-QV:var x - Qz - Area
			D3 :da 1056 a 1067 Azione : Strada-QV:var x - Qz - Area
			D3 :da 1069 a 1074 Azione : Strada-QV:var x - Qz - Area
			D3 :da 1100 a 1108 Azione : Strada-QV:var x - Qz - Area
14	Qk	Sovraccarico Qk	D3 :da 870 a 886 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 889 a 975 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 : 978 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 : 981 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 984 a 988 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 : 991 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 : 994 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 997 a 1001 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 : 1004 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 : 1007 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 1010 a 1028 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 1030 a 1041 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 1043 a 1054 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 1056 a 1067 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 1069 a 1074 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 1100 a 1108 Azione : Sovraccarico-QV:var x - Qz - Area

Vasca per alloggiamento impianto di derivazione

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
10	Gk	Spinta terreno	D3 : 1 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00
			D3 :da 4 a 5 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=0.73 qf=-350.00
			D3 : 6 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00
			D3 :da 38 a 55 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00
			D3 :da 56 a 59 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=0.73 qf=-350.00
			D3 :da 60 a 99 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00
			D3 :da 100 a 193 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=0.73 qf=-350.00
			D3 :da 219 a 258 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00
			D3 :da 284 a 288 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=0.73 qf=-350.00
			D3 :da 289 a 298 Azione : Spinta terreno - (Strato 1)-PL3:pi=0.0 qi=0.0 pf=-0.73 qf=-350.00
			D3 :da 299 a 303 Azione : Spinta terreno + (Strato 1)-PL3:pi=0.0 qi=0.0 pf=0.73 qf=-350.00
11	Gk	Platea Gk - Acqua+Pompe	D3 : 3 Azione : Platea Gk2-Acqua-P3:p=0.10
			D3 :da 14 a 37 Azione : Platea Gk2-Acqua-P3:p=0.10
12	Qk	Platea Qk-Manutenzione	D3 : 3 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 14 a 37 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
			D3 :da 259 a 283 Azione : Platea Qk - Manutenzione-P3:p= 2.000e-02
13	Gk	Strada Gk	D3 : 2 Azione : Strada-QV:var x - Qz - Area
			D3 :da 7 a 13 Azione : Strada-QV:var x - Qz - Area
			D3 :da 194 a 218 Azione : Strada-QV:var x - Qz - Area
14	Qk	Sovraccarico Qk	D3 : 2 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 7 a 13 Azione : Sovraccarico-QV:var x - Qz - Area
			D3 :da 194 a 218 Azione : Sovraccarico-QV:var x - Qz - Area

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

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

Combinazione fondamentale SLU

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

Combinazione caratteristica (rara) SLE

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

Combinazione frequente SLE

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

Combinazione quasi permanente SLE

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

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

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

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

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

Dove:

NTC 2018 Tabella 2.5.I

Destinazione d'uso/azione	ψ0	ψ1	ψ2
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,…	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli <= 30kN)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli > 30kN)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota <= 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

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

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

NTC 2018 Tabella 2.6.I

		Coefficienteγf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli Sfavorevoli	γG1	0,9 1,1	1,0 1,3	1,0 1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli Sfavorevoli	γG2	0,8 1,5	0,8 1,5	0,8 1,3
Carichi variabili	Favorevoli Sfavorevoli	γQi	0,0 1,5	0,0 1,5	0,0 1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 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	

Cmb	Tipo	Sigla Id	effetto P-delta
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLD(sis)	Comb. SLE (SLD Danno sism.) 41	
42	SLD(sis)	Comb. SLE (SLD Danno sism.) 42	
43	SLD(sis)	Comb. SLE (SLD Danno sism.) 43	
44	SLD(sis)	Comb. SLE (SLD Danno sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLE(r)	Comb. SLE(rara) 73	
74	SLE(r)	Comb. SLE(rara) 74	
75	SLE(r)	Comb. SLE(rara) 75	
76	SLE(r)	Comb. SLE(rara) 76	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	1.30	0.0
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	1.30	1.50
3	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.50	1.30	0.0
4	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.50	1.30	1.50
5	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80	0.0	1.00	0.0
6	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80	0.0	1.00	1.50
7	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80	1.50	1.00	0.0
8	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80	1.50	1.00	1.50
9	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
10	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
11	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
12	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
13	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
14	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
15	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
16	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
17	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
18	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
19	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
20	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
21	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
22	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
23	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80

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...
24	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
25	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
26	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
27	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
28	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
29	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
30	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
31	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
32	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
33	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
34	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
35	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
36	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
37	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
38	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
39	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
40	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	1.00	0.80	1.00	0.80
41	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	1.00	0.80	1.00	0.80
42	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	1.00	0.80	1.00	0.80
43	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	1.00	0.80	1.00	0.80
44	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	1.00	0.80	1.00	0.80
45	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	1.00	0.80	1.00	0.80
46	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	1.00	0.80	1.00	0.80
47	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	1.00	0.80	1.00	0.80
48	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	1.00	0.80	1.00	0.80
49	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	1.00	0.80	1.00	0.80
50	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	1.00	0.80	1.00	0.80
51	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	1.00	0.80	1.00	0.80
52	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	1.00	0.80	1.00	0.80
53	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	1.00	0.80	1.00	0.80
54	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	1.00	0.80	1.00	0.80
55	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	1.00	0.80	1.00	0.80
56	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	1.00	0.80	1.00	0.80
57	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	1.00	0.80	1.00	0.80
58	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	1.00	0.80	1.00	0.80
59	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	1.00	0.80	1.00	0.80
60	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	1.00	0.80	1.00	0.80
61	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	1.00	0.80	1.00	0.80
62	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	1.00	0.80	1.00	0.80
63	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	1.00	0.80	1.00	0.80
64	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	1.00	0.80	1.00	0.80
65	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	1.00	0.80	1.00	0.80
66	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	1.00	0.80	1.00	0.80
67	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	1.00	0.80	1.00	0.80
68	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	1.00	0.80	1.00	0.80
69	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	1.00	0.80	1.00	0.80
70	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	1.00	0.80	1.00	0.80
71	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	1.00	0.80	1.00	0.80
72	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	1.00	0.80	1.00	0.80
73	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	1.00	0.0
74	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	1.00	1.00
75	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	0.0
76	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00	1.00

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito http://esse1.mi.ingv.it/. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione). L' azione sismica viene definita in relazione ad un periodo di riferimento Vr che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento Vr e la probabilità di superamento Pver associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno Tr e i relativi parametri di pericolosità sismica (vedi tabella successiva):

ag: accelerazione orizzontale massima del terreno;

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

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

Parametri della struttura					
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]	Tipo di suolo	Categoria topografica
III	50.0	1.5	75.0	B	T1

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

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente S = Ss*St (3.2.3)

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

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

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

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

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

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	14.642	40.743	
33650	14.612	40.729	2.959
33651	14.678	40.729	3.398
33429	14.679	40.779	5.056
33428	14.613	40.779	4.674

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.0	0.050	2.360	0.310
SLD	63.0	75.0	0.062	2.420	0.340
SLV	10.0	712.0	0.141	2.520	0.410
SLC	5.0	1462.0	0.174	2.560	0.430

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.050	1.200	2.360	0.712	0.144	0.431	1.800
SLD	0.062	1.200	2.420	0.816	0.155	0.464	1.850
SLV	0.141	1.200	2.520	1.277	0.180	0.539	2.163
SLC	0.174	1.200	2.560	1.440	0.187	0.560	2.295

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/Ls (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
   - azione sismica complessiva

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

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione etaT (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità

1000*etaT/h da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi.Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione etaT, etaP e etaD degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità 1000*etaT/h da confrontare direttamente con il valore 2 o 4 per la verifica.Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare 619/2009 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018.Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio. Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo conl'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 Ar (per dispositivi circolari)**
V	**Azione verticale agente**
Ar	**Area ridotta efficace**
Dim A2	**Dimensione utile per il calcolo della deformazione per rotazione**
Sig s	**Tensione nell' inserto in acciaio**
Gam c(a,s,t)	**Deformazioni di taglio dell' elestomero**
Vcr	**Carico critico per instabilità**

Affinché la verifica sia positiva deve essere:

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

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
23	DM 2008: SPETTRO
29	SISMICA 1000/H, SOMMA V, EFFETTO P-δ
30	ANALISI DI UN EDIFICIO CON ISOLATORI SISMICI

70	MASSE SISMICHE
75	PROGETTO DI ISOLATORI ELASTOMERICI
76	VERIFICA DI ISOLATORI ELASTOMERICI
77	VERIFICA DI ISOLATORI FRICTION PENDULUM

Calcolo del fattore di comportamento secondo il D.M. 17/01/2018

Vasca di alloggiamento per impianto di sollevamento

Classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo

Tipologia strutturale: altre tipologie

Valore base fattore q_0 = 1.500

Fattore di regolarità K_R = 1.0

Fattore dissipativo $q_D = q_0 \bullet K_R$ = 1.500

Fattori di comportamento utilizzati Dissipativi

q SLU x: 1.500 q SLU y: 1.500 q SLU z: 1.500

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.489 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.551
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	0.0	-0.15	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	0.0	-0.15	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	0.0	-0.15	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	0.0	-0.15	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	0.0	-0.15	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	0.0	-0.13	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	0.0	-0.15	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	0.0	-0.13	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	0.0	-0.15	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	0.0	-0.15	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	0.0	-0.15	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	0.0	-0.15	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	0.0	-0.15	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	0.0	-0.15	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.437	0.696	0.220	138.79	0.3	2.537e+04	63.3	0.51	1.27e-03	0.0	0.0
2	2.046	0.489	0.284	2.942e+04	73.4	201.45	0.5	294.84	0.7	0.0	0.0
3	2.720	0.368	0.284	96.85	0.2	3358.68	8.4	13.58	3.39e-02	0.0	0.0
4	4.087	0.245	0.284	1451.39	3.6	6.50	1.62e-02	3.756e+04	93.8	0.0	0.0
5	5.011	0.200	0.284	8846.61	22.1	115.68	0.3	2184.12	5.5	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
6	5.155	0.194	0.284	109.18	0.3	1.101e+04	27.5	2.10	5.24e-03	0.0	0.0
7	76.266	0.013	0.177	0.02	3.79e-05	5.45e-05	0.0	3.51e-04	0.0	0.0	0.0
8	97.717	0.010	0.175	5.94e-05	0.0	0.01	3.09e-05	4.98e-06	0.0	0.0	0.0
9	108.797	0.009	0.175	6.96e-05	0.0	1.84e-06	0.0	5.28e-03	1.32e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.488 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.552
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	0.0	0.15	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	0.0	0.15	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	0.0	0.15	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	0.0	0.15	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	0.0	0.15	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	0.0	0.13	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	0.0	0.15	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	0.0	0.13	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	0.0	0.15	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	0.0	0.15	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	0.0	0.15	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	0.0	0.15	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	0.0	0.15	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	0.0	0.15	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.437	0.696	0.220	97.30	0.2	2.539e+04	63.4	1.97	4.92e-03	0.0	0.0
2	2.048	0.488	0.284	2.951e+04	73.7	147.59	0.4	291.17	0.7	0.0	0.0
3	2.714	0.369	0.284	46.57	0.1	3393.18	8.5	15.08	3.76e-02	0.0	0.0
4	4.087	0.245	0.284	1452.07	3.6	6.78	1.69e-02	3.757e+04	93.8	0.0	0.0
5	5.011	0.200	0.284	8942.98	22.3	10.22	2.55e-02	2167.15	5.4	0.0	0.0
6	5.153	0.194	0.284	9.26	2.31e-02	1.111e+04	27.7	15.20	3.79e-02	0.0	0.0
7	75.900	0.013	0.177	0.02	3.88e-05	1.28e-05	0.0	3.76e-04	0.0	0.0	0.0
8	97.669	0.010	0.175	3.39e-05	0.0	0.01	3.10e-05	1.10e-05	0.0	0.0	0.0
9	108.732	0.009	0.175	7.59e-05	0.0	1.33e-05	0.0	5.26e-03	1.31e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.670 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B

CDC	Tipo	Sigla Id	Note
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	0.25	0.0	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	0.25	0.0	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	0.25	0.0	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	0.25	0.0	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	0.25	0.0	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	0.10	0.0	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	0.25	0.0	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	0.10	0.0	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	0.25	0.0	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	0.25	0.0	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	0.15	0.0	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	0.15	0.0	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	0.15	0.0	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	0.15	0.0	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.493	0.670	0.228	0.90	2.24e-03	2.516e+04	62.8	1.26	3.15e-03	0.0	0.0
2	2.050	0.488	0.284	2.965e+04	74.0	1.33	3.31e-03	298.66	0.7	0.0	0.0
3	2.625	0.381	0.284	3.27	8.17e-03	3860.03	9.6	0.03	6.64e-05	0.0	0.0
4	4.087	0.245	0.284	1464.16	3.7	6.53	1.63e-02	3.755e+04	93.7	0.0	0.0
5	5.007	0.200	0.284	8930.00	22.3	15.35	3.83e-02	2211.63	5.5	0.0	0.0
6	5.135	0.195	0.284	14.80	3.69e-02	1.101e+04	27.5	1.37	3.43e-03	0.0	0.0
7	76.698	0.013	0.177	0.02	3.81e-05	1.72e-06	0.0	4.30e-04	1.07e-06	0.0	0.0
8	99.644	0.010	0.175	0.0	0.0	0.01	2.86e-05	3.69e-05	0.0	0.0	0.0
9	110.093	0.009	0.175	1.40e-04	0.0	7.88e-05	0.0	5.20e-03	1.30e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.722 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	-0.25	0.0	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	-0.25	0.0	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	-0.25	0.0	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	-0.25	0.0	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	-0.25	0.0	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	-0.25	0.0	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	-0.10	0.0	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	-0.25	0.0	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	-0.25	0.0	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	-0.15	0.0	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	-0.15	0.0	1.45	1.23	2.426	0.022	0.101

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
-3.45	89.71	0.74	3.10	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	-0.15	0.0	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	-0.15	0.0	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.385	0.722	0.212	0.89	2.23e-03	2.602e+04	65.0	1.00	2.50e-03	0.0	0.0
2	2.050	0.488	0.284	2.965e+04	74.0	0.90	2.24e-03	298.76	0.7	0.0	0.0
3	2.812	0.356	0.284	2.07	5.16e-03	2846.96	7.1	0.14	3.52e-04	0.0	0.0
4	4.087	0.245	0.284	1464.20	3.7	6.57	1.64e-02	3.755e+04	93.7	0.0	0.0
5	5.007	0.200	0.284	8934.51	22.3	10.42	2.60e-02	2210.72	5.5	0.0	0.0
6	5.187	0.193	0.284	10.19	2.54e-02	1.118e+04	27.9	1.93	4.81e-03	0.0	0.0
7	75.486	0.013	0.177	0.02	3.84e-05	3.42e-06	0.0	2.99e-04	0.0	0.0	0.0
8	95.837	0.010	0.176	0.0	0.0	0.01	3.40e-05	0.0	0.0	0.0	0.0
9	107.526	0.009	0.175	2.87e-05	0.0	2.41e-05	0.0	5.31e-03	1.33e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.489 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	0.0	-0.15	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	0.0	-0.15	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	0.0	-0.15	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	0.0	-0.15	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	0.0	-0.15	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	0.0	-0.13	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	0.0	-0.15	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	0.0	-0.13	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	0.0	-0.15	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	0.0	-0.15	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	0.0	-0.15	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	0.0	-0.15	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	0.0	-0.15	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	0.0	-0.15	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.437	0.696	0.121	138.79	0.3	2.537e+04	63.3	0.51	1.27e-03	0.0	0.0
2	2.046	0.489	0.172	2.942e+04	73.4	201.45	0.5	294.84	0.7	0.0	0.0
3	2.720	0.368	0.181	96.85	0.2	3358.68	8.4	13.58	3.39e-02	0.0	0.0
4	4.087	0.245	0.181	1451.39	3.6	6.50	1.62e-02	3.756e+04	93.8	0.0	0.0
5	5.011	0.200	0.181	8846.61	22.1	115.68	0.3	2184.12	5.5	0.0	0.0
6	5.155	0.194	0.181	109.18	0.3	1.101e+04	27.5	2.10	5.24e-03	0.0	0.0
7	76.266	0.013	0.084	0.02	3.79e-05	5.45e-05	0.0	3.51e-04	0.0	0.0	0.0
8	97.717	0.010	0.082	5.94e-05	0.0	0.01	3.09e-05	4.98e-06	0.0	0.0	0.0
9	108.797	0.009	0.081	6.96e-05	0.0	1.84e-06	0.0	5.28e-03	1.32e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.488 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	0.0	0.15	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	0.0	0.15	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	0.0	0.15	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	0.0	0.15	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	0.0	0.15	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	0.0	0.13	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	0.0	0.15	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	0.0	0.13	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	0.0	0.15	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	0.0	0.15	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	0.0	0.15	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	0.0	0.15	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	0.0	0.15	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	0.0	0.15	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.437	0.696	0.121	97.30	0.2	2.539e+04	63.4	1.97	4.92e-03	0.0	0.0
2	2.048	0.488	0.172	2.951e+04	73.7	147.59	0.4	291.17	0.7	0.0	0.0
3	2.714	0.369	0.181	46.57	0.1	3393.18	8.5	15.08	3.76e-02	0.0	0.0
4	4.087	0.245	0.181	1452.07	3.6	6.78	1.69e-02	3.757e+04	93.8	0.0	0.0
5	5.011	0.200	0.181	8942.98	22.3	10.22	2.55e-02	2167.15	5.4	0.0	0.0
6	5.153	0.194	0.181	9.26	2.31e-02	1.111e+04	27.7	15.20	3.79e-02	0.0	0.0
7	75.900	0.013	0.084	0.02	3.88e-05	1.28e-05	0.0	3.76e-04	0.0	0.0	0.0
8	97.669	0.010	0.082	3.39e-05	0.0	0.01	3.10e-05	1.10e-05	0.0	0.0	0.0
9	108.732	0.009	0.081	7.59e-05	0.0	1.33e-05	0.0	5.26e-03	1.31e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.670 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	0.25	0.0	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	0.25	0.0	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	0.25	0.0	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	0.25	0.0	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	0.25	0.0	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	0.10	0.0	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	0.25	0.0	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	0.10	0.0	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	0.25	0.0	2.47	1.54	1.345	0.015	0.019

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
-2.50	3202.54	2.05	1.55	0.25	0.0	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	0.15	0.0	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	0.15	0.0	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	0.15	0.0	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	0.15	0.0	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.493	0.670	0.126	0.90	2.24e-03	2.516e+04	62.8	1.26	3.15e-03	0.0	0.0
2	2.050	0.488	0.172	2.965e+04	74.0	1.33	3.31e-03	298.66	0.7	0.0	0.0
3	2.625	0.381	0.181	3.27	8.17e-03	3860.03	9.6	0.03	6.64e-05	0.0	0.0
4	4.087	0.245	0.181	1464.16	3.7	6.53	1.63e-02	3.755e+04	93.7	0.0	0.0
5	5.007	0.200	0.181	8930.00	22.3	15.35	3.83e-02	2211.63	5.5	0.0	0.0
6	5.135	0.195	0.181	14.80	3.69e-02	1.101e+04	27.5	1.37	3.43e-03	0.0	0.0
7	76.698	0.013	0.084	0.02	3.81e-05	1.72e-06	0.0	4.30e-04	1.07e-06	0.0	0.0
8	99.644	0.010	0.082	0.0	0.0	0.01	2.86e-05	3.69e-05	0.0	0.0	0.0
9	110.093	0.009	0.081	1.40e-04	0.0	7.88e-05	0.0	5.20e-03	1.30e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.722 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
-0.50	1.125e+04	2.54	1.51	-0.25	0.0	2.63	1.55	1.352	0.028	0.019
-0.92	3376.58	2.56	1.55	-0.25	0.0	2.63	1.55	1.352	0.021	2.4042e-04
-1.20	2017.75	2.56	1.54	-0.25	0.0	2.63	1.48	1.375	0.023	0.034
-1.34	1333.50	2.54	1.53	-0.25	0.0	2.63	1.48	1.375	0.028	0.027
-1.48	1969.17	2.54	1.54	-0.25	0.0	2.63	1.55	1.352	0.029	0.006
-1.70	336.52	3.27	1.80	-0.10	0.0	0.0	0.0	0.0	0.0	0.0
-1.74	39.55	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.76	2772.67	2.41	1.50	-0.25	0.0	2.47	1.54	1.345	0.015	0.021
-2.05	508.63	3.28	1.75	-0.10	0.0	2.91	1.45	0.029	2.208	0.207
-2.14	46.86	2.90	2.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-2.18	2938.90	2.41	1.50	-0.25	0.0	2.47	1.54	1.345	0.015	0.019
-2.50	3202.54	2.05	1.55	-0.25	0.0	1.45	1.55	1.405	0.300	5.3651e-04
-2.95	96.20	0.74	3.10	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.02	2660.95	1.49	1.46	-0.15	0.0	1.45	1.23	2.426	0.022	0.100
-3.44	2379.65	1.49	1.46	-0.15	0.0	1.45	1.23	2.426	0.022	0.101
-3.45	89.71	0.74	3.10	-0.03	0.0	0.0	0.0	0.0	0.0	0.0
-3.86	2518.42	1.45	1.55	-0.15	0.0	1.45	1.55	2.699	1.5090e-04	4.3762e-04
-4.28	2520.00	1.45	1.55	-0.15	0.0	1.45	1.55	2.699	0.0	0.0
Risulta	4.006e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	1.385	0.722	0.116	0.89	2.23e-03	2.602e+04	65.0	1.00	2.50e-03	0.0	0.0
2	2.050	0.488	0.172	2.965e+04	74.0	0.90	2.24e-03	298.76	0.7	0.0	0.0
3	2.812	0.356	0.181	2.07	5.16e-03	2846.96	7.1	0.14	3.52e-04	0.0	0.0
4	4.087	0.245	0.181	1464.20	3.7	6.57	1.64e-02	3.755e+04	93.7	0.0	0.0
5	5.007	0.200	0.181	8934.51	22.3	10.42	2.60e-02	2210.72	5.5	0.0	0.0
6	5.187	0.193	0.181	10.19	2.54e-02	1.118e+04	27.9	1.93	4.81e-03	0.0	0.0
7	75.486	0.013	0.084	0.02	3.84e-05	3.42e-06	0.0	2.99e-04	0.0	0.0	0.0
8	95.837	0.010	0.082	0.0	0.0	0.01	3.40e-05	0.0	0.0	0.0	0.0
9	107.526	0.009	0.081	2.87e-05	0.0	2.41e-05	0.0	5.31e-03	1.33e-05	0.0	0.0
Risulta				4.006e+04		4.006e+04		4.006e+04			
In				100.00		100.00		100.00			

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

Vasca per alloggiamento impianto di derivazione

Classe di duttilità media (CD"B").

Parametri fattore in direzione x e y

Sistema costruttivo: calcestruzzo

Tipologia strutturale: altre tipologie

Valore base fattore q_0 = 1.500

Fattore di regolarità K_R = 1.0

Fattore dissipativo $q_D = q_0 \bullet K_R$ = 1.500

Fattori di comportamento utilizzati Dissipativi

q SLU x: 1.500 q SLU y: 1.500 q SLU z: 1.500

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.326 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	0.0	-0.07	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	0.0	-0.07	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.754	1.326	0.115	7666.95	67.7	370.99	3.3	0.05	4.40e-04	0.0	0.0
2	0.755	1.325	0.115	371.81	3.3	7662.24	67.6	0.12	1.07e-03	0.0	0.0
3	1.934	0.517	0.284	3.21	2.83e-02	0.16	1.41e-03	1.98e-03	1.75e-05	0.0	0.0
4	3.349	0.299	0.284	0.28	2.52e-03	0.29	2.53e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.284	160.61	1.4	3133.28	27.7	0.16	1.45e-03	0.0	0.0
6	4.509	0.222	0.284	3124.12	27.6	160.02	1.4	0.41	3.61e-03	0.0	0.0
7	134.058	0.007	0.174	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	305.946	0.003	0.171	8.99e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	439.250	0.002	0.170	0.0	0.0	0.0	0.0	3.95e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
3	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.325 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	0.0	0.07	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	0.0	0.07	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.755	1.325	0.115	8025.24	70.9	13.33	0.1	0.08	6.97e-04	0.0	0.0
2	0.755	1.325	0.115	13.45	0.1	8019.90	70.8	0.09	8.15e-04	0.0	0.0
3	1.930	0.518	0.284	6.65	5.87e-02	0.16	1.43e-03	1.96e-03	1.73e-05	0.0	0.0
4	3.349	0.299	0.284	0.28	2.51e-03	0.29	2.53e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.284	10.12	8.93e-02	3283.21	29.0	0.26	2.26e-03	0.0	0.0
6	4.510	0.222	0.284	3271.23	28.9	10.09	8.90e-02	0.32	2.79e-03	0.0	0.0
7	134.058	0.007	0.174	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	305.859	0.003	0.171	8.90e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	439.452	0.002	0.170	0.0	0.0	0.0	0.0	3.95e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
4	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.326 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	0.07	0.0	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
-3.00	450.00	0.75	0.75	0.07	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.754	1.326	0.115	370.15	3.3	7667.80	67.7	0.05	4.35e-04	0.0	0.0
2	0.755	1.325	0.115	7663.08	67.7	370.97	3.3	0.12	1.08e-03	0.0	0.0
3	1.934	0.517	0.284	0.16	1.40e-03	3.20	2.83e-02	1.96e-03	1.73e-05	0.0	0.0
4	3.349	0.299	0.284	0.29	2.55e-03	0.28	2.49e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.284	3134.00	27.7	159.90	1.4	0.17	1.47e-03	0.0	0.0
6	4.509	0.222	0.284	159.31	1.4	3124.83	27.6	0.41	3.59e-03	0.0	0.0
7	134.022	0.007	0.174	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	343.817	0.003	0.171	0.0	0.0	0.0	0.0	9.32e-06	0.0	0.0	0.0
9	533.639	0.002	0.170	0.0	0.0	0.0	0.0	3.62e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
5	Edk	CDC=Ed (dinamico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.284 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.325 sec.
			fattore q: 1.500
			fattore per spost. mu d: 1.500
			classe di duttilità CD: B
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	-0.07	0.0	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.755	1.325	0.115	13.91	0.1	8024.67	70.8	0.08	6.89e-04	0.0	0.0
2	0.755	1.325	0.115	8019.31	70.8	14.03	0.1	0.09	8.23e-04	0.0	0.0
3	1.930	0.518	0.284	0.16	1.42e-03	6.66	5.88e-02	1.95e-03	1.72e-05	0.0	0.0
4	3.349	0.299	0.284	0.29	2.55e-03	0.28	2.49e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.284	3283.17	29.0	10.17	8.98e-02	0.26	2.28e-03	0.0	0.0
6	4.510	0.222	0.284	10.14	8.95e-02	3271.16	28.9	0.31	2.77e-03	0.0	0.0
7	134.022	0.007	0.174	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	344.464	0.003	0.171	0.0	0.0	0.0	0.0	9.40e-06	0.0	0.0	0.0
9	534.035	0.002	0.170	0.0	0.0	0.0	0.0	3.61e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
6	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:0.0

CDC	Tipo	Sigla Id	Note
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.326 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	0.0	-0.07	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	0.0	-0.07	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	0.0	-0.07	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.754	1.326	0.063	7666.95	67.7	370.99	3.3	0.05	4.40e-04	0.0	0.0
2	0.755	1.325	0.063	371.81	3.3	7662.24	67.6	0.12	1.07e-03	0.0	0.0
3	1.934	0.517	0.163	3.21	2.83e-02	0.16	1.41e-03	1.98e-03	1.75e-05	0.0	0.0
4	3.349	0.299	0.181	0.28	2.52e-03	0.29	2.53e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.181	160.61	1.4	3133.28	27.7	0.16	1.45e-03	0.0	0.0
6	4.509	0.222	0.181	3124.12	27.6	160.02	1.4	0.41	3.61e-03	0.0	0.0
7	134.058	0.007	0.080	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	305.946	0.003	0.077	8.99e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	439.250	0.002	0.076	0.0	0.0	0.0	0.0	3.95e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
7	Edk	CDC=Ed (dinamico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.325 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	0.0	0.07	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	0.0	0.07	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	0.0	0.07	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.755	1.325	0.063	8025.24	70.9	13.33	0.1	0.08	6.97e-04	0.0	0.0
2	0.755	1.325	0.063	13.45	0.1	8019.90	70.8	0.09	8.15e-04	0.0	0.0
3	1.930	0.518	0.162	6.65	5.87e-02	0.16	1.43e-03	1.96e-03	1.73e-05	0.0	0.0
4	3.349	0.299	0.181	0.28	2.51e-03	0.29	2.53e-03	1.133e+04	100.0	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
5	4.503	0.222	0.181	10.12	8.93e-02	3283.21	29.0	0.26	2.26e-03	0.0	0.0
6	4.510	0.222	0.181	3271.23	28.9	10.09	8.90e-02	0.32	2.79e-03	0.0	0.0
7	134.058	0.007	0.080	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	305.859	0.003	0.077	8.90e-05	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	439.452	0.002	0.076	0.0	0.0	0.0	0.0	3.95e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 1.326 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	0.07	0.0	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.50	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	0.07	0.0	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	0.07	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.754	1.326	0.063	370.15	3.3	7667.80	67.7	0.05	4.35e-04	0.0	0.0
2	0.755	1.325	0.063	7663.08	67.7	370.97	3.3	0.12	1.08e-03	0.0	0.0
3	1.934	0.517	0.163	0.16	1.40e-03	3.20	2.83e-02	1.96e-03	1.73e-05	0.0	0.0
4	3.349	0.299	0.181	0.29	2.55e-03	0.28	2.49e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.181	3134.00	27.7	159.90	1.4	0.17	1.47e-03	0.0	0.0
6	4.509	0.222	0.181	159.31	1.4	3124.83	27.6	0.41	3.59e-03	0.0	0.0
7	134.022	0.007	0.080	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	343.817	0.003	0.077	0.0	0.0	0.0	0.0	9.32e-06	0.0	0.0	0.0
9	533.639	0.002	0.076	0.0	0.0	0.0	0.0	3.62e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

CDC	Tipo	Sigla Id	Note
9	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.181 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 1.325 sec.
			numero di modi considerati: 9
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
0.0	1651.98	0.79	0.71	-0.07	0.0	0.75	0.75	2.948	0.035	0.035
-0.30	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.60	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-0.90	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.20	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
-1.50	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-1.80	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.10	675.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.25	1575.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.40	675.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-2.70	900.00	0.75	0.75	-0.07	0.0	0.75	0.75	2.948	0.0	0.0
-3.00	450.00	0.75	0.75	-0.07	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.133e+04									

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
	Hz	sec	g	daN		daN		daN			
1	0.755	1.325	0.063	13.91	0.1	8024.67	70.8	0.08	6.89e-04	0.0	0.0
2	0.755	1.325	0.063	8019.31	70.8	14.03	0.1	0.09	8.23e-04	0.0	0.0
3	1.930	0.518	0.162	0.16	1.42e-03	6.66	5.88e-02	1.95e-03	1.72e-05	0.0	0.0
4	3.349	0.299	0.181	0.29	2.55e-03	0.28	2.49e-03	1.133e+04	100.0	0.0	0.0
5	4.503	0.222	0.181	3283.17	29.0	10.17	8.98e-02	0.26	2.28e-03	0.0	0.0
6	4.510	0.222	0.181	10.14	8.95e-02	3271.16	28.9	0.31	2.77e-03	0.0	0.0
7	134.022	0.007	0.080	0.0	0.0	0.0	0.0	1.38e-05	0.0	0.0	0.0
8	344.464	0.003	0.077	0.0	0.0	0.0	0.0	9.40e-06	0.0	0.0	0.0
9	534.035	0.002	0.076	0.0	0.0	0.0	0.0	3.61e-05	0.0	0.0	0.0
Risulta				1.133e+04		1.133e+04		1.133e+04			
In percentuale				100.00		100.00		100.00			

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

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

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

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

In particolare viene riportato:

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

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

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

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

In particolare viene riportato:

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

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

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

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

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

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

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
105	PLINTO SUPERFICIALE
106	PLINTO SUPERFICIALE
107	PLINTO SUPERFICIALE
108	PLINTO SUPERFICIALE
109	PLINTO SUPERFICIALE
110	PLINTO SUPERFICIALE
111	PLINTO SUPERFICIALE
112	PLINTO SUPERFICIALE
113	PLINTO SUPERFICIALE
114	PLINTO SUPERFICIALE
115	PLINTO SUPERFICIALE
116	PLINTO SUPERFICIALE
117	PLINTO SUPERFICIALE
118	PLINTO SUPERFICIALE
119	PLINTO SUPERFICIALE
120	PLINTO SUPERFICIALE
121	PLINTO SUPERFICIALE
122	PLINTO SUPERFICIALE
123	PLINTO SUPERFICIALE
124	FONDAZIONE NASTRIFORME
125	CALCOLO DEI K DI WINKLER

Vasca per alloggiamento impianto di sollevamento

Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-1.52	-1.25	-1.16	-1.08							
2	-1.49	-1.22	-1.12	-1.05							
3	-1.45	-1.19	-1.09	-1.03							
4	-1.41	-1.16	-1.06	-1.00							
5	-1.37	-1.12	-1.03	-0.97							
6	-1.34	-1.09	-1.00	-0.95							
7	-1.30	-1.06	-0.98	-0.92							
8	-1.26	-1.03	-0.95	-0.90							
9	-1.22	-1.00	-0.92	-0.87							
10	-1.19	-0.97	-0.89	-0.84							
11	-1.15	-0.95	-0.87	-0.82							
12	-1.53	-1.24	-1.16	-1.08							
13	-1.49	-1.20	-1.12	-1.06							
14	-1.46	-1.16	-1.08	-1.03							
15	-1.42	-1.13	-1.05	-1.01							
16	-1.38	-1.10	-1.02	-0.98							
17	-1.35	-1.07	-0.99	-0.96							
18	-1.31	-1.04	-0.96	-0.93							
19	-1.27	-1.00	-0.94	-0.90							
20	-1.23	-0.97	-0.91	-0.88							
21	-1.20	-0.94	-0.88	-0.85							
22	-1.16	-0.92	-0.85	-0.83							
23	-1.54	-1.24	-1.16	-1.09							
24	-1.50	-1.19	-1.12	-1.07							
25	-1.47	-1.15	-1.08	-1.04							
26	-1.43	-1.11	-1.05	-1.01							
27	-1.39	-1.07	-1.01	-0.99							
28	-1.35	-1.04	-0.98	-0.96							
29	-1.32	-1.01	-0.95	-0.94							
30	-1.28	-0.98	-0.92	-0.91							
31	-1.24	-0.95	-0.90	-0.88							
32	-1.20	-0.92	-0.87	-0.86							
33	-1.17	-0.90	-0.84	-0.83							
34	-1.55	-1.23	-1.16	-1.10							
35	-1.51	-1.19	-1.12	-1.07							
36	-1.48	-1.15	-1.08	-1.05							
37	-1.44	-1.10	-1.05	-1.02							
38	-1.40	-1.06	-1.01	-1.00							
39	-1.36	-1.01	-0.97	-0.97							
40	-1.33	-0.98	-0.94	-0.94							
41	-1.29	-0.95	-0.91	-0.92							

42	-1.25	-0.92	-0.88	-0.89
43	-1.21	-0.89	-0.86	-0.87
44	-1.18	-0.87	-0.83	-0.84
45	-1.56	-1.23	-1.16	-1.10
46	-1.52	-1.19	-1.12	-1.08
47	-1.48	-1.14	-1.08	-1.05
48	-1.45	-1.10	-1.05	-1.03
49	-1.41	-1.05	-1.01	-1.00
50	-1.37	-1.01	-0.97	-0.98
51	-1.33	-0.97	-0.94	-0.95
52	-1.30	-0.93	-0.90	-0.92
53	-1.26	-0.89	-0.87	-0.90
54	-1.22	-0.87	-0.84	-0.87
55	-1.18	-0.84	-0.82	-0.85
56	-1.57	-1.22	-1.16	-1.11
57	-1.53	-1.18	-1.12	-1.09
58	-1.49	-1.14	-1.09	-1.06
59	-1.46	-1.09	-1.05	-1.03
60	-1.42	-1.05	-1.01	-1.01
61	-1.38	-1.00	-0.97	-0.98
62	-1.34	-0.96	-0.94	-0.96
63	-1.31	-0.92	-0.90	-0.93
64	-1.27	-0.88	-0.87	-0.90
65	-1.23	-0.84	-0.84	-0.88
66	-1.19	-0.83	-0.82	-0.85
67	-1.58	-1.23	-1.17	-1.12
68	-1.54	-1.19	-1.13	-1.09
69	-1.50	-1.15	-1.09	-1.07
70	-1.46	-1.10	-1.06	-1.04
71	-1.43	-1.06	-1.02	-1.02
72	-1.39	-1.01	-0.98	-0.99
73	-1.35	-0.97	-0.95	-0.96
74	-1.31	-0.93	-0.91	-0.94
75	-1.28	-0.89	-0.87	-0.91
76	-1.24	-0.86	-0.85	-0.89
77	-1.20	-0.84	-0.82	-0.86
78	-1.58	-1.25	-1.18	-1.12
79	-1.54	-1.20	-1.14	-1.10
80	-1.51	-1.16	-1.10	-1.07
81	-1.47	-1.11	-1.07	-1.05
82	-1.43	-1.07	-1.03	-1.02
83	-1.39	-1.03	-0.99	-0.99
84	-1.36	-0.98	-0.95	-0.97
85	-1.32	-0.94	-0.92	-0.94
86	-1.28	-0.91	-0.89	-0.92
87	-1.24	-0.88	-0.86	-0.89
88	-1.21	-0.86	-0.84	-0.86
89	-1.58	-1.25	-1.18	-1.12
90	-1.55	-1.21	-1.14	-1.10
91	-1.51	-1.16	-1.11	-1.07
92	-1.47	-1.12	-1.07	-1.05
93	-1.44	-1.08	-1.03	-1.02
94	-1.40	-1.03	-1.00	-1.00
95	-1.36	-0.99	-0.96	-0.97
96	-1.32	-0.96	-0.93	-0.94
97	-1.29	-0.92	-0.90	-0.92
98	-1.25	-0.90	-0.87	-0.89
99	-1.21	-0.87	-0.85	-0.87
100	-1.59	-1.27	-1.19	-1.13
101	-1.56	-1.23	-1.16	-1.11
102	-1.52	-1.18	-1.12	-1.08
103	-1.48	-1.14	-1.08	-1.05
104	-1.44	-1.09	-1.05	-1.03
105	-1.41	-1.06	-1.01	-1.00
106	-1.37	-1.03	-0.98	-0.98
107	-1.33	-0.99	-0.95	-0.95
108	-1.29	-0.96	-0.92	-0.92
109	-1.26	-0.94	-0.90	-0.90
110	-1.22	-0.91	-0.87	-0.87
111	-1.60	-1.29	-1.21	-1.14
112	-1.56	-1.24	-1.17	-1.11
113	-1.53	-1.20	-1.13	-1.09
114	-1.49	-1.16	-1.10	-1.06
115	-1.45	-1.13	-1.06	-1.04
116	-1.42	-1.10	-1.03	-1.01
117	-1.38	-1.07	-1.01	-0.98
118	-1.34	-1.03	-0.98	-0.96
119	-1.30	-1.00	-0.95	-0.93
120	-1.27	-0.98	-0.92	-0.91

121	-1.23	-0.95	-0.90	-0.88
122	-1.61	-1.30	-1.21	-1.14
123	-1.23	-0.98	-0.91	-0.88
124	-1.27	-1.00	-0.93	-0.91
125	-1.31	-1.03	-0.96	-0.94
126	-1.35	-1.06	-0.99	-0.96
127	-1.38	-1.09	-1.02	-0.99
128	-1.42	-1.13	-1.05	-1.01
129	-1.46	-1.16	-1.08	-1.04
130	-1.50	-1.19	-1.11	-1.07
131	-1.54	-1.23	-1.14	-1.09
132	-1.57	-1.26	-1.18	-1.12
133	-1.61	-1.31	-1.22	-1.15
134	-1.62	-1.32	-1.23	-1.15
135	-1.58	-1.29	-1.19	-1.12
136	-1.54	-1.26	-1.16	-1.10
137	-1.50	-1.23	-1.13	-1.07
138	-1.47	-1.19	-1.11	-1.05
139	-1.43	-1.16	-1.08	-1.02
140	-1.39	-1.13	-1.05	-0.99
141	-1.35	-1.10	-1.02	-0.97
142	-1.32	-1.07	-0.99	-0.94
143	-1.28	-1.04	-0.96	-0.92
144	-1.24	-1.02	-0.94	-0.89
335	-1.13	-0.93	-0.85	-0.81
336	-1.09	-0.91	-0.83	-0.78
337	-1.05	-0.89	-0.81	-0.75
338	-1.02	-0.87	-0.78	-0.73
339	-0.98	-0.85	-0.76	-0.70
340	-0.96	-0.84	-0.75	-0.69
341	-0.94	-0.83	-0.74	-0.67
342	-0.92	-0.82	-0.73	-0.66
343	-0.90	-0.81	-0.71	-0.65
344	-0.86	-0.79	-0.69	-0.62
346	-1.14	-0.91	-0.84	-0.81
347	-1.10	-0.89	-0.82	-0.79
348	-1.06	-0.86	-0.79	-0.76
349	-1.02	-0.84	-0.77	-0.73
350	-0.99	-0.82	-0.75	-0.71
351	-0.96	-0.81	-0.74	-0.69
352	-0.95	-0.80	-0.73	-0.68
353	-0.93	-0.79	-0.72	-0.67
354	-0.91	-0.78	-0.71	-0.65
355	-0.87	-0.77	-0.69	-0.63
357	-1.15	-0.88	-0.83	-0.82
358	-1.11	-0.86	-0.81	-0.79
359	-1.07	-0.84	-0.78	-0.77
360	-1.03	-0.82	-0.76	-0.74
361	-0.99	-0.80	-0.74	-0.71
362	-0.97	-0.79	-0.73	-0.70
363	-0.96	-0.79	-0.72	-0.69
364	-0.94	-0.78	-0.72	-0.68
365	-0.92	-0.78	-0.71	-0.66
366	-0.88	-0.77	-0.69	-0.63
368	-1.15	-0.85	-0.82	-0.82
369	-1.12	-0.83	-0.79	-0.80
370	-1.08	-0.81	-0.77	-0.77
371	-1.04	-0.80	-0.75	-0.75
372	-1.00	-0.79	-0.74	-0.72
373	-0.98	-0.78	-0.73	-0.70
374	-0.97	-0.78	-0.72	-0.69
375	-0.95	-0.78	-0.72	-0.68
376	-0.93	-0.77	-0.71	-0.67
377	-0.89	-0.77	-0.69	-0.64
379	-1.16	-0.83	-0.81	-0.83
380	-1.13	-0.81	-0.79	-0.81
381	-1.09	-0.80	-0.77	-0.78
382	-1.05	-0.79	-0.76	-0.75
383	-1.01	-0.78	-0.74	-0.73
384	-0.99	-0.78	-0.73	-0.71
385	-0.97	-0.78	-0.73	-0.70
386	-0.96	-0.77	-0.72	-0.69
387	-0.94	-0.77	-0.71	-0.67
388	-0.90	-0.76	-0.70	-0.65
390	-1.17	-0.81	-0.80	-0.84
391	-1.13	-0.80	-0.79	-0.81
392	-1.10	-0.80	-0.77	-0.79
393	-1.06	-0.79	-0.76	-0.76
394	-1.02	-0.78	-0.74	-0.73

395	-1.00	-0.78	-0.73	-0.72
396	-0.98	-0.77	-0.73	-0.71
397	-0.97	-0.77	-0.72	-0.70
398	-0.94	-0.76	-0.71	-0.68
399	-0.91	-0.76	-0.70	-0.65
401	-1.18	-0.82	-0.81	-0.84
402	-1.14	-0.81	-0.79	-0.82
403	-1.10	-0.81	-0.78	-0.79
404	-1.07	-0.80	-0.76	-0.77
405	-1.03	-0.79	-0.75	-0.74
406	-1.01	-0.79	-0.74	-0.72
407	-0.99	-0.78	-0.73	-0.71
408	-0.98	-0.78	-0.73	-0.70
409	-0.95	-0.77	-0.72	-0.69
410	-0.92	-0.77	-0.70	-0.66
413	-1.19	-0.86	-0.83	-0.85
414	-1.15	-0.84	-0.81	-0.83
415	-1.11	-0.82	-0.79	-0.80
416	-1.08	-0.82	-0.78	-0.77
417	-1.04	-0.81	-0.76	-0.75
418	-1.02	-0.80	-0.75	-0.73
419	-1.00	-0.80	-0.75	-0.72
420	-0.98	-0.80	-0.74	-0.71
421	-0.96	-0.79	-0.73	-0.69
422	-0.92	-0.78	-0.72	-0.67
424	-1.20	-0.90	-0.86	-0.86
425	-1.16	-0.88	-0.83	-0.83
426	-1.12	-0.86	-0.81	-0.81
427	-1.08	-0.83	-0.79	-0.78
428	-1.05	-0.83	-0.77	-0.75
429	-1.02	-0.82	-0.77	-0.74
430	-1.01	-0.82	-0.76	-0.73
431	-0.99	-0.81	-0.75	-0.72
432	-0.97	-0.81	-0.74	-0.70
433	-0.93	-0.80	-0.73	-0.67
435	-1.21	-0.94	-0.88	-0.86
436	-1.17	-0.92	-0.86	-0.84
437	-1.13	-0.89	-0.83	-0.81
438	-1.09	-0.87	-0.81	-0.79
439	-1.05	-0.85	-0.79	-0.76
440	-1.03	-0.84	-0.78	-0.74
441	-1.02	-0.84	-0.77	-0.73
442	-1.00	-0.83	-0.77	-0.72
443	-0.98	-0.83	-0.76	-0.71
444	-0.94	-0.82	-0.74	-0.68
446	-1.21	-0.96	-0.89	-0.87
447	-1.17	-0.94	-0.87	-0.84
448	-1.14	-0.92	-0.85	-0.82
449	-1.10	-0.90	-0.83	-0.79
450	-1.06	-0.88	-0.81	-0.77
451	-1.04	-0.87	-0.80	-0.75
452	-1.02	-0.87	-0.79	-0.74
453	-1.01	-0.86	-0.78	-0.73
454	-0.99	-0.85	-0.77	-0.71
456	-0.95	-0.84	-0.76	-0.69
467	-1.22	-1.00	-0.92	-0.88
468	-1.18	-0.98	-0.90	-0.85
469	-1.15	-0.96	-0.88	-0.82
470	-1.11	-0.94	-0.85	-0.80
471	-1.07	-0.92	-0.83	-0.77
472	-1.05	-0.91	-0.82	-0.76
473	-1.03	-0.90	-0.81	-0.74
474	-1.02	-0.89	-0.80	-0.73
475	-0.99	-0.88	-0.78	-0.72
476	-0.96	-0.86	-0.76	-0.69

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**
	-1.62			
	-0.62			

Vasca per alloggiamento impianto di derivazione

Nodo (G)	**Pt 1/12**	**Pt 2/13**	**Pt 3...**	**Pt 4...**							
	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2	daN/cm2
1	-1.35	-1.41	-1.20	-0.99							
2	-1.36	-1.37	-1.18	-1.00							
3	-1.36	-1.33	-1.16	-1.00							
4	-1.37	-1.33	-1.17	-1.00							
5	-1.37	-1.38	-1.19	-1.01							

6	-1.38	-1.43	-1.22	-1.01
7	-1.35	-1.36	-1.17	-0.99
8	-1.35	-1.22	-1.10	-0.99
9	-1.36	-1.19	-1.08	-1.00
10	-1.36	-1.19	-1.09	-1.00
11	-1.37	-1.24	-1.11	-1.00
12	-1.37	-1.38	-1.19	-1.01
13	-1.34	-1.31	-1.15	-0.99
14	-1.35	-1.18	-1.07	-0.99
15	-1.35	-1.04	-1.00	-0.99
16	-1.36	-1.05	-1.00	-1.00
17	-1.36	-1.19	-1.09	-1.00
18	-1.37	-1.33	-1.17	-1.00
19	-1.34	-1.31	-1.14	-0.98
20	-1.34	-1.17	-1.07	-0.98
21	-1.35	-1.04	-1.00	-0.99
22	-1.35	-1.04	-1.00	-0.99
23	-1.36	-1.19	-1.08	-1.00
24	-1.36	-1.33	-1.16	-1.00
25	-1.33	-1.35	-1.16	-0.98
26	-1.34	-1.21	-1.09	-0.98
27	-1.34	-1.17	-1.07	-0.98
28	-1.35	-1.18	-1.07	-0.99
29	-1.35	-1.22	-1.10	-0.99
30	-1.36	-1.37	-1.18	-1.00
31	-1.33	-1.39	-1.18	-0.97
32	-1.33	-1.35	-1.16	-0.98
33	-1.34	-1.31	-1.14	-0.98
34	-1.34	-1.31	-1.15	-0.98
35	-1.35	-1.36	-1.17	-0.99
36	-1.35	-1.41	-1.20	-0.99

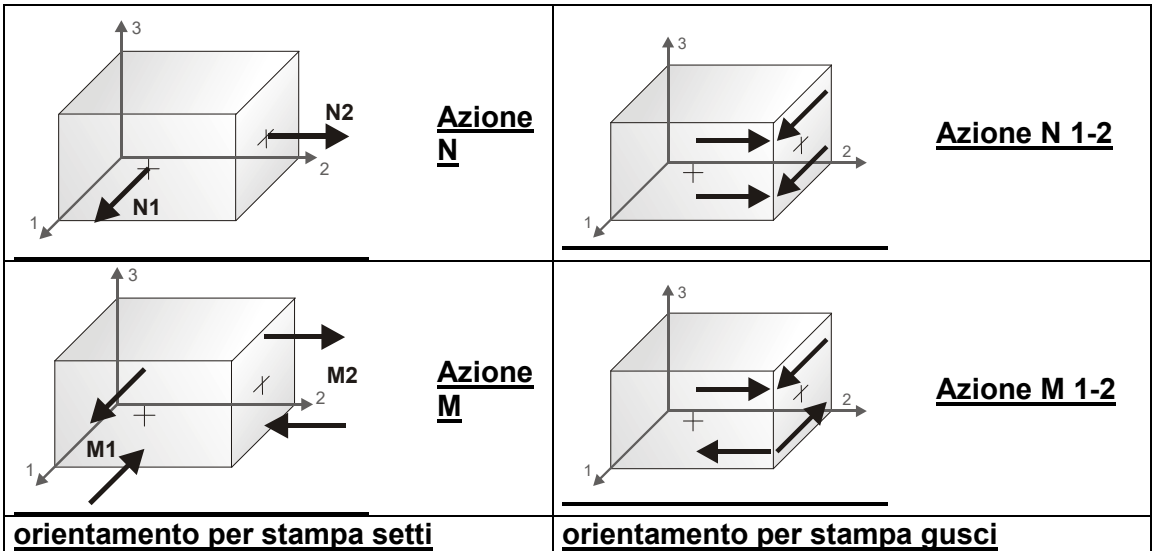
Nodo (G)	Pt 1/12	Pt 2/13	Pt 3...	Pt 4...
	-1.43			
	-0.97			

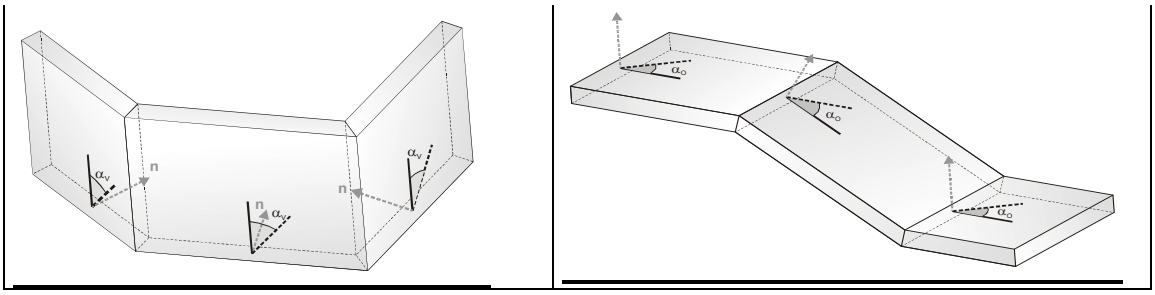
RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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





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

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

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

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

Vasca per alloggiamento impianto di sollevamento

Macro	Tipo	Angolo 1-Z (gradi)
2	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
2	1	-470.00	-8170.97	269.94	2.848e+04	-1.983e+04	-1.268e+06	-340.80
2	1	-428.00	-8448.44	1139.73	2.888e+04	1.466e+04	-6.389e+04	1602.21
2	1	-386.00	-8165.08	1521.26	1.520e+04	5.488e+04	3.250e+05	240.59
2	1	-344.00	-7742.02	731.22	9488.84	1.006e+05	3.789e+05	-2226.42
2	1	-302.00	-6800.89	-1263.71	6983.43	1.499e+05	3.222e+05	-4497.31
2	1	-250.00	-3986.99	-1096.44	6025.95	3.434e+05	1.533e+05	8062.05
2	1	-218.00	-1.046e+04	5045.39	1.116e+04	1.237e+05	1.573e+05	1.132e+04
2	1	-176.00	-1.176e+04	1995.74	7717.03	1.287e+05	1.484e+05	1.533e+04
2	1	-148.00	-1.081e+04	1005.06	2420.82	1.292e+05	1.232e+05	1.273e+04
2	1	-134.00	-1.003e+04	799.96	-839.22	1.308e+05	1.002e+05	1.139e+04
2	1	-120.00	-9505.38	690.14	-1794.12	1.311e+05	5.233e+04	1.008e+04
2	1	-92.00	-8660.92	795.44	-2928.19	1.329e+05	-9.813e+04	7300.61
2	1	-50.00	-7502.41	1565.12	-9285.20	1.523e+05	-4.976e+05	4026.31
2	3	-470.00	-8172.94	267.64	2.848e+04	-1.990e+04	-1.268e+06	-340.66
2	3	-428.00	-8450.39	1137.29	2.888e+04	1.455e+04	-6.390e+04	1602.65
2	3	-386.00	-8166.97	1518.77	1.520e+04	5.473e+04	3.250e+05	240.83
2	3	-344.00	-7743.77	728.74	9488.83	1.004e+05	3.789e+05	-2226.30
2	3	-302.00	-6802.40	-1266.06	6983.41	1.496e+05	3.222e+05	-4497.15
2	3	-250.00	-3987.81	-1097.89	6025.98	3.431e+05	1.533e+05	8061.74
2	3	-218.00	-1.046e+04	5045.44	1.116e+04	1.237e+05	1.573e+05	1.132e+04
2	3	-176.00	-1.176e+04	1995.76	7717.01	1.286e+05	1.484e+05	1.533e+04
2	3	-148.00	-1.081e+04	1005.08	2420.81	1.292e+05	1.232e+05	1.273e+04
2	3	-134.00	-1.003e+04	799.97	-839.23	1.308e+05	1.002e+05	1.139e+04
2	3	-120.00	-9505.47	690.15	-1794.12	1.311e+05	5.233e+04	1.008e+04
2	3	-92.00	-8660.91	795.46	-2928.18	1.329e+05	-9.813e+04	7300.55
2	3	-50.00	-7502.28	1565.16	-9285.12	1.523e+05	-4.976e+05	4026.32
2	4	-470.00	-1.620e+04	169.90	2.933e+04	-2.346e+04	-1.316e+06	-310.64
2	4	-428.00	-1.652e+04	1038.08	2.937e+04	2687.54	-8.296e+04	1822.27
2	4	-386.00	-1.632e+04	1410.74	1.544e+04	3.110e+04	3.208e+05	435.39
2	4	-344.00	-1.600e+04	596.70	9614.38	6.158e+04	3.822e+05	-2116.37
2	4	-302.00	-1.521e+04	-1458.87	7051.43	9.027e+04	3.293e+05	-4680.82
2	4	-250.00	-1.260e+04	-1634.45	6026.32	2.465e+05	1.624e+05	6343.36
2	4	-218.00	-2.309e+04	4796.20	1.115e+04	3.314e+05	1.554e+05	9906.69
2	4	-176.00	-2.371e+04	1864.80	7446.80	3.541e+05	1.409e+05	1.510e+04
2	4	-148.00	-2.243e+04	919.21	1866.21	3.576e+05	1.042e+05	1.264e+04
2	4	-134.00	-2.150e+04	724.14	-1681.04	3.597e+05	7.099e+04	1.126e+04
2	4	-120.00	-2.079e+04	619.04	-2978.52	3.619e+05	9014.04	9828.43
2	4	-92.00	-1.953e+04	716.26	-4970.22	3.695e+05	-1.848e+05	6617.98
2	4	-50.00	-1.784e+04	1442.64	-1.262e+04	3.964e+05	-6.961e+05	2547.96
2	5	-470.00	-6687.46	-260.36	2.193e+04	-2.768e+04	-9.773e+05	-235.52
2	5	-428.00	-6895.77	381.39	2.223e+04	-1.214e+04	-4.987e+04	1321.67
2	5	-386.00	-6664.04	662.86	1.169e+04	1.073e+04	2.496e+05	234.71
2	5	-344.00	-6312.11	57.84	7296.00	3.795e+04	2.910e+05	-1688.70
2	5	-302.00	-5538.26	-1451.67	5367.35	6.884e+04	2.472e+05	-3427.03
2	5	-250.00	-3234.95	-1138.55	4641.67	2.186e+05	1.174e+05	6139.04
2	5	-218.00	-8075.59	3891.97	8575.20	9.541e+04	1.215e+05	8712.26
2	5	-176.00	-9094.61	1539.70	5931.99	9.833e+04	1.143e+05	1.176e+04
2	5	-148.00	-8354.91	776.01	1860.12	9.870e+04	9.485e+04	9759.28
2	5	-134.00	-7747.47	618.13	-646.95	1.001e+05	7.717e+04	8738.67
2	5	-120.00	-7330.81	533.96	-1380.34	1.005e+05	4.033e+04	7733.14
2	5	-92.00	-6659.43	616.07	-2249.01	1.024e+05	-7.538e+04	5602.70
2	5	-50.00	-5745.61	1212.10	-7127.34	1.179e+05	-3.823e+05	3099.43
2	9	-470.00	-8437.52	1086.01	2.229e+04	-6.102e+04	-9.959e+05	-1543.75
2	9	-428.00	-8867.47	1742.35	2.240e+04	-4.561e+04	-5.400e+04	448.57
2	9	-386.00	-8718.46	1954.23	1.178e+04	8226.89	2.507e+05	-393.95
2	9	-344.00	-8591.79	1177.21	7331.48	5.169e+04	2.942e+05	-2225.31
2	9	-302.00	-8032.98	-585.80	5378.06	9.046e+04	2.512e+05	-4331.01
2	9	-250.00	-6030.32	-678.99	4595.00	2.341e+05	1.206e+05	4914.31
2	9	-218.00	-1.342e+04	6739.54	8771.52	1.143e+04	1.116e+05	7290.51
2	9	-176.00	-1.426e+04	4403.45	5900.79	5.395e+04	1.075e+05	1.111e+04
2	9	-148.00	-1.371e+04	3393.51	1624.13	8.600e+04	8.517e+04	9451.05
2	9	-134.00	-1.322e+04	3032.24	-1057.22	1.112e+05	6.314e+04	8517.38
2	9	-120.00	-1.281e+04	2809.38	-1984.66	1.252e+05	1.916e+04	7487.15
2	9	-92.00	-1.208e+04	2680.42	-3318.84	1.477e+05	-1.188e+05	5137.58
2	9	-50.00	-1.107e+04	2862.95	-8889.29	1.964e+05	-4.851e+05	1618.25
2	14	-470.00	-9632.80	1615.57	2.212e+04	-6.076e+04	-9.911e+05	-1186.83
2	14	-428.00	-9983.05	2271.91	2.223e+04	-4.725e+04	-4.927e+04	950.21
2	14	-386.00	-9765.43	2434.20	1.172e+04	6619.09	2.506e+05	164.09
2	14	-344.00	-9537.59	1605.73	7313.07	4.676e+04	2.922e+05	-1628.50
2	14	-302.00	-8842.61	-177.52	5377.17	7.694e+04	2.490e+05	-3624.69
2	14	-250.00	-6709.44	-340.55	4605.93	2.120e+05	1.191e+05	5156.90
2	14	-218.00	-1.464e+04	7309.21	8703.15	-5.945e+04	1.124e+05	7287.14
2	14	-176.00	-1.520e+04	4877.87	5870.38	-1.202e+04	1.062e+05	1.106e+04

2	14	-148.00	-1.438e+04	3859.20	1617.08	3.284e+04	8.267e+04	9407.45
2	14	-134.00	-1.372e+04	3491.32	-1050.82	6.098e+04	6.046e+04	8485.94
2	14	-120.00	-1.321e+04	3272.24	-1968.54	7.854e+04	1.659e+04	7460.68
2	14	-92.00	-1.234e+04	3119.36	-3279.33	1.076e+05	-1.209e+05	4931.52
2	14	-50.00	-1.116e+04	3279.95	-8807.87	1.711e+05	-4.846e+05	1484.02
2	19	-470.00	-1.166e+04	-1436.05	2.259e+04	1.724e+04	-1.012e+06	370.87
2	19	-428.00	-1.180e+04	-779.71	2.270e+04	3.330e+04	-6.954e+04	1629.36
2	19	-386.00	-1.161e+04	-393.91	1.192e+04	3.318e+04	2.449e+05	304.58
2	19	-344.00	-1.135e+04	-814.27	7414.30	6.394e+04	2.939e+05	-1844.51
2	19	-302.00	-1.067e+04	-2154.84	5433.02	8.678e+04	2.536e+05	-3663.45
2	19	-250.00	-8598.45	-1949.94	4654.00	2.182e+05	1.255e+05	5467.88
2	19	-218.00	-1.460e+04	737.53	8501.12	5.047e+05	1.260e+05	9154.37
2	19	-176.00	-1.530e+04	-1446.31	5745.90	4.660e+05	1.141e+05	1.265e+04
2	19	-148.00	-1.445e+04	-1977.89	1529.01	4.115e+05	8.730e+04	1.045e+04
2	19	-134.00	-1.372e+04	-1978.69	-1134.27	3.895e+05	6.320e+04	9336.88
2	19	-120.00	-1.324e+04	-1943.31	-2057.53	3.726e+05	1.831e+04	8238.69
2	19	-92.00	-1.242e+04	-1682.08	-3403.42	3.531e+05	-1.218e+05	6087.36
2	19	-50.00	-1.134e+04	-819.56	-9018.56	3.255e+05	-4.920e+05	3636.77
2	28	-470.00	-1.326e+04	372.56	2.214e+04	-1.105e+04	-9.960e+05	631.70
2	28	-428.00	-1.332e+04	1028.90	2.224e+04	4162.98	-5.419e+04	2315.83
2	28	-386.00	-1.303e+04	1246.36	1.174e+04	1.422e+04	2.462e+05	1235.98
2	28	-344.00	-1.256e+04	577.63	7346.64	2.571e+04	2.895e+05	-673.10
2	28	-302.00	-1.171e+04	-967.64	5413.71	3.738e+04	2.480e+05	-2271.45
2	28	-250.00	-9335.36	-980.91	4681.09	1.424e+05	1.210e+05	5677.77
2	28	-218.00	-1.719e+04	3559.96	8399.16	1.722e+05	1.245e+05	8019.95
2	28	-176.00	-1.727e+04	1140.94	5703.09	1.705e+05	1.090e+05	1.169e+04
2	28	-148.00	-1.584e+04	466.19	1533.73	1.945e+05	8.071e+04	9677.77
2	28	-134.00	-1.484e+04	378.49	-1098.96	1.907e+05	5.690e+04	8612.02
2	28	-120.00	-1.415e+04	316.56	-1992.74	1.942e+05	1.258e+04	7550.81
2	28	-92.00	-1.299e+04	401.06	-3290.05	1.982e+05	-1.259e+05	4945.23
2	28	-50.00	-1.146e+04	1090.04	-8797.84	2.256e+05	-4.888e+05	2280.97
2	41	-470.00	-9373.30	663.76	2.233e+04	-4.588e+04	-9.981e+05	-1017.99
2	41	-428.00	-9723.60	1320.10	2.243e+04	-2.981e+04	-5.625e+04	828.93
2	41	-386.00	-9557.21	1556.77	1.180e+04	1.148e+04	2.495e+05	-100.38
2	41	-344.00	-9366.52	837.00	7344.56	4.705e+04	2.938e+05	-1978.02
2	41	-302.00	-8759.69	-848.46	5388.83	7.989e+04	2.513e+05	-4005.35
2	41	-250.00	-6709.87	-897.47	4612.16	2.178e+05	1.214e+05	5059.47
2	41	-218.00	-1.399e+04	5577.94	8693.12	8.556e+04	1.150e+05	7559.09
2	41	-176.00	-1.474e+04	3263.43	5856.76	1.163e+05	1.086e+05	1.132e+04
2	41	-148.00	-1.405e+04	2360.08	1600.58	1.370e+05	8.493e+04	9556.91
2	41	-134.00	-1.348e+04	2080.43	-1072.29	1.533e+05	6.246e+04	8575.43
2	41	-120.00	-1.303e+04	1912.56	-1995.33	1.625e+05	1.833e+04	7527.61
2	41	-92.00	-1.223e+04	1863.83	-3326.70	1.784e+05	-1.199e+05	5175.28
2	41	-50.00	-1.116e+04	2196.94	-8897.32	2.160e+05	-4.864e+05	1880.08
2	46	-470.00	-1.003e+04	963.38	2.222e+04	-4.576e+04	-9.951e+05	-828.42
2	46	-428.00	-1.034e+04	1619.71	2.232e+04	-3.071e+04	-5.330e+04	1093.20
2	46	-386.00	-1.014e+04	1826.49	1.176e+04	1.051e+04	2.494e+05	196.28
2	46	-344.00	-9899.01	1076.43	7333.35	4.420e+04	2.925e+05	-1660.68
2	46	-302.00	-9218.23	-620.51	5388.78	7.193e+04	2.499e+05	-3619.82
2	46	-250.00	-7097.21	-710.93	4618.56	2.049e+05	1.204e+05	5184.65
2	46	-218.00	-1.467e+04	5894.32	8651.80	4.654e+04	1.155e+05	7540.91
2	46	-176.00	-1.527e+04	3520.34	5839.58	7.980e+04	1.078e+05	1.129e+04
2	46	-148.00	-1.442e+04	2612.45	1597.38	1.074e+05	8.351e+04	9528.89
2	46	-134.00	-1.376e+04	2330.04	-1067.93	1.249e+05	6.094e+04	8557.31
2	46	-120.00	-1.325e+04	2165.40	-1985.52	1.359e+05	1.688e+04	7516.41
2	46	-92.00	-1.238e+04	2103.44	-3303.50	1.551e+05	-1.212e+05	5055.41
2	46	-50.00	-1.120e+04	2426.15	-8850.34	2.010e+05	-4.861e+05	1801.12
2	51	-470.00	-1.133e+04	-899.28	2.251e+04	1584.99	-1.008e+06	147.04
2	51	-428.00	-1.151e+04	-242.95	2.261e+04	1.808e+04	-6.570e+04	1561.52
2	51	-386.00	-1.132e+04	105.08	1.188e+04	2.617e+04	2.459e+05	328.24
2	51	-344.00	-1.105e+04	-390.18	7394.90	5.421e+04	2.936e+05	-1743.79
2	51	-302.00	-1.037e+04	-1811.97	5422.28	7.734e+04	2.528e+05	-3594.50
2	51	-250.00	-8279.62	-1673.01	4648.10	2.077e+05	1.244e+05	5395.11
2	51	-218.00	-1.471e+04	1930.92	8528.70	3.861e+05	1.238e+05	8693.08
2	51	-176.00	-1.538e+04	-291.63	5762.36	3.679e+05	1.125e+05	1.226e+04
2	51	-148.00	-1.450e+04	-904.97	1542.70	3.359e+05	8.623e+04	1.016e+04
2	51	-134.00	-1.378e+04	-965.88	-1119.21	3.234e+05	6.249e+04	9074.80
2	51	-120.00	-1.329e+04	-976.96	-2039.72	3.138e+05	1.781e+04	7985.58
2	51	-92.00	-1.244e+04	-788.65	-3378.38	3.041e+05	-1.218e+05	5753.14
2	51	-50.00	-1.131e+04	-41.93	-8975.91	2.951e+05	-4.907e+05	3125.39
2	60	-470.00	-1.216e+04	172.33	2.222e+04	-1.566e+04	-9.980e+05	246.74
2	60	-428.00	-1.230e+04	828.67	2.233e+04	572.40	-5.620e+04	1888.43
2	60	-386.00	-1.207e+04	1073.16	1.177e+04	1.470e+04	2.467e+05	805.04
2	60	-344.00	-1.169e+04	426.36	7353.64	3.113e+04	2.908e+05	-1125.64
2	60	-302.00	-1.092e+04	-1121.38	5411.57	4.786e+04	2.493e+05	-2838.81
2	60	-250.00	-8663.46	-1117.93	4663.65	1.629e+05	1.216e+05	5479.34
2	60	-218.00	-1.615e+04	3595.99	8468.37	1.922e+05	1.227e+05	7970.31
2	60	-176.00	-1.648e+04	1224.86	5739.82	1.955e+05	1.096e+05	1.167e+04
2	60	-148.00	-1.528e+04	525.95	1548.05	2.094e+05	8.243e+04	9710.84

2	60	-134.00	-1.441e+04	414.66	-1096.69	2.069e+05	5.891e+04	8655.04
2	60	-120.00	-1.380e+04	346.52	-2000.18	2.089e+05	1.457e+04	7596.23
2	60	-92.00	-1.276e+04	430.75	-3310.91	2.122e+05	-1.241e+05	5079.35
2	60	-50.00	-1.137e+04	1078.96	-8846.90	2.349e+05	-4.886e+05	2304.77
2	73	-470.00	-6460.19	4.17	2.192e+04	-2.066e+04	-9.764e+05	-250.57
2	73	-428.00	-6671.39	661.36	2.222e+04	1097.01	-4.946e+04	1271.25
2	73	-386.00	-6447.44	949.62	1.169e+04	2.853e+04	2.498e+05	206.65
2	73	-344.00	-6110.49	343.07	7297.76	6.026e+04	2.913e+05	-1702.23
2	73	-302.00	-5364.85	-1180.60	5369.91	9.510e+04	2.476e+05	-3445.36
2	73	-250.00	-3139.97	-971.73	4638.10	2.443e+05	1.177e+05	6174.38
2	73	-218.00	-8057.15	3885.81	8580.86	9.525e+04	1.212e+05	8711.78
2	73	-176.00	-9067.84	1537.15	5934.35	9.869e+04	1.142e+05	1.178e+04
2	73	-148.00	-8333.12	774.38	1861.28	9.910e+04	9.479e+04	9776.00
2	73	-134.00	-7730.93	616.56	-646.16	1.004e+05	7.712e+04	8753.37
2	73	-120.00	-7320.08	532.22	-1380.20	1.007e+05	4.029e+04	7745.77
2	73	-92.00	-6661.02	613.70	-2250.96	1.023e+05	-7.544e+04	5610.14
2	73	-50.00	-5760.01	1207.48	-7135.89	1.175e+05	-3.826e+05	3098.15
2	75	-470.00	-6461.50	2.63	2.192e+04	-2.070e+04	-9.764e+05	-250.49
2	75	-428.00	-6672.70	659.73	2.222e+04	1020.28	-4.947e+04	1271.54
2	75	-386.00	-6448.70	947.96	1.169e+04	2.842e+04	2.498e+05	206.81
2	75	-344.00	-6111.66	341.42	7297.75	6.013e+04	2.913e+05	-1702.15
2	75	-302.00	-5365.85	-1182.17	5369.89	9.494e+04	2.476e+05	-3445.26
2	75	-250.00	-3140.52	-972.70	4638.12	2.442e+05	1.177e+05	6174.18
2	75	-218.00	-8057.26	3885.84	8580.83	9.525e+04	1.212e+05	8711.78
2	75	-176.00	-9067.99	1537.16	5934.34	9.869e+04	1.142e+05	1.178e+04
2	75	-148.00	-8333.25	774.39	1861.27	9.910e+04	9.479e+04	9775.90
2	75	-134.00	-7731.02	616.57	-646.17	1.004e+05	7.712e+04	8753.29
2	75	-120.00	-7320.15	532.23	-1380.20	1.007e+05	4.029e+04	7745.70
2	75	-92.00	-6661.01	613.71	-2250.95	1.023e+05	-7.544e+04	5610.09
2	75	-50.00	-5759.93	1207.51	-7135.84	1.175e+05	-3.826e+05	3098.16
2	76	-470.00	-1.181e+04	-62.53	2.249e+04	-2.307e+04	-1.008e+06	-230.47
2	76	-428.00	-1.205e+04	593.59	2.254e+04	-6884.79	-6.218e+04	1417.96
2	76	-386.00	-1.188e+04	875.94	1.186e+04	1.267e+04	2.470e+05	336.52
2	76	-344.00	-1.162e+04	253.39	7381.45	3.422e+04	2.934e+05	-1628.86
2	76	-302.00	-1.097e+04	-1310.70	5415.23	5.536e+04	2.523e+05	-3567.71
2	76	-250.00	-8884.64	-1330.41	4638.35	1.797e+05	1.237e+05	5028.59
2	76	-218.00	-1.648e+04	3719.68	8570.52	2.338e+05	1.200e+05	7766.35
2	76	-176.00	-1.703e+04	1449.86	5754.20	2.490e+05	1.092e+05	1.162e+04
2	76	-148.00	-1.608e+04	717.14	1491.53	2.513e+05	8.217e+04	9721.83
2	76	-134.00	-1.538e+04	566.01	-1207.37	2.529e+05	5.764e+04	8663.08
2	76	-120.00	-1.484e+04	484.82	-2169.80	2.545e+05	1.141e+04	7576.63
2	76	-92.00	-1.390e+04	560.92	-3612.31	2.600e+05	-1.332e+05	5155.05
2	76	-50.00	-1.265e+04	1125.83	-9356.97	2.802e+05	-5.149e+05	2112.58
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-2.371e+04	-2154.84	-1.262e+04	-6.102e+04	-1.316e+06	-4680.82
			-3139.97	7309.21	2.937e+04	5.047e+05	3.822e+05	1.533e+04

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

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	3	-470.00	-1.168e+04	-1825.52	3.265e+04	-2.670e+04	-1.506e+06	-709.89
3	3	-428.00	-1.140e+04	-2009.36	3.311e+04	4.873e+04	-1.251e+05	-1800.51
3	3	-386.00	-1.053e+04	-1975.33	1.769e+04	7.746e+04	3.605e+05	-5463.43
3	3	-344.00	-1.065e+04	-1711.58	1.101e+04	-4.345e+04	4.587e+05	-6711.00
3	3	-302.00	-1.021e+04	-719.64	7396.91	-8.950e+04	4.086e+05	5613.05
3	3	-250.00	-7579.65	278.03	7252.48	1.580e+05	2.307e+05	6811.03
3	3	-218.00	-6695.16	326.00	3269.71	1.584e+05	2.130e+05	2670.00
3	3	-176.00	-6222.69	395.39	3536.94	1.249e+05	1.033e+05	445.82
3	3	-148.00	-5794.80	350.79	498.74	9.912e+04	5.999e+04	-247.78
3	3	-134.00	-5512.46	296.25	-1668.37	8.894e+04	3.103e+04	-413.60
3	3	-120.00	-5374.45	222.69	-2402.81	7.964e+04	-1.583e+04	-399.24
3	3	-92.00	-5252.56	0.23	-3404.56	6.362e+04	-1.498e+05	406.26
3	3	-50.00	-4915.28	-338.08	-7649.99	5.695e+04	-4.720e+05	3442.28
3	4	-470.00	-2.062e+04	-1777.58	3.346e+04	-3.434e+04	-1.553e+06	-676.99
3	4	-428.00	-2.038e+04	-1965.11	3.359e+04	3.158e+04	-1.446e+05	-1784.70
3	4	-386.00	-1.954e+04	-1925.33	1.792e+04	5.033e+04	3.555e+05	-5107.62
3	4	-344.00	-1.958e+04	-1655.79	1.111e+04	-6.735e+04	4.602e+05	-6382.25
3	4	-302.00	-1.910e+04	-681.32	7481.71	-1.174e+05	4.139e+05	4857.80
3	4	-250.00	-1.650e+04	315.20	7240.89	1.146e+05	2.385e+05	6322.26
3	4	-218.00	-1.554e+04	375.40	3150.96	1.197e+05	2.185e+05	2648.09
3	4	-176.00	-1.499e+04	461.20	3183.26	8.932e+04	9.957e+04	635.02

3	4	-148.00	-1.453e+04	437.14	-152.19	6.239e+04	4.199e+04	-1.16
3	4	-134.00	-1.423e+04	397.66	-2528.13	5.079e+04	1955.69	-156.67
3	4	-120.00	-1.408e+04	341.92	-3506.46	3.975e+04	-5.859e+04	-151.27
3	4	-92.00	-1.395e+04	163.25	-5118.38	1.893e+04	-2.307e+05	537.27
3	4	-50.00	-1.360e+04	-143.58	-1.027e+04	2019.26	-6.436e+05	3040.58
3	7	-470.00	-9000.66	-1404.38	2.512e+04	-2.024e+04	-1.159e+06	-559.45
3	7	-428.00	-8728.23	-1545.85	2.548e+04	3.770e+04	-9.684e+04	-1415.04
3	7	-386.00	-7991.60	-1519.91	1.362e+04	5.926e+04	2.769e+05	-4231.24
3	7	-344.00	-8021.01	-1316.33	8468.96	-3.459e+04	3.526e+05	-5119.09
3	7	-302.00	-7624.40	-552.29	5686.55	-6.867e+04	3.140e+05	4428.24
3	7	-250.00	-5581.37	213.96	5580.22	1.225e+05	1.771e+05	5250.66
3	7	-218.00	-4921.89	250.87	2517.14	1.220e+05	1.635e+05	2045.33
3	7	-176.00	-4602.18	304.30	2723.87	9.593e+04	7.921e+04	336.24
3	7	-148.00	-4314.07	269.93	388.30	7.605e+04	4.603e+04	-193.99
3	7	-134.00	-4118.84	227.94	-1277.71	6.823e+04	2.383e+04	-320.35
3	7	-120.00	-4034.61	171.32	-1841.62	6.109e+04	-1.214e+04	-308.47
3	7	-92.00	-3983.13	0.26	-2609.32	4.881e+04	-1.150e+05	312.72
3	7	-50.00	-3769.01	-258.61	-5866.62	4.370e+04	-3.623e+05	2645.98
3	22	-470.00	-1.097e+04	-730.24	2.580e+04	8490.09	-1.192e+06	-1126.21
3	22	-428.00	-1.096e+04	-873.65	2.598e+04	6.118e+04	-1.150e+05	-1672.80
3	22	-386.00	-1.049e+04	-857.86	1.384e+04	7.204e+04	2.757e+05	-4258.18
3	22	-344.00	-1.062e+04	-691.16	8563.81	-3.243e+04	3.571e+05	-5145.41
3	22	-302.00	-1.053e+04	8.80	5755.09	-7.825e+04	3.217e+05	3894.94
3	22	-250.00	-8806.04	706.39	5591.98	8.836e+04	1.864e+05	5090.30
3	22	-218.00	-8391.57	677.28	2428.69	8.844e+04	1.715e+05	2273.17
3	22	-176.00	-8272.57	671.32	2510.57	6.547e+04	8.213e+04	563.89
3	22	-148.00	-8194.47	579.36	8.59	4.645e+04	4.101e+04	63.46
3	22	-134.00	-8130.27	497.09	-1783.41	4.092e+04	1.248e+04	-45.13
3	22	-120.00	-8175.76	415.89	-2493.12	3.169e+04	-3.136e+04	-30.77
3	22	-92.00	-8766.10	229.20	-3622.36	1.502e+04	-1.561e+05	558.83
3	22	-50.00	-8631.05	-77.74	-7464.22	1.811e+04	-4.587e+05	2528.39
3	23	-470.00	-1.655e+04	-2027.23	2.530e+04	-5.746e+04	-1.176e+06	57.58
3	23	-428.00	-1.613e+04	-2170.64	2.548e+04	-4319.74	-9.879e+04	-1106.37
3	23	-386.00	-1.522e+04	-2128.14	1.363e+04	1.791e+04	2.733e+05	-3792.34
3	23	-344.00	-1.514e+04	-1882.30	8479.92	-6.092e+04	3.499e+05	-4791.10
3	23	-302.00	-1.446e+04	-1073.95	5712.30	-8.909e+04	3.122e+05	4030.66
3	23	-250.00	-1.215e+04	-238.92	5554.52	1.092e+05	1.765e+05	4876.73
3	23	-218.00	-1.114e+04	-122.97	2476.68	1.141e+05	1.617e+05	1803.78
3	23	-176.00	-1.049e+04	7.29	2556.35	8.859e+04	7.261e+04	317.99
3	23	-148.00	-9910.95	52.50	68.41	6.669e+04	3.198e+04	-184.54
3	23	-134.00	-9547.38	66.90	-1695.50	5.505e+04	4213.42	-319.02
3	23	-120.00	-9297.40	53.91	-2374.94	4.813e+04	-3.858e+04	-320.12
3	23	-92.00	-8538.96	-54.88	-3435.21	3.507e+04	-1.605e+05	206.11
3	23	-50.00	-8184.17	-233.66	-7087.13	1.081e+04	-4.498e+05	2337.27
3	34	-470.00	-1.292e+04	1073.30	2.562e+04	6.952e+04	-1.186e+06	-1931.71
3	34	-428.00	-1.276e+04	929.90	2.580e+04	1.235e+05	-1.093e+05	-1608.68
3	34	-386.00	-1.213e+04	872.29	1.377e+04	1.209e+05	2.749e+05	-4013.69
3	34	-344.00	-1.220e+04	904.14	8535.43	-5012.17	3.547e+05	-4569.98
3	34	-302.00	-1.200e+04	1461.16	5733.45	-6.158e+04	3.184e+05	4578.18
3	34	-250.00	-9957.03	1989.21	5577.49	6.715e+04	1.828e+05	5497.71
3	34	-218.00	-9351.06	1796.99	2448.60	6.326e+04	1.680e+05	2636.00
3	34	-176.00	-9042.28	1646.37	2527.59	4.563e+04	7.873e+04	658.57
3	34	-148.00	-8772.18	1414.03	29.15	3.183e+04	3.780e+04	127.64
3	34	-134.00	-8609.25	1246.82	-1753.19	3.379e+04	9530.18	-6.73
3	34	-120.00	-8569.95	1111.48	-2452.38	3.017e+04	-3.394e+04	-33.81
3	34	-92.00	-8703.14	835.15	-3557.43	3.054e+04	-1.576e+05	462.29
3	34	-50.00	-8484.85	395.01	-7330.71	2.543e+04	-4.556e+05	2322.45
3	35	-470.00	-1.461e+04	-3830.78	2.548e+04	-1.185e+05	-1.181e+06	863.08
3	35	-428.00	-1.433e+04	-3974.18	2.566e+04	-6.668e+04	-1.045e+05	-1170.49
3	35	-386.00	-1.359e+04	-3858.29	1.370e+04	-3.097e+04	2.740e+05	-4036.83
3	35	-344.00	-1.356e+04	-3477.61	8508.30	-8.834e+04	3.524e+05	-5366.53
3	35	-302.00	-1.299e+04	-2526.32	5733.93	-1.058e+05	3.155e+05	3347.42
3	35	-250.00	-1.100e+04	-1521.75	5569.00	1.304e+05	1.801e+05	4469.32
3	35	-218.00	-1.018e+04	-1242.68	2456.77	1.393e+05	1.653e+05	1440.94
3	35	-176.00	-9720.21	-967.76	2539.33	1.084e+05	7.601e+04	223.32
3	35	-148.00	-9333.24	-782.17	47.85	8.131e+04	3.519e+04	-248.72
3	35	-134.00	-9068.40	-682.83	-1725.71	6.219e+04	7158.85	-357.42
3	35	-120.00	-8903.21	-641.68	-2415.68	4.965e+04	-3.600e+04	-317.09
3	35	-92.00	-8601.93	-660.83	-3500.14	1.956e+04	-1.589e+05	302.65
3	35	-50.00	-8330.37	-706.41	-7220.63	3500.08	-4.529e+05	2543.22
3	55	-470.00	-1.546e+04	-1744.44	2.539e+04	-4.299e+04	-1.179e+06	-188.47
3	55	-428.00	-1.512e+04	-1887.85	2.557e+04	1.009e+04	-1.017e+05	-1218.24
3	55	-386.00	-1.430e+04	-1848.70	1.367e+04	2.926e+04	2.738e+05	-3882.91
3	55	-344.00	-1.426e+04	-1617.85	8495.44	-5.498e+04	3.513e+05	-4852.67
3	55	-302.00	-1.370e+04	-831.38	5720.52	-8.689e+04	3.140e+05	4014.84
3	55	-250.00	-1.150e+04	-25.43	5561.63	1.052e+05	1.784e+05	4925.97
3	55	-218.00	-1.061e+04	58.84	2467.77	1.092e+05	1.636e+05	1895.10
3	55	-176.00	-1.006e+04	158.79	2548.28	8.425e+04	7.446e+04	368.65
3	55	-148.00	-9580.37	173.22	57.56	6.286e+04	3.375e+04	-133.48

3	55	-134.00	-9275.34	165.92	-1711.93	5.238e+04	5833.59	-262.11
3	55	-120.00	-9082.54	137.74	-2397.33	4.500e+04	-3.717e+04	-260.90
3	55	-92.00	-8581.10	11.33	-3471.09	3.131e+04	-1.597e+05	276.49
3	55	-50.00	-8267.03	-196.26	-7160.21	1.235e+04	-4.515e+05	2373.56
3	66	-470.00	-1.325e+04	11.12	2.560e+04	2.743e+04	-1.185e+06	-1336.89
3	66	-428.00	-1.306e+04	-132.28	2.578e+04	8.090e+04	-1.084e+05	-1520.42
3	66	-386.00	-1.241e+04	-161.77	1.376e+04	8.851e+04	2.748e+05	-4026.07
3	66	-344.00	-1.247e+04	-62.81	8530.25	-2.263e+04	3.543e+05	-4759.10
3	66	-302.00	-1.219e+04	573.95	5734.05	-7.074e+04	3.179e+05	4298.70
3	66	-250.00	-1.016e+04	1203.43	5575.97	7.885e+04	1.823e+05	5271.57
3	66	-218.00	-9512.52	1115.33	2450.16	7.717e+04	1.675e+05	2398.13
3	66	-176.00	-9173.39	1061.00	2529.54	5.705e+04	7.821e+04	558.85
3	66	-148.00	-8880.37	924.22	32.55	4.088e+04	3.729e+04	41.17
3	66	-134.00	-8697.45	818.08	-1748.02	3.887e+04	9066.32	-89.87
3	66	-120.00	-8634.01	723.21	-2445.38	3.360e+04	-3.434e+04	-100.62
3	66	-92.00	-8684.08	505.76	-3546.37	2.816e+04	-1.579e+05	424.64
3	66	-50.00	-8455.96	155.16	-7309.35	2.078e+04	-4.551e+05	2369.87
3	67	-470.00	-1.428e+04	-2768.60	2.550e+04	-7.639e+04	-1.182e+06	268.26
3	67	-428.00	-1.402e+04	-2912.00	2.568e+04	-2.404e+04	-1.054e+05	-1258.75
3	67	-386.00	-1.330e+04	-2824.23	1.371e+04	1437.71	2.742e+05	-4024.45
3	67	-344.00	-1.330e+04	-2510.65	8513.49	-7.072e+04	3.528e+05	-5177.41
3	67	-302.00	-1.280e+04	-1639.11	5733.33	-9.660e+04	3.161e+05	3626.90
3	67	-250.00	-1.080e+04	-735.96	5570.53	1.187e+05	1.806e+05	4695.46
3	67	-218.00	-1.002e+04	-561.01	2455.21	1.253e+05	1.658e+05	1678.81
3	67	-176.00	-9589.11	-382.38	2537.38	9.702e+04	7.653e+04	323.04
3	67	-148.00	-9225.05	-292.36	44.45	7.226e+04	3.570e+04	-162.24
3	67	-134.00	-8980.20	-254.09	-1730.88	5.710e+04	7622.72	-274.28
3	67	-120.00	-8839.16	-253.41	-2422.69	4.622e+04	-3.560e+04	-250.27
3	67	-92.00	-8620.98	-331.44	-3511.19	2.194e+04	-1.587e+05	340.31
3	67	-50.00	-8359.25	-466.56	-7242.00	8143.39	-4.534e+05	2495.79
3	75	-470.00	-8989.90	-1404.30	2.512e+04	-2.041e+04	-1.159e+06	-551.87
3	75	-428.00	-8750.31	-1545.74	2.547e+04	3.758e+04	-9.651e+04	-1398.04
3	75	-386.00	-8054.80	-1519.67	1.361e+04	5.944e+04	2.771e+05	-4215.04
3	75	-344.00	-8118.17	-1316.48	8468.66	-3.393e+04	3.527e+05	-5143.56
3	75	-302.00	-7752.30	-553.01	5688.47	-6.877e+04	3.142e+05	4365.67
3	75	-250.00	-5722.43	213.91	5579.43	1.220e+05	1.773e+05	5244.20
3	75	-218.00	-5051.12	250.81	2516.02	1.219e+05	1.637e+05	2050.15
3	75	-176.00	-4706.65	304.21	2722.09	9.603e+04	7.934e+04	340.03
3	75	-148.00	-4395.31	269.88	385.67	7.616e+04	4.609e+04	-192.07
3	75	-134.00	-4187.64	227.91	-1280.91	6.834e+04	2.385e+04	-319.11
3	75	-120.00	-4090.99	171.31	-1845.41	6.119e+04	-1.216e+04	-307.70
3	75	-92.00	-4015.57	0.21	-2614.74	4.888e+04	-1.151e+05	312.60
3	75	-50.00	-3775.79	-259.43	-5876.81	4.376e+04	-3.627e+05	2647.07
3	76	-470.00	-1.495e+04	-1372.35	2.566e+04	-2.550e+04	-1.190e+06	-529.94
3	76	-428.00	-1.474e+04	-1516.24	2.579e+04	2.614e+04	-1.095e+05	-1387.49
3	76	-386.00	-1.406e+04	-1486.33	1.377e+04	4.136e+04	2.738e+05	-3977.84
3	76	-344.00	-1.407e+04	-1279.29	8535.17	-4.986e+04	3.537e+05	-4924.39
3	76	-302.00	-1.368e+04	-527.47	5745.00	-8.740e+04	3.177e+05	3862.17
3	76	-250.00	-1.167e+04	238.69	5571.70	9.297e+04	1.825e+05	4918.36
3	76	-218.00	-1.095e+04	283.75	2436.85	9.608e+04	1.673e+05	2035.54
3	76	-176.00	-1.055e+04	348.08	2486.30	7.228e+04	7.688e+04	466.16
3	76	-148.00	-1.022e+04	327.44	-48.29	5.167e+04	3.409e+04	-27.66
3	76	-134.00	-1.000e+04	295.51	-1854.08	4.290e+04	4467.57	-147.82
3	76	-120.00	-9897.90	250.80	-2581.18	3.459e+04	-4.067e+04	-142.38
3	76	-92.00	-9811.72	108.90	-3757.29	1.909e+04	-1.691e+05	399.94
3	76	-50.00	-9565.55	-129.76	-7625.37	7139.05	-4.771e+05	2379.27

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-2.062e+04	-3974.18	-1.027e+04	-1.185e+05	-1.553e+06	-6711.00
	-3769.01	1989.21	3.359e+04	1.584e+05	4.602e+05	6811.03

Macro	Tipo	Angolo 1-Z (gradi)
4	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
4	1	-470.00	-2333.80	-262.37	-2.675e+04	-2.964e+04	1.011e+06	-110.03
4	1	-428.00	-2193.54	-289.94	-2.876e+04	-3.411e+04	-1.549e+05	1974.21
4	1	-386.00	-862.69	-266.17	-1.396e+04	-4.629e+04	-4.860e+05	1818.43
4	1	-344.00	270.89	-176.76	-5468.49	-5.570e+04	-4.045e+05	1177.84
4	1	-302.00	575.36	-58.57	1388.62	-5.080e+04	-6.417e+04	334.30
4	1	-250.00	-2303.52	73.66	1578.23	-2.473e+04	6.341e+05	925.60
4	1	-218.00	-8550.02	-402.66	1592.07	-6773.22	6.894e+04	-1.011e+04
4	1	-213.64	-7985.33	-436.26	1337.02	-2.101e+04	7.317e+04	130.75

4	1	-205.00	-6978.16	-910.62	1878.79	-1.908e+04	7.592e+04	776.67
4	1	-176.00	-4461.07	-1095.00	-549.98	-1.274e+04	8.356e+04	5826.31
4	1	-173.99	-2721.12	-378.05	-588.96	-7.895e+04	7.995e+04	6830.41
4	1	-170.00	-2914.05	-796.04	-468.62	-3.749e+04	7.189e+04	5520.33
4	1	-148.00	-2052.71	-817.26	-1033.96	-3.148e+04	5.753e+04	-1888.90
4	1	-134.00	-1771.10	-753.91	-1198.88	-1.063e+04	4.197e+04	-857.77
4	1	-120.00	-1498.91	-714.15	-1379.25	-257.02	2.398e+04	-687.49
4	1	-92.00	-1157.82	-664.55	-1783.04	1.130e+04	-1.936e+04	-431.75
4	1	-50.00	-233.90	-647.01	-2839.23	1.683e+04	-1.118e+05	-135.62
4	3	-470.00	-2338.40	-262.38	-2.675e+04	-2.964e+04	1.011e+06	-109.99
4	3	-428.00	-2198.49	-289.95	-2.876e+04	-3.411e+04	-1.548e+05	1974.29
4	3	-386.00	-868.15	-266.17	-1.396e+04	-4.629e+04	-4.859e+05	1818.53
4	3	-344.00	264.84	-176.76	-5468.73	-5.571e+04	-4.045e+05	1177.95
4	3	-302.00	568.59	-58.57	1388.14	-5.081e+04	-6.418e+04	334.40
4	3	-250.00	-2311.76	73.66	1575.93	-2.474e+04	6.340e+05	925.66
4	3	-218.00	-8552.30	-402.65	1591.91	-6779.24	6.895e+04	-1.011e+04
4	3	-213.64	-7987.53	-436.27	1336.88	-2.101e+04	7.318e+04	130.79
4	3	-205.00	-6980.36	-910.64	1878.67	-1.908e+04	7.593e+04	776.82
4	3	-176.00	-4462.75	-1095.00	-550.06	-1.274e+04	8.357e+04	5826.50
4	3	-173.99	-2722.78	-378.04	-589.02	-7.895e+04	7.996e+04	6830.50
4	3	-170.00	-2915.61	-796.03	-468.69	-3.749e+04	7.189e+04	5520.44
4	3	-148.00	-2054.01	-817.26	-1033.99	-3.149e+04	5.754e+04	-1888.90
4	3	-134.00	-1772.24	-753.92	-1198.91	-1.063e+04	4.197e+04	-857.75
4	3	-120.00	-1499.90	-714.15	-1379.27	-259.73	2.398e+04	-687.46
4	3	-92.00	-1158.54	-664.56	-1783.06	1.130e+04	-1.936e+04	-431.72
4	3	-50.00	-234.33	-647.01	-2839.27	1.683e+04	-1.118e+05	-135.60
4	4	-470.00	-1.122e+04	-298.41	-2.749e+04	-3.099e+04	1.055e+06	-256.92
4	4	-428.00	-1.100e+04	-328.30	-2.918e+04	-3.307e+04	-1.353e+05	1670.57
4	4	-386.00	-9532.21	-307.31	-1.412e+04	-4.208e+04	-4.782e+05	1574.23
4	4	-344.00	-8209.52	-219.70	-5468.62	-4.854e+04	-4.001e+05	1007.57
4	4	-302.00	-7673.89	-101.64	1573.39	-4.310e+04	-5.620e+04	270.49
4	4	-250.00	-1.027e+04	41.62	2536.68	-2.475e+04	6.648e+05	1065.36
4	4	-218.00	-2.518e+04	-483.17	2039.89	-2.779e+04	4.715e+04	-9868.78
4	4	-213.64	-2.486e+04	-498.75	1755.42	-3.987e+04	5.343e+04	340.58
4	4	-205.00	-2.436e+04	-954.10	2287.46	-4.022e+04	5.972e+04	1133.90
4	4	-176.00	-2.254e+04	-1076.10	-224.98	6.973e+04	7.759e+04	6474.90
4	4	-173.99	-2.111e+04	-426.02	-258.68	7470.90	7.474e+04	7519.12
4	4	-170.00	-2.070e+04	-817.60	-159.51	4.254e+04	6.814e+04	6078.60
4	4	-148.00	-2.107e+04	-784.10	-690.21	-3.930e+04	6.076e+04	-1867.82
4	4	-134.00	-2.107e+04	-714.06	-799.14	-2.216e+04	5.041e+04	-814.52
4	4	-120.00	-2.121e+04	-667.95	-899.58	-1.137e+04	3.854e+04	-671.28
4	4	-92.00	-2.182e+04	-601.86	-1070.19	3469.67	1.135e+04	-471.86
4	4	-50.00	-2.207e+04	-589.40	-1704.72	8899.98	-4.322e+04	-136.51
4	12	-470.00	-7801.14	-98.20	-2.136e+04	1.152e+04	8.148e+05	26.60
4	12	-428.00	-7686.59	-120.60	-2.271e+04	6368.43	-9.665e+04	886.93
4	12	-386.00	-6918.88	-139.57	-1.099e+04	855.10	-3.698e+05	1134.77
4	12	-344.00	-6193.47	-233.10	-4287.51	2328.44	-3.132e+05	529.55
4	12	-302.00	-6102.87	-271.74	1119.00	1.172e+04	-5.190e+04	237.82
4	12	-250.00	-8422.51	-284.33	1702.38	2.118e+04	4.955e+05	602.32
4	12	-218.00	-1.569e+04	619.06	927.77	3.617e+04	5.777e+04	-7969.03
4	12	-213.64	-1.530e+04	656.64	852.11	1.235e+04	5.938e+04	149.07
4	12	-205.00	-1.487e+04	342.47	1360.76	2.075e+04	6.067e+04	828.83
4	12	-176.00	-1.336e+04	52.67	-441.37	7.799e+04	6.319e+04	4727.31
4	12	-173.99	-1.212e+04	503.40	-442.86	1.786e+04	6.016e+04	5356.26
4	12	-170.00	-1.190e+04	172.63	-332.98	4.937e+04	5.442e+04	4093.08
4	12	-148.00	-1.197e+04	314.95	-705.37	-2345.40	4.334e+04	-1418.06
4	12	-134.00	-1.192e+04	290.37	-764.27	9813.18	3.268e+04	-504.60
4	12	-120.00	-1.200e+04	274.92	-830.82	1.912e+04	2.152e+04	-353.47
4	12	-92.00	-1.224e+04	303.03	-970.89	2.097e+04	-3073.59	-181.60
4	12	-50.00	-1.218e+04	187.85	-1499.46	1.564e+04	-5.214e+04	59.65
4	13	-470.00	-6083.24	-319.35	-2.069e+04	-5.777e+04	7.935e+05	-360.45
4	13	-428.00	-5960.70	-341.75	-2.204e+04	-5.696e+04	-1.179e+05	1790.63
4	13	-386.00	-4622.14	-292.99	-1.070e+04	-6.522e+04	-3.687e+05	1431.84
4	13	-344.00	-3506.33	-103.89	-4167.66	-7.668e+04	-3.051e+05	1031.25
4	13	-302.00	-3007.25	90.78	1129.55	-7.681e+04	-4.154e+04	144.07
4	13	-250.00	-5071.67	286.31	1342.04	-5.575e+04	4.999e+05	903.38
4	13	-218.00	-1.561e+04	-1275.52	1971.01	-6.593e+04	2.647e+04	-7354.25
4	13	-213.64	-1.537e+04	-1344.15	1627.22	-6.240e+04	3.338e+04	250.42
4	13	-205.00	-1.480e+04	-1737.90	1943.86	-6.925e+04	3.988e+04	713.24
4	13	-176.00	-1.308e+04	-1667.80	-71.60	-5368.45	5.958e+04	4940.67
4	13	-173.99	-1.198e+04	-1088.42	-122.10	-4.333e+04	5.784e+04	5887.42
4	13	-170.00	-1.182e+04	-1376.43	-69.42	-1.841e+04	5.268e+04	5004.84
4	13	-148.00	-1.170e+04	-1487.77	-525.06	-5.271e+04	4.894e+04	-1484.67
4	13	-134.00	-1.159e+04	-1363.79	-658.52	-3.688e+04	4.114e+04	-787.80
4	13	-120.00	-1.151e+04	-1284.43	-783.30	-3.005e+04	3.108e+04	-705.63
4	13	-92.00	-1.170e+04	-1224.54	-1015.07	-1.075e+04	6112.39	-545.24
4	13	-50.00	-1.155e+04	-1097.55	-1665.12	2537.52	-4.684e+04	-261.80
4	17	-470.00	-6079.38	-590.14	-2.069e+04	-4.794e+04	7.935e+05	-724.92
4	17	-428.00	-5956.92	-612.54	-2.204e+04	-4.801e+04	-1.179e+05	704.35

4	17	-386.00	-4625.41	-548.05	-1.070e+04	-5.097e+04	-3.690e+05	1186.05
4	17	-344.00	-3508.04	-319.16	-4163.05	-4.938e+04	-3.050e+05	625.32
4	17	-302.00	-3011.20	-145.11	1129.27	-4.016e+04	-4.147e+04	135.13
4	17	-250.00	-5074.25	43.03	1338.12	-1.055e+04	5.000e+05	1082.66
4	17	-218.00	-1.573e+04	-772.01	1961.56	-3.843e+04	2.654e+04	-7510.63
4	17	-213.64	-1.547e+04	-820.49	1629.32	-3.714e+04	3.333e+04	171.99
4	17	-205.00	-1.494e+04	-1214.12	1934.69	-4.590e+04	3.996e+04	698.95
4	17	-176.00	-1.321e+04	-1228.02	-72.98	1.682e+04	5.947e+04	4990.89
4	17	-173.99	-1.209e+04	-663.09	-125.94	-2.511e+04	5.775e+04	5887.47
4	17	-170.00	-1.198e+04	-948.85	-69.57	2369.17	5.263e+04	4945.56
4	17	-148.00	-1.185e+04	-990.92	-519.87	-3.949e+04	4.887e+04	-1490.05
4	17	-134.00	-1.171e+04	-949.01	-656.65	-2.673e+04	4.112e+04	-761.70
4	17	-120.00	-1.165e+04	-862.76	-782.12	-1.921e+04	3.108e+04	-638.94
4	17	-92.00	-1.165e+04	-785.42	-1017.29	-8690.83	6134.29	-442.52
4	17	-50.00	-1.155e+04	-741.85	-1665.25	1718.88	-4.679e+04	9.23
4	25	-470.00	-6683.13	-1037.55	-2.092e+04	-1.195e+05	8.010e+05	-1523.24
4	25	-428.00	-6564.60	-1059.95	-2.228e+04	-1.128e+05	-1.104e+05	1465.04
4	25	-386.00	-5425.25	-924.74	-1.080e+04	-1.192e+05	-3.692e+05	1282.75
4	25	-344.00	-4444.98	-287.86	-4209.45	-1.232e+05	-3.079e+05	993.64
4	25	-302.00	-4093.43	114.35	1126.61	-1.197e+05	-4.519e+04	69.27
4	25	-250.00	-6220.76	565.41	1466.12	-7.200e+04	4.984e+05	1584.60
4	25	-218.00	-1.564e+04	-2696.81	1599.31	-1.243e+05	3.744e+04	-7485.13
4	25	-213.64	-1.538e+04	-2870.46	1351.97	-1.222e+05	4.243e+04	372.89
4	25	-205.00	-1.479e+04	-3326.67	1731.34	-1.280e+05	4.721e+04	999.63
4	25	-176.00	-1.318e+04	-3048.24	-206.03	-6.974e+04	6.082e+04	4718.34
4	25	-173.99	-1.205e+04	-2387.60	-231.56	-1.015e+05	5.860e+04	5665.21
4	25	-170.00	-1.184e+04	-2512.10	-161.83	-7.354e+04	5.329e+04	4743.94
4	25	-148.00	-1.178e+04	-2772.39	-588.33	-1.015e+05	4.695e+04	-1736.35
4	25	-134.00	-1.170e+04	-2578.93	-695.74	-8.245e+04	3.815e+04	-1106.44
4	25	-120.00	-1.169e+04	-2442.89	-800.03	-6.300e+04	2.771e+04	-994.56
4	25	-92.00	-1.190e+04	-2270.91	-999.69	-3.974e+04	2840.38	-857.53
4	25	-50.00	-1.177e+04	-2014.62	-1607.76	-1.508e+04	-4.872e+04	-357.65
4	44	-470.00	-7467.92	-140.00	-2.123e+04	-3747.05	8.107e+05	-58.27
4	44	-428.00	-7351.92	-162.40	-2.259e+04	-7572.85	-1.008e+05	1066.06
4	44	-386.00	-6472.86	-168.59	-1.093e+04	-1.346e+04	-3.696e+05	1182.42
4	44	-344.00	-5670.22	-201.20	-4263.98	-1.445e+04	-3.117e+05	639.77
4	44	-302.00	-5499.37	-190.46	1122.26	-6805.37	-4.991e+04	240.21
4	44	-250.00	-7768.38	-156.54	1633.62	5091.02	4.963e+05	682.94
4	44	-218.00	-1.568e+04	204.88	1132.51	1.429e+04	5.163e+04	-7845.88
4	44	-213.64	-1.531e+04	218.42	1004.09	-3980.02	5.428e+04	175.45
4	44	-205.00	-1.486e+04	-113.75	1475.05	1427.21	5.659e+04	817.91
4	44	-176.00	-1.331e+04	-326.90	-368.78	5.973e+04	6.249e+04	4770.59
4	44	-173.99	-1.209e+04	151.73	-379.82	4299.50	5.971e+04	5462.31
4	44	-170.00	-1.189e+04	-166.82	-281.22	3.454e+04	5.408e+04	4274.61
4	44	-148.00	-1.192e+04	-78.91	-669.97	-1.363e+04	4.444e+04	-1433.51
4	44	-134.00	-1.186e+04	-72.42	-743.52	-671.67	3.434e+04	-565.11
4	44	-120.00	-1.191e+04	-67.27	-821.54	8579.14	2.339e+04	-427.68
4	44	-92.00	-1.215e+04	-30.17	-979.45	1.406e+04	-1273.12	-258.56
4	44	-50.00	-1.206e+04	-92.32	-1532.07	1.271e+04	-5.111e+04	-4.88
4	49	-470.00	-6413.42	-453.90	-2.081e+04	-3.681e+04	7.976e+05	-488.60
4	49	-428.00	-6292.40	-476.30	-2.217e+04	-3.784e+04	-1.138e+05	953.41
4	49	-386.00	-5069.23	-428.09	-1.076e+04	-4.313e+04	-3.691e+05	1225.89
4	49	-344.00	-4029.86	-259.57	-4188.34	-4.497e+04	-3.066e+05	708.87
4	49	-302.00	-3613.61	-117.68	1126.15	-3.830e+04	-4.348e+04	175.30
4	49	-250.00	-5726.52	40.47	1407.96	-1.415e+04	4.992e+05	961.71
4	49	-218.00	-1.570e+04	-572.65	1760.93	-2.892e+04	3.264e+04	-7564.89
4	49	-213.64	-1.542e+04	-606.42	1476.59	-3.213e+04	3.845e+04	189.57
4	49	-205.00	-1.490e+04	-983.07	1824.23	-3.708e+04	4.400e+04	738.78
4	49	-176.00	-1.321e+04	-1039.74	-144.82	2.500e+04	6.022e+04	4936.53
4	49	-173.99	-1.207e+04	-495.66	-187.28	-1.979e+04	5.823e+04	5788.22
4	49	-170.00	-1.194e+04	-792.78	-121.17	8130.24	5.299e+04	4791.63
4	49	-148.00	-1.185e+04	-810.40	-557.25	-3.438e+04	4.781e+04	-1464.16
4	49	-134.00	-1.173e+04	-766.64	-678.11	-2.112e+04	3.947e+04	-702.53
4	49	-120.00	-1.169e+04	-702.99	-791.87	-1.352e+04	2.921e+04	-582.17
4	49	-92.00	-1.177e+04	-639.85	-1007.89	-3106.29	4327.82	-396.96
4	49	-50.00	-1.167e+04	-612.43	-1632.66	4714.16	-4.784e+04	-32.59
4	53	-470.00	-6413.62	-437.38	-2.081e+04	-3.645e+04	7.976e+05	-495.86
4	53	-428.00	-6292.60	-459.78	-2.217e+04	-3.749e+04	-1.138e+05	924.18
4	53	-386.00	-5069.40	-413.97	-1.076e+04	-4.176e+04	-3.691e+05	1232.71
4	53	-344.00	-4029.85	-270.21	-4188.30	-4.261e+04	-3.066e+05	653.24
4	53	-302.00	-3611.47	-143.91	1126.13	-3.506e+04	-4.348e+04	128.65
4	53	-250.00	-5726.70	-5.88	1408.47	-1.167e+04	4.992e+05	914.02
4	53	-218.00	-1.570e+04	-546.96	1760.80	-2.648e+04	3.264e+04	-7576.33
4	53	-213.64	-1.542e+04	-578.45	1476.67	-2.997e+04	3.844e+04	170.12
4	53	-205.00	-1.490e+04	-953.61	1824.10	-3.500e+04	4.400e+04	703.69
4	53	-176.00	-1.321e+04	-1012.24	-144.96	2.709e+04	6.022e+04	4924.98
4	53	-173.99	-1.207e+04	-469.85	-187.42	-1.805e+04	5.824e+04	5779.39
4	53	-170.00	-1.194e+04	-769.36	-121.21	9708.18	5.299e+04	4786.39
4	53	-148.00	-1.185e+04	-782.75	-557.25	-3.290e+04	4.781e+04	-1475.36

4	53	-134.00	-1.172e+04	-741.28	-678.10	-1.981e+04	3.947e+04	-714.79
4	53	-120.00	-1.169e+04	-679.62	-791.86	-1.247e+04	2.921e+04	-594.81
4	53	-92.00	-1.177e+04	-619.57	-1007.85	-2318.31	4328.10	-410.51
4	53	-50.00	-1.167e+04	-597.45	-1632.61	5084.68	-4.784e+04	-30.83
4	57	-470.00	-6783.80	-741.83	-2.096e+04	-7.666e+04	8.022e+05	-944.45
4	57	-428.00	-6665.13	-764.23	-2.231e+04	-7.393e+04	-1.092e+05	1427.51
4	57	-386.00	-5559.48	-669.52	-1.082e+04	-8.242e+04	-3.692e+05	1301.49
4	57	-344.00	-4603.21	-246.87	-4216.61	-8.874e+04	-3.084e+05	945.71
4	57	-302.00	-4274.92	35.88	1125.33	-8.658e+04	-4.577e+04	129.75
4	57	-250.00	-6426.35	355.79	1487.34	-5.135e+04	4.981e+05	1251.50
4	57	-218.00	-1.565e+04	-1664.07	1540.61	-7.827e+04	3.927e+04	-7544.29
4	57	-213.64	-1.536e+04	-1767.98	1307.82	-8.129e+04	4.398e+04	312.53
4	57	-205.00	-1.481e+04	-2178.63	1700.69	-8.436e+04	4.840e+04	922.03
4	57	-176.00	-1.319e+04	-2070.72	-225.62	-2.489e+04	6.104e+04	4776.00
4	57	-173.99	-1.205e+04	-1473.38	-251.58	-6.399e+04	5.875e+04	5655.39
4	57	-170.00	-1.185e+04	-1679.40	-177.29	-3.580e+04	5.339e+04	4666.61
4	57	-148.00	-1.180e+04	-1820.52	-598.89	-7.028e+04	4.663e+04	-1599.31
4	57	-134.00	-1.172e+04	-1688.68	-701.87	-5.315e+04	3.766e+04	-890.48
4	57	-120.00	-1.171e+04	-1597.61	-802.77	-3.861e+04	2.715e+04	-775.71
4	57	-92.00	-1.193e+04	-1481.31	-997.09	-2.083e+04	2324.55	-625.29
4	57	-50.00	-1.181e+04	-1332.97	-1597.75	-4970.38	-4.902e+04	-255.25
4	73	-470.00	-2202.92	-202.10	-2.063e+04	-2.274e+04	7.808e+05	-81.02
4	73	-428.00	-2124.95	-223.26	-2.216e+04	-2.617e+04	-1.177e+05	1525.84
4	73	-386.00	-1146.59	-204.97	-1.076e+04	-3.557e+04	-3.734e+05	1407.55
4	73	-344.00	-326.98	-136.18	-4227.54	-4.294e+04	-3.115e+05	916.13
4	73	-302.00	-157.06	-45.24	1025.75	-3.935e+04	-5.097e+04	265.53
4	73	-250.00	-2500.80	56.53	1010.59	-1.944e+04	4.813e+05	716.81
4	73	-218.00	-6778.46	-309.09	1210.68	-5742.92	5.374e+04	-7779.76
4	73	-213.64	-6337.06	-336.16	1016.37	-1.680e+04	5.692e+04	104.62
4	73	-205.00	-5562.58	-701.51	1434.45	-1.475e+04	5.892e+04	610.31
4	73	-176.00	-3580.87	-842.47	-429.71	-9452.21	6.457e+04	4498.16
4	73	-173.99	-2239.73	-290.14	-458.52	-6.031e+04	6.178e+04	5262.40
4	73	-170.00	-2379.42	-611.39	-366.03	-2.856e+04	5.555e+04	4255.99
4	73	-148.00	-1693.99	-628.69	-798.56	-2.462e+04	4.442e+04	-1452.36
4	73	-134.00	-1463.29	-580.28	-924.60	-8497.98	3.241e+04	-658.09
4	73	-120.00	-1240.50	-549.79	-1062.90	-437.36	1.853e+04	-526.72
4	73	-92.00	-954.11	-511.65	-1373.20	8601.96	-1.486e+04	-329.68
4	73	-50.00	-217.55	-498.12	-2187.39	1.297e+04	-8.610e+04	-102.02
4	75	-470.00	-2206.00	-202.10	-2.063e+04	-2.274e+04	7.808e+05	-81.00
4	75	-428.00	-2128.25	-223.26	-2.216e+04	-2.617e+04	-1.177e+05	1525.90
4	75	-386.00	-1150.23	-204.98	-1.076e+04	-3.557e+04	-3.734e+05	1407.62
4	75	-344.00	-331.01	-136.18	-4227.70	-4.294e+04	-3.115e+05	916.20
4	75	-302.00	-161.58	-45.25	1025.43	-3.936e+04	-5.098e+04	265.59
4	75	-250.00	-2506.29	56.53	1009.06	-1.944e+04	4.812e+05	716.84
4	75	-218.00	-6779.98	-309.08	1210.57	-5746.93	5.374e+04	-7779.78
4	75	-213.64	-6338.52	-336.17	1016.27	-1.681e+04	5.692e+04	104.65
4	75	-205.00	-5564.05	-701.52	1434.37	-1.475e+04	5.892e+04	610.41
4	75	-176.00	-3581.99	-842.48	-429.76	-9449.56	6.458e+04	4498.29
4	75	-173.99	-2240.83	-290.13	-458.56	-6.031e+04	6.178e+04	5262.46
4	75	-170.00	-2380.46	-611.38	-366.07	-2.856e+04	5.555e+04	4256.06
4	75	-148.00	-1694.85	-628.69	-798.59	-2.462e+04	4.442e+04	-1452.36
4	75	-134.00	-1464.05	-580.28	-924.62	-8500.41	3.241e+04	-658.08
4	75	-120.00	-1241.16	-549.79	-1062.91	-439.16	1.853e+04	-526.70
4	75	-92.00	-954.58	-511.65	-1373.21	8601.30	-1.486e+04	-329.66
4	75	-50.00	-217.83	-498.12	-2187.42	1.297e+04	-8.610e+04	-102.00
4	76	-470.00	-8126.77	-226.12	-2.112e+04	-2.364e+04	8.100e+05	-178.95
4	76	-428.00	-7998.08	-248.83	-2.243e+04	-2.547e+04	-1.046e+05	1323.41
4	76	-386.00	-6926.27	-232.41	-1.087e+04	-3.277e+04	-3.682e+05	1244.75
4	76	-344.00	-5980.59	-164.81	-4227.62	-3.817e+04	-3.086e+05	802.61
4	76	-302.00	-5656.57	-73.96	1148.93	-3.422e+04	-4.566e+04	222.99
4	76	-250.00	-7808.59	35.17	1649.56	-1.946e+04	5.018e+05	809.98
4	76	-218.00	-1.787e+04	-362.76	1509.22	-1.975e+04	3.922e+04	-7619.62
4	76	-213.64	-1.758e+04	-377.83	1295.30	-2.938e+04	4.375e+04	244.52
4	76	-205.00	-1.715e+04	-730.49	1706.90	-2.884e+04	4.811e+04	848.47
4	76	-176.00	-1.563e+04	-829.88	-213.04	4.553e+04	6.059e+04	4930.56
4	76	-173.99	-1.450e+04	-322.12	-238.34	-2694.15	5.830e+04	5721.54
4	76	-170.00	-1.424e+04	-625.76	-159.95	2.479e+04	5.305e+04	4628.17
4	76	-148.00	-1.437e+04	-606.58	-569.40	-2.983e+04	4.658e+04	-1438.31
4	76	-134.00	-1.433e+04	-553.71	-658.10	-1.619e+04	3.803e+04	-629.26
4	76	-120.00	-1.438e+04	-518.98	-743.12	-7848.07	2.824e+04	-515.91
4	76	-92.00	-1.473e+04	-469.85	-897.96	3384.14	5613.31	-356.42
4	76	-50.00	-1.478e+04	-459.71	-1431.05	7689.12	-4.034e+04	-102.61

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.518e+04	-3326.67	-2.918e+04	-1.280e+05	-4.860e+05	-1.011e+04
	575.36	656.64	2536.68	7.799e+04	1.055e+06	7519.12

Macro	Tipo	Angolo 1-Z (gradi)
5	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	1	-470.00	-8947.39	379.82	-2.743e+04	37.28	1.225e+06	-2703.51
5	1	-428.00	-9088.63	1061.56	-2.803e+04	4.558e+04	6.045e+04	-5300.29
5	1	-386.00	-8289.70	1294.25	-1.430e+04	5.814e+04	-2.929e+05	251.60
5	1	-345.00	-6518.71	327.89	-7709.48	-6.805e+04	-3.051e+05	7.931e+04
5	1	-344.00	-4068.08	265.41	-3830.09	-1.849e+05	-2.956e+05	2.359e+05
5	1	-302.00	-5905.62	-964.27	-6161.00	4.393e+04	-2.557e+05	-8.837e+04
5	1	-295.00	-3704.56	-1273.13	7395.70	-2.597e+04	-2.154e+05	-7.742e+04
5	1	-250.00	-3809.12	-884.83	-6612.83	3.035e+05	-1.364e+05	2.227e+04
5	1	-218.00	-1.080e+04	5984.56	-1.152e+04	4.534e+04	-1.432e+05	-1.384e+04
5	1	-205.00	-1.059e+04	4552.73	2677.07	4.358e+04	-1.333e+05	-1.338e+04
5	1	-176.00	-1.178e+04	2840.48	-7633.21	7.517e+04	-1.393e+05	-1.276e+04
5	1	-170.00	-1.070e+04	2644.88	4484.48	7.397e+04	-1.581e+05	-1.207e+04
5	1	-148.00	-1.076e+04	1850.80	-2531.21	9.797e+04	-1.160e+05	-1.560e+04
5	1	-134.00	-1.000e+04	1546.08	595.27	1493.60	-9.621e+04	-3111.71
5	1	-120.00	-9490.81	1330.15	1321.15	-3789.72	-5.492e+04	9989.46
5	1	-92.00	-8622.03	1206.37	2211.90	6.455e+04	7.797e+04	-9124.14
5	1	-50.00	-7266.34	1689.10	8273.49	7.019e+04	4.413e+05	-6471.60
5	3	-470.00	-8949.38	377.52	-2.743e+04	-23.15	1.225e+06	-2703.63
5	3	-428.00	-9090.59	1059.12	-2.803e+04	4.546e+04	6.045e+04	-5300.69
5	3	-386.00	-8291.57	1291.75	-1.430e+04	5.798e+04	-2.929e+05	251.38
5	3	-345.00	-6520.42	325.43	-7709.46	-6.824e+04	-3.051e+05	7.931e+04
5	3	-344.00	-4069.76	263.06	-3830.07	-1.851e+05	-2.956e+05	2.359e+05
5	3	-302.00	-5907.13	-966.65	-6160.97	4.373e+04	-2.557e+05	-8.837e+04
5	3	-295.00	-3706.04	-1275.40	7395.70	-2.617e+04	-2.154e+05	-7.742e+04
5	3	-250.00	-3809.96	-886.25	-6612.86	3.033e+05	-1.364e+05	2.227e+04
5	3	-218.00	-1.080e+04	5984.63	-1.152e+04	4.534e+04	-1.432e+05	-1.384e+04
5	3	-205.00	-1.059e+04	4552.74	2677.11	4.358e+04	-1.333e+05	-1.338e+04
5	3	-176.00	-1.179e+04	2840.50	-7633.18	7.516e+04	-1.393e+05	-1.276e+04
5	3	-170.00	-1.070e+04	2644.90	4484.50	7.396e+04	-1.581e+05	-1.207e+04
5	3	-148.00	-1.076e+04	1850.83	-2531.20	9.796e+04	-1.160e+05	-1.560e+04
5	3	-134.00	-1.000e+04	1546.11	595.27	1490.52	-9.621e+04	-3111.29
5	3	-120.00	-9490.86	1330.17	1321.14	-3788.33	-5.492e+04	9989.93
5	3	-92.00	-8621.99	1206.39	2211.89	6.455e+04	7.797e+04	-9124.04
5	3	-50.00	-7266.21	1689.15	8273.43	7.019e+04	4.413e+05	-6471.55
5	4	-470.00	-1.691e+04	340.37	-2.826e+04	-1.214e+04	1.271e+06	-2524.95
5	4	-428.00	-1.705e+04	1029.78	-2.852e+04	1.988e+04	7.886e+04	-5161.23
5	4	-386.00	-1.629e+04	1270.95	-1.453e+04	1.503e+04	-2.891e+05	242.50
5	4	-345.00	-1.457e+04	290.63	-7825.60	-1.238e+05	-3.081e+05	7.873e+04
5	4	-344.00	-1.228e+04	164.81	-3941.57	-1.120e+05	-2.985e+05	2.343e+05
5	4	-302.00	-1.421e+04	-1086.69	-6236.51	9.957e+04	-2.625e+05	-8.821e+04
5	4	-295.00	-1.164e+04	-1436.94	7347.29	-9415.87	-2.223e+05	-7.783e+04
5	4	-250.00	-1.204e+04	-1370.77	-6617.84	1.897e+05	-1.453e+05	2.371e+04
5	4	-218.00	-2.302e+04	5785.24	-1.153e+04	2.438e+05	-1.412e+05	-1.267e+04
5	4	-205.00	-2.262e+04	4471.35	2755.09	2.524e+05	-1.302e+05	-1.294e+04
5	4	-176.00	-2.340e+04	2811.35	-7347.51	3.059e+05	-1.325e+05	-1.285e+04
5	4	-170.00	-2.225e+04	2633.18	4848.61	3.043e+05	-1.481e+05	-1.223e+04
5	4	-148.00	-2.209e+04	1870.68	-1861.43	3.306e+05	-9.571e+04	-1.473e+04
5	4	-134.00	-2.118e+04	1589.80	1568.22	1.211e+05	-6.373e+04	-2484.09
5	4	-120.00	-2.049e+04	1395.77	2658.29	1.202e+05	-6366.15	8734.75
5	4	-92.00	-1.921e+04	1285.30	4471.22	3.095e+05	1.749e+05	-8369.35
5	4	-50.00	-1.734e+04	1710.54	1.187e+04	3.249e+05	6.606e+05	-4619.49
5	5	-470.00	-7287.93	-175.36	-2.113e+04	-1.226e+04	9.440e+05	-2103.98
5	5	-428.00	-7390.85	321.38	-2.158e+04	1.171e+04	4.724e+04	-4160.15
5	5	-386.00	-6758.23	487.64	-1.100e+04	1.287e+04	-2.250e+05	148.66
5	5	-345.00	-5362.58	-250.11	-5928.04	-9.254e+04	-2.343e+05	6.096e+04
5	5	-344.00	-3470.71	-272.94	-2943.12	-1.777e+05	-2.270e+05	1.814e+05
5	5	-302.00	-4849.26	-1224.10	-4733.86	-7308.46	-1.961e+05	-6.793e+04
5	5	-295.00	-3152.31	-1439.91	5690.71	-6.214e+04	-1.651e+05	-5.952e+04
5	5	-250.00	-3100.58	-969.44	-5093.08	1.902e+05	-1.044e+05	1.719e+04
5	5	-218.00	-8349.81	4616.79	-8856.82	3.524e+04	-1.107e+05	-1.063e+04
5	5	-205.00	-8180.19	3504.20	2068.22	3.350e+04	-1.029e+05	-1.024e+04
5	5	-176.00	-9112.44	2189.16	-5865.93	5.620e+04	-1.073e+05	-9757.06
5	5	-170.00	-8268.31	2038.20	3454.26	5.538e+04	-1.218e+05	-9238.57
5	5	-148.00	-8312.42	1428.44	-1945.04	7.403e+04	-8.933e+04	-1.196e+04
5	5	-134.00	-7716.14	1194.13	458.73	524.39	-7.408e+04	-2309.06
5	5	-120.00	-7311.63	1027.28	1016.03	-2630.19	-4.232e+04	7781.55
5	5	-92.00	-6623.79	930.98	1698.31	5.056e+04	5.986e+04	-6998.97
5	5	-50.00	-5564.15	1307.78	6350.71	5.448e+04	3.391e+05	-4968.31
5	18	-470.00	-9034.25	1179.12	-2.150e+04	-4.778e+04	9.621e+05	-754.51
5	18	-428.00	-9336.27	1695.59	-2.177e+04	-2.627e+04	5.109e+04	-3119.67
5	18	-386.00	-8793.06	1808.28	-1.109e+04	6031.68	-2.262e+05	787.20

5	18	-345.00	-7692.74	895.76	-5956.29	-8.133e+04	-2.374e+05	6.128e+04
5	18	-344.00	-5749.19	740.56	-2980.07	-1.424e+05	-2.297e+05	1.810e+05
5	18	-302.00	-7258.09	-327.10	-4749.85	3.438e+04	-2.000e+05	-6.734e+04
5	18	-295.00	-5611.97	-801.38	5701.55	2.104e+04	-1.676e+05	-5.929e+04
5	18	-250.00	-5837.47	-530.45	-5051.71	2.021e+05	-1.075e+05	1.831e+04
5	18	-218.00	-1.350e+04	7482.13	-9049.70	-7.126e+04	-1.011e+05	-9300.62
5	18	-205.00	-1.355e+04	6340.61	2003.44	-1.496e+04	-9.831e+04	-9347.97
5	18	-176.00	-1.413e+04	5058.31	-5818.16	2.328e+04	-1.010e+05	-9295.98
5	18	-170.00	-1.369e+04	4640.90	3591.28	5.937e+04	-1.166e+05	-9065.27
5	18	-148.00	-1.356e+04	4046.33	-1643.53	8.176e+04	-7.878e+04	-1.129e+04
5	18	-134.00	-1.306e+04	3655.25	938.76	-3.241e+04	-5.802e+04	-2036.60
5	18	-120.00	-1.266e+04	3360.48	1697.68	-1.736e+04	-1.813e+04	6989.93
5	18	-92.00	-1.193e+04	3040.09	2880.71	1.041e+05	1.090e+05	-6552.09
5	18	-50.00	-1.080e+04	3004.60	8251.38	1.368e+05	4.530e+05	-3433.89
5	21	-470.00	-1.022e+04	1698.32	-2.133e+04	-4.826e+04	9.574e+05	-1113.84
5	21	-428.00	-1.044e+04	2214.80	-2.161e+04	-2.879e+04	4.639e+04	-3632.12
5	21	-386.00	-9823.42	2277.57	-1.103e+04	3420.43	-2.263e+05	254.02
5	21	-345.00	-8598.08	1352.88	-5944.29	-9.049e+04	-2.356e+05	6.066e+04
5	21	-344.00	-6598.10	1072.56	-2969.54	-1.455e+05	-2.281e+05	1.798e+05
5	21	-302.00	-8032.61	96.03	-4749.53	2.359e+04	-1.982e+05	-6.825e+04
5	21	-295.00	-6201.27	-563.77	5691.60	-2033.47	-1.667e+05	-6.008e+04
5	21	-250.00	-6519.33	-184.53	-5058.70	1.783e+05	-1.063e+05	1.793e+04
5	21	-218.00	-1.464e+04	8030.61	-8964.44	-1.559e+05	-1.018e+05	-9285.82
5	21	-205.00	-1.448e+04	6810.31	2033.25	-8.664e+04	-9.706e+04	-9313.86
5	21	-176.00	-1.504e+04	5529.22	-5788.36	-4.556e+04	-9.968e+04	-9257.70
5	21	-170.00	-1.435e+04	5102.97	3596.11	2672.90	-1.142e+05	-9013.19
5	21	-148.00	-1.420e+04	4508.11	-1638.70	2.561e+04	-7.640e+04	-1.122e+04
5	21	-134.00	-1.357e+04	4073.61	935.66	-8.721e+04	-5.547e+04	-1867.23
5	21	-120.00	-1.306e+04	3771.13	1685.86	-6.642e+04	-1.562e+04	7094.35
5	21	-92.00	-1.218e+04	3466.17	2848.43	6.552e+04	1.111e+05	-6349.95
5	21	-50.00	-1.087e+04	3408.61	8174.37	1.140e+05	4.527e+05	-3273.56
5	31	-470.00	-1.380e+04	490.49	-2.131e+04	-2231.96	9.621e+05	-2844.69
5	31	-428.00	-1.372e+04	1006.97	-2.159e+04	1.840e+04	5.117e+04	-4974.59
5	31	-386.00	-1.300e+04	1096.56	-1.104e+04	2829.05	-2.221e+05	-690.23
5	31	-345.00	-1.144e+04	379.62	-5982.28	-1.155e+05	-2.330e+05	5.961e+04
5	31	-344.00	-9601.34	155.18	-2995.19	-1.113e+05	-2.259e+05	1.786e+05
5	31	-302.00	-1.088e+04	-690.33	-4785.10	3.013e+04	-1.973e+05	-6.938e+04
5	31	-295.00	-8711.63	-1115.26	5631.73	-7.397e+04	-1.683e+05	-6.111e+04
5	31	-250.00	-8996.57	-783.94	-5123.39	1.052e+05	-1.081e+05	1.731e+04
5	31	-218.00	-1.705e+04	4283.39	-8684.84	8.267e+04	-1.134e+05	-1.013e+04
5	31	-205.00	-1.638e+04	3161.39	2185.31	9.407e+04	-1.001e+05	-1.013e+04
5	31	-176.00	-1.709e+04	1872.70	-5636.29	1.329e+05	-1.025e+05	-9875.07
5	31	-170.00	-1.564e+04	1780.25	3672.69	1.358e+05	-1.127e+05	-9233.78
5	31	-148.00	-1.557e+04	1185.66	-1562.11	1.557e+05	-7.473e+04	-1.134e+04
5	31	-134.00	-1.465e+04	914.56	985.88	2.112e+04	-5.239e+04	-1693.03
5	31	-120.00	-1.396e+04	793.18	1722.39	1.854e+04	-1.196e+04	7286.24
5	31	-92.00	-1.279e+04	812.11	2863.11	1.532e+05	1.157e+05	-6289.75
5	31	-50.00	-1.110e+04	1261.05	8166.43	1.766e+05	4.568e+05	-3877.66
5	36	-470.00	-9782.29	-1166.54	-2.188e+04	-324.19	9.779e+05	-1525.20
5	36	-428.00	-1.000e+04	-650.07	-2.215e+04	2.571e+04	6.669e+04	-3182.33
5	36	-386.00	-9505.81	-403.22	-1.125e+04	1.370e+04	-2.217e+05	1165.88
5	36	-345.00	-8397.20	-1079.26	-6021.49	-7.738e+04	-2.387e+05	6.175e+04
5	36	-344.00	-6700.67	-901.64	-3029.70	-9.759e+04	-2.313e+05	1.827e+05
5	36	-302.00	-8225.15	-2052.31	-4785.62	7.082e+04	-2.033e+05	-6.627e+04
5	36	-295.00	-6698.41	-1868.33	5667.31	1.617e+04	-1.711e+05	-5.845e+04
5	36	-250.00	-6736.66	-1893.54	-5097.75	1.999e+05	-1.123e+05	1.857e+04
5	36	-218.00	-1.315e+04	2592.11	-8984.73	3.679e+05	-1.106e+05	-1.028e+04
5	36	-205.00	-1.320e+04	1717.07	2077.16	3.384e+05	-1.043e+05	-1.033e+04
5	36	-176.00	-1.396e+04	425.34	-5744.44	3.680e+05	-1.068e+05	-1.011e+04
5	36	-170.00	-1.341e+04	336.74	3652.91	3.276e+05	-1.208e+05	-9505.94
5	36	-148.00	-1.336e+04	-257.09	-1581.90	3.457e+05	-8.281e+04	-1.167e+04
5	36	-134.00	-1.292e+04	-399.95	995.01	2.073e+05	-6.102e+04	-2394.11
5	36	-120.00	-1.254e+04	-507.06	1761.37	1.850e+05	-2.044e+04	6790.35
5	36	-92.00	-1.189e+04	-557.08	2971.89	2.840e+05	1.085e+05	-7107.44
5	36	-50.00	-1.082e+04	-63.81	8423.24	2.537e+05	4.578e+05	-4527.91
5	50	-470.00	-9955.74	766.58	-2.152e+04	-3.364e+04	9.644e+05	-1251.64
5	50	-428.00	-1.018e+04	1283.05	-2.180e+04	-1.163e+04	5.330e+04	-3490.92
5	50	-386.00	-9606.71	1418.23	-1.110e+04	6948.86	-2.250e+05	527.32
5	50	-345.00	-8406.03	565.88	-5969.99	-8.837e+04	-2.369e+05	6.102e+04
5	50	-344.00	-6513.71	438.52	-2989.65	-1.331e+05	-2.294e+05	1.808e+05
5	50	-302.00	-7994.91	-585.66	-4760.33	3.866e+04	-2.000e+05	-6.757e+04
5	50	-295.00	-6250.66	-977.57	5686.71	1172.23	-1.682e+05	-5.949e+04
5	50	-250.00	-6460.78	-731.40	-5067.67	1.834e+05	-1.083e+05	1.815e+04
5	50	-218.00	-1.405e+04	6325.89	-8976.41	9453.77	-1.044e+05	-9586.10
5	50	-205.00	-1.398e+04	5224.28	2043.63	4.542e+04	-9.937e+04	-9618.02
5	50	-176.00	-1.460e+04	3939.80	-5777.98	8.264e+04	-1.020e+05	-9508.71
5	50	-170.00	-1.399e+04	3629.99	3613.16	1.046e+05	-1.165e+05	-9171.17
5	50	-148.00	-1.387e+04	3035.82	-1621.65	1.261e+05	-7.860e+04	-1.137e+04
5	50	-134.00	-1.331e+04	2711.08	954.04	4223.86	-5.746e+04	-2021.02

5	50	-120.00	-1.287e+04	2470.66	1710.17	1.327e+04	-1.739e+04	7026.14
5	50	-92.00	-1.207e+04	2240.67	2889.82	1.334e+05	1.101e+05	-6568.48
5	50	-50.00	-1.086e+04	2351.77	8259.45	1.572e+05	4.543e+05	-3640.21
5	53	-470.00	-1.061e+04	1060.58	-2.142e+04	-3.393e+04	9.614e+05	-1443.71
5	53	-428.00	-1.079e+04	1577.06	-2.169e+04	-1.303e+04	5.038e+04	-3762.43
5	53	-386.00	-1.018e+04	1681.96	-1.106e+04	5415.75	-2.250e+05	245.62
5	53	-345.00	-8913.22	822.32	-5962.73	-9.390e+04	-2.358e+05	6.069e+04
5	53	-344.00	-6990.83	625.63	-2983.27	-1.351e+05	-2.283e+05	1.801e+05
5	53	-302.00	-8432.39	-348.20	-4760.55	3.215e+04	-1.989e+05	-6.807e+04
5	53	-295.00	-6587.38	-845.48	5680.80	-1.233e+04	-1.676e+05	-5.993e+04
5	53	-250.00	-6846.97	-539.01	-5071.88	1.693e+05	-1.075e+05	1.794e+04
5	53	-218.00	-1.469e+04	6629.54	-8925.01	-3.838e+04	-1.048e+05	-9559.77
5	53	-205.00	-1.449e+04	5478.28	2060.87	5245.60	-9.866e+04	-9589.78
5	53	-176.00	-1.511e+04	4194.57	-5760.73	4.399e+04	-1.012e+05	-9479.55
5	53	-170.00	-1.435e+04	3880.96	3615.02	7.268e+04	-1.151e+05	-9138.97
5	53	-148.00	-1.424e+04	3286.64	-1619.79	9.439e+04	-7.725e+04	-1.133e+04
5	53	-134.00	-1.359e+04	2936.53	951.59	-2.686e+04	-5.602e+04	-1926.48
5	53	-120.00	-1.309e+04	2692.44	1702.70	-1.478e+04	-1.597e+04	7080.41
5	53	-92.00	-1.221e+04	2472.93	2870.89	1.110e+05	1.113e+05	-6450.08
5	53	-50.00	-1.090e+04	2573.52	8215.05	1.437e+05	4.540e+05	-3547.37
5	63	-470.00	-1.271e+04	290.84	-2.140e+04	-6008.84	9.642e+05	-2468.18
5	63	-428.00	-1.272e+04	807.31	-2.168e+04	1.578e+04	5.319e+04	-4544.94
5	63	-386.00	-1.206e+04	932.43	-1.107e+04	4767.47	-2.225e+05	-286.53
5	63	-345.00	-1.059e+04	204.52	-5985.84	-1.092e+05	-2.341e+05	6.010e+04
5	63	-344.00	-8774.11	50.96	-2998.74	-1.144e+05	-2.270e+05	1.795e+05
5	63	-302.00	-1.013e+04	-846.25	-4782.69	3.624e+04	-1.983e+05	-6.870e+04
5	63	-295.00	-8087.37	-1192.60	5644.78	-5.571e+04	-1.686e+05	-6.051e+04
5	63	-250.00	-8318.22	-920.37	-5110.82	1.248e+05	-1.086e+05	1.757e+04
5	63	-218.00	-1.609e+04	4329.06	-8756.56	1.119e+05	-1.118e+05	-1.005e+04
5	63	-205.00	-1.560e+04	3233.49	2151.90	1.199e+05	-1.006e+05	-1.009e+04
5	63	-176.00	-1.631e+04	1945.01	-5669.70	1.570e+05	-1.030e+05	-9861.66
5	63	-170.00	-1.510e+04	1836.10	3660.30	1.570e+05	-1.143e+05	-9291.50
5	63	-148.00	-1.503e+04	1241.98	-1574.50	1.766e+05	-7.635e+04	-1.143e+04
5	63	-134.00	-1.423e+04	991.04	981.55	4.191e+04	-5.427e+04	-1849.94
5	63	-120.00	-1.362e+04	858.70	1724.65	3.899e+04	-1.388e+04	7168.51
5	63	-92.00	-1.256e+04	837.37	2880.70	1.657e+05	1.140e+05	-6430.16
5	63	-50.00	-1.103e+04	1250.43	8212.98	1.823e+05	4.565e+05	-3936.34
5	68	-470.00	-1.049e+04	-644.88	-2.176e+04	-4853.15	9.740e+05	-1753.15
5	68	-428.00	-1.065e+04	-128.41	-2.203e+04	1.975e+04	6.285e+04	-3588.05
5	68	-386.00	-1.010e+04	91.92	-1.120e+04	1.119e+04	-2.223e+05	700.98
5	68	-345.00	-8886.30	-611.68	-6009.54	-8.618e+04	-2.378e+05	6.125e+04
5	68	-344.00	-7140.27	-543.06	-3019.65	-1.059e+05	-2.304e+05	1.818e+05
5	68	-302.00	-8625.36	-1609.20	-4781.63	6.074e+04	-2.021e+05	-6.699e+04
5	68	-295.00	-6935.62	-1609.59	5665.93	-2614.66	-1.704e+05	-5.904e+04
5	68	-250.00	-7039.81	-1535.77	-5095.39	1.810e+05	-1.112e+05	1.828e+04
5	68	-218.00	-1.391e+04	3400.14	-8937.44	2.730e+05	-1.101e+05	-1.021e+04
5	68	-205.00	-1.381e+04	2460.68	2089.06	2.571e+05	-1.029e+05	-1.024e+04
5	68	-176.00	-1.455e+04	1170.27	-5732.54	2.892e+05	-1.054e+05	-1.002e+04
5	68	-170.00	-1.385e+04	1058.45	3651.85	2.651e+05	-1.189e+05	-9458.03
5	68	-148.00	-1.379e+04	464.69	-1582.96	2.840e+05	-8.094e+04	-1.162e+04
5	68	-134.00	-1.325e+04	288.34	988.98	1.476e+05	-5.916e+04	-2247.31
5	68	-120.00	-1.282e+04	161.26	1749.28	1.342e+05	-1.867e+04	6898.39
5	68	-92.00	-1.207e+04	94.35	2944.54	2.417e+05	1.098e+05	-6911.68
5	68	-50.00	-1.089e+04	524.67	8361.03	2.282e+05	4.573e+05	-4317.21
5	73	-470.00	-7058.83	88.90	-2.111e+04	-5316.39	9.431e+05	-2090.21
5	73	-428.00	-7164.99	601.28	-2.157e+04	2.491e+04	4.682e+04	-4113.23
5	73	-386.00	-6542.58	774.73	-1.100e+04	3.087e+04	-2.252e+05	174.03
5	73	-345.00	-5165.78	33.82	-5929.35	-6.982e+04	-2.345e+05	6.099e+04
5	73	-344.00	-3277.74	-3.27	-2944.87	-1.576e+05	-2.272e+05	1.814e+05
5	73	-302.00	-4676.04	-951.47	-4736.90	1.592e+04	-1.964e+05	-6.795e+04
5	73	-295.00	-2981.25	-1179.58	5689.74	-3.831e+04	-1.655e+05	-5.954e+04
5	73	-250.00	-3004.22	-806.20	-5089.53	2.147e+05	-1.047e+05	1.716e+04
5	73	-218.00	-8327.82	4609.29	-8861.04	3.503e+04	-1.104e+05	-1.064e+04
5	73	-205.00	-8159.58	3503.01	2063.17	3.351e+04	-1.027e+05	-1.027e+04
5	73	-176.00	-9085.78	2186.80	-5869.19	5.712e+04	-1.072e+05	-9788.67
5	73	-170.00	-8245.03	2036.12	3451.63	5.624e+04	-1.217e+05	-9266.63
5	73	-148.00	-8293.40	1425.76	-1946.20	7.478e+04	-8.928e+04	-1.198e+04
5	73	-134.00	-7703.50	1191.40	458.26	877.39	-7.404e+04	-2356.86
5	73	-120.00	-7305.41	1024.97	1016.16	-2791.27	-4.228e+04	7726.52
5	73	-92.00	-6628.62	929.28	1700.10	5.005e+04	5.993e+04	-7010.05
5	73	-50.00	-5578.47	1302.99	6358.35	5.420e+04	3.393e+05	-4973.87
5	75	-470.00	-7060.16	87.36	-2.111e+04	-5356.68	9.431e+05	-2090.29
5	75	-428.00	-7166.30	599.65	-2.157e+04	2.483e+04	4.682e+04	-4113.50
5	75	-386.00	-6543.83	773.07	-1.100e+04	3.077e+04	-2.252e+05	173.88
5	75	-345.00	-5166.92	32.17	-5929.35	-6.995e+04	-2.345e+05	6.099e+04
5	75	-344.00	-3278.86	-4.84	-2944.86	-1.577e+05	-2.272e+05	1.814e+05
5	75	-302.00	-4677.04	-953.05	-4736.88	1.579e+04	-1.964e+05	-6.795e+04
5	75	-295.00	-2982.24	-1181.09	5689.75	-3.845e+04	-1.654e+05	-5.954e+04
5	75	-250.00	-3004.77	-807.15	-5089.55	2.145e+05	-1.047e+05	1.716e+04

5	75	-218.00	-8327.94	4609.33	-8861.02	3.503e+04	-1.104e+05	-1.064e+04
5	75	-205.00	-8159.70	3503.02	2063.20	3.351e+04	-1.027e+05	-1.027e+04
5	75	-176.00	-9085.94	2186.82	-5869.17	5.711e+04	-1.072e+05	-9788.49
5	75	-170.00	-8245.17	2036.13	3451.64	5.623e+04	-1.217e+05	-9266.47
5	75	-148.00	-8293.51	1425.77	-1946.19	7.478e+04	-8.928e+04	-1.198e+04
5	75	-134.00	-7703.58	1191.41	458.26	875.33	-7.404e+04	-2356.58
5	75	-120.00	-7305.44	1024.98	1016.16	-2790.34	-4.228e+04	7726.84
5	75	-92.00	-6628.59	929.29	1700.08	5.005e+04	5.993e+04	-7009.98
5	75	-50.00	-5578.39	1303.02	6358.31	5.421e+04	3.393e+05	-4973.84
5	76	-470.00	-1.237e+04	62.60	-2.167e+04	-1.344e+04	9.739e+05	-1971.18
5	76	-428.00	-1.247e+04	580.10	-2.189e+04	7775.43	5.910e+04	-4020.53
5	76	-386.00	-1.188e+04	759.21	-1.116e+04	2131.07	-2.226e+05	167.96
5	76	-345.00	-1.054e+04	8.97	-6006.77	-1.070e+05	-2.365e+05	6.060e+04
5	76	-344.00	-8754.11	-70.34	-3019.19	-1.090e+05	-2.292e+05	1.803e+05
5	76	-302.00	-1.021e+04	-1033.08	-4787.24	5.302e+04	-2.010e+05	-6.785e+04
5	76	-295.00	-8273.65	-1288.79	5657.47	-2.727e+04	-1.701e+05	-5.981e+04
5	76	-250.00	-8490.77	-1130.16	-5092.86	1.388e+05	-1.106e+05	1.811e+04
5	76	-218.00	-1.647e+04	4476.40	-8864.66	1.674e+05	-1.091e+05	-9857.51
5	76	-205.00	-1.618e+04	3448.76	2115.19	1.727e+05	-1.007e+05	-9978.10
5	76	-176.00	-1.683e+04	2167.38	-5678.73	2.109e+05	-1.027e+05	-9853.01
5	76	-170.00	-1.595e+04	2028.32	3694.38	2.098e+05	-1.150e+05	-9368.09
5	76	-148.00	-1.584e+04	1439.01	-1499.67	2.299e+05	-7.575e+04	-1.140e+04
5	76	-134.00	-1.515e+04	1220.54	1106.89	8.058e+04	-5.239e+04	-1938.45
5	76	-120.00	-1.464e+04	1068.72	1907.59	7.988e+04	-9910.35	6890.05
5	76	-92.00	-1.369e+04	981.90	3206.31	2.133e+05	1.245e+05	-6506.86
5	76	-50.00	-1.229e+04	1317.29	8754.39	2.240e+05	4.855e+05	-3739.13

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-2.340e+04	-2052.31	-2.852e+04	-1.851e+05	-3.081e+05	-8.837e+04
	-2981.25	8030.61	1.187e+04	3.680e+05	1.271e+06	2.359e+05

Macro	Tipo	Angolo 1-Z (gradi)
7	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
7	1	-250.00	-8163.98	-194.95	-1.396e+04	-2.679e+04	4.690e+05	729.93
7	1	-218.00	-7790.68	-204.65	-1.322e+04	-1.750e+04	3.711e+04	-3745.33
7	1	-205.00	-7569.58	5.90	-5582.75	-9138.17	-4.318e+04	-5936.09
7	1	-176.00	-7289.72	-281.76	-6598.51	-2003.57	-1.784e+05	-269.15
7	1	-170.00	-6197.97	-160.14	792.01	-8835.37	-1.804e+05	-3144.81
7	1	-148.00	-6477.04	-144.71	-2088.93	-2.813e+04	-1.992e+05	-2899.60
7	1	-134.00	-6127.63	-118.99	519.44	-2.820e+04	-1.888e+05	-546.25
7	1	-120.00	-5843.65	-85.00	1761.80	-2.246e+04	-1.541e+05	-1071.40
7	1	-92.00	-5396.99	-51.96	3185.83	-5972.10	-3.193e+04	-1295.89
7	1	-50.00	-4773.66	-47.36	7221.39	719.98	2.779e+05	-424.55
7	2	-250.00	-1.601e+04	-228.80	-1.397e+04	-2.885e+04	4.710e+05	659.73
7	2	-218.00	-1.551e+04	-206.29	-1.318e+04	-2.145e+04	3.937e+04	-3499.23
7	2	-205.00	-1.571e+04	-4.11	-5466.54	-1.120e+04	-3.950e+04	-5269.49
7	2	-176.00	-1.501e+04	-256.21	-6397.92	4591.76	-1.716e+05	-60.86
7	2	-170.00	-1.354e+04	-116.04	976.11	-6245.21	-1.724e+05	-2914.69
7	2	-148.00	-1.401e+04	-149.89	-1725.85	-3.098e+04	-1.844e+05	-3018.33
7	2	-134.00	-1.361e+04	-131.17	1011.41	-2.726e+04	-1.676e+05	-650.42
7	2	-120.00	-1.326e+04	-97.69	2391.27	-2.111e+04	-1.251e+05	-962.50
7	2	-92.00	-1.271e+04	-60.40	4187.07	-6601.67	1.905e+04	-942.36
7	2	-50.00	-1.197e+04	-49.55	8815.30	-359.54	3.831e+05	-111.87
7	3	-250.00	-8162.44	-194.94	-1.396e+04	-2.679e+04	4.690e+05	729.91
7	3	-218.00	-7789.23	-204.65	-1.322e+04	-1.750e+04	3.711e+04	-3745.44
7	3	-205.00	-7568.14	5.92	-5582.70	-9138.06	-4.318e+04	-5936.22
7	3	-176.00	-7288.51	-281.75	-6598.50	-2002.96	-1.784e+05	-269.16
7	3	-170.00	-6196.85	-160.15	792.01	-8834.05	-1.804e+05	-3144.74
7	3	-148.00	-6476.09	-144.71	-2088.95	-2.813e+04	-1.992e+05	-2899.38
7	3	-134.00	-6126.83	-118.99	519.40	-2.820e+04	-1.888e+05	-546.01
7	3	-120.00	-5843.00	-84.99	1761.75	-2.246e+04	-1.541e+05	-1071.24
7	3	-92.00	-5396.61	-51.96	3185.77	-5974.79	-3.193e+04	-1295.98
7	3	-50.00	-4773.55	-47.35	7221.26	720.07	2.779e+05	-424.67
7	7	-250.00	-5964.35	-148.59	-1.072e+04	-2.075e+04	3.599e+05	555.71
7	7	-218.00	-5697.68	-157.17	-1.016e+04	-1.345e+04	2.830e+04	-2902.70
7	7	-205.00	-5528.18	7.48	-4284.12	-7005.40	-3.336e+04	-4593.78
7	7	-176.00	-5359.03	-215.44	-5073.63	-1415.86	-1.372e+05	-208.96
7	7	-170.00	-4539.18	-125.40	609.93	-6526.78	-1.387e+05	-2405.29
7	7	-148.00	-4788.32	-111.85	-1612.11	-2.129e+04	-1.532e+05	-2185.07
7	7	-134.00	-4550.61	-91.36	391.72	-2.183e+04	-1.453e+05	-369.84
7	7	-120.00	-4362.72	-64.88	1345.78	-1.778e+04	-1.188e+05	-792.10

7	7	-92.00	-4073.76	-38.72	2437.57	-5142.64	-2.508e+04	-1014.28
7	7	-50.00	-3648.32	-35.03	5528.08	572.26	2.125e+05	-351.45
7	18	-250.00	-1.253e+04	319.40	-1.044e+04	8605.08	3.544e+05	1071.99
7	18	-218.00	-1.196e+04	325.81	-9841.15	1.373e+04	2.253e+04	-2324.08
7	18	-205.00	-1.202e+04	562.04	-4053.43	1.489e+04	-3.151e+04	-3754.76
7	18	-176.00	-1.119e+04	326.26	-4831.02	2.646e+04	-1.329e+05	320.80
7	18	-170.00	-9772.80	342.59	759.65	6312.32	-1.305e+05	-2003.07
7	18	-148.00	-1.019e+04	335.72	-1345.73	-1.024e+04	-1.408e+05	-2157.45
7	18	-134.00	-9655.11	324.09	697.80	-8291.00	-1.282e+05	-388.83
7	18	-120.00	-9251.90	333.15	1703.77	-2915.29	-9.708e+04	-657.43
7	18	-92.00	-8661.27	322.06	2952.71	7430.68	8360.47	-592.82
7	18	-50.00	-7849.23	264.81	6283.76	5033.77	2.731e+05	174.89
7	20	-250.00	-8142.04	87.60	-1.103e+04	1536.39	3.686e+05	903.14
7	20	-218.00	-7982.75	61.01	-1.044e+04	5052.85	3.672e+04	-2367.43
7	20	-205.00	-8048.84	214.06	-4402.55	6539.44	-3.111e+04	-3913.43
7	20	-176.00	-8044.68	-67.47	-5103.88	1.819e+04	-1.343e+05	46.25
7	20	-170.00	-7411.69	-12.40	656.22	5548.90	-1.385e+05	-2138.80
7	20	-148.00	-7632.60	58.59	-1485.07	-1.352e+04	-1.500e+05	-1960.61
7	20	-134.00	-7602.71	51.86	619.70	-1.617e+04	-1.397e+05	-173.62
7	20	-120.00	-7532.00	61.05	1670.29	-1.526e+04	-1.093e+05	-521.01
7	20	-92.00	-7366.28	76.89	3006.25	-4433.21	-3521.90	-688.76
7	20	-50.00	-7144.94	62.74	6499.60	2042.81	2.655e+05	-132.57
7	25	-250.00	-1.096e+04	-1479.76	-1.065e+04	-1.130e+05	3.594e+05	-1041.17
7	25	-218.00	-1.061e+04	-1395.99	-1.006e+04	-1.001e+05	2.760e+04	-4115.84
7	25	-205.00	-1.063e+04	-1374.30	-4175.06	-7.147e+04	-3.139e+04	-5506.35
7	25	-176.00	-1.008e+04	-1364.39	-4928.25	-6.672e+04	-1.334e+05	-1011.04
7	25	-170.00	-8905.62	-1030.13	722.15	-4.416e+04	-1.330e+05	-3010.85
7	25	-148.00	-9312.15	-1221.35	-1395.09	-6.110e+04	-1.438e+05	-3013.31
7	25	-134.00	-8947.12	-1108.84	669.07	-5.152e+04	-1.323e+05	-1064.43
7	25	-120.00	-8658.39	-1020.02	1692.17	-4.184e+04	-1.014e+05	-1323.02
7	25	-92.00	-8236.57	-903.67	2968.83	-2.675e+04	4104.59	-1410.44
7	25	-50.00	-7612.79	-747.58	6368.45	-1.202e+04	2.703e+05	-816.91
7	31	-250.00	-9650.59	-1438.58	-1.083e+04	-1.123e+05	3.637e+05	-1057.24
7	31	-218.00	-9416.09	-1369.90	-1.024e+04	-1.000e+05	3.185e+04	-4143.89
7	31	-205.00	-9436.52	-1343.60	-4280.25	-7.214e+04	-3.126e+04	-5541.84
7	31	-176.00	-9140.05	-1368.08	-5010.16	-6.685e+04	-1.338e+05	-1072.35
7	31	-170.00	-8202.90	-1039.61	691.50	-4.284e+04	-1.354e+05	-3042.10
7	31	-148.00	-8546.06	-1194.09	-1436.78	-6.059e+04	-1.466e+05	-2961.16
7	31	-134.00	-8333.38	-1091.89	646.11	-5.252e+04	-1.357e+05	-996.90
7	31	-120.00	-8144.06	-1009.51	1681.17	-4.427e+04	-1.051e+05	-1274.66
7	31	-92.00	-7848.78	-892.06	2985.19	-2.917e+04	556.81	-1413.90
7	31	-50.00	-7401.53	-736.53	6431.17	-1.230e+04	2.680e+05	-856.11
7	50	-250.00	-1.167e+04	119.14	-1.055e+04	-4829.02	3.571e+05	832.22
7	50	-218.00	-1.119e+04	127.50	-9958.17	820.35	2.529e+04	-2512.85
7	50	-205.00	-1.125e+04	330.29	-4121.55	4828.21	-3.144e+04	-3953.29
7	50	-176.00	-1.058e+04	109.32	-4884.44	1.578e+04	-1.332e+05	148.35
7	50	-170.00	-9309.86	160.20	739.31	1084.57	-1.321e+05	-2123.96
7	50	-148.00	-9694.71	148.71	-1373.06	-1.592e+04	-1.426e+05	-2213.03
7	50	-134.00	-9257.50	147.86	682.42	-1.387e+04	-1.305e+05	-423.88
7	50	-120.00	-8919.08	163.71	1697.23	-8711.27	-9.947e+04	-702.41
7	50	-92.00	-8414.10	168.16	2962.64	2233.54	6024.03	-685.72
7	50	-50.00	-7716.70	136.85	6326.42	2921.10	2.716e+05	33.81
7	52	-250.00	-8995.06	-21.21	-1.092e+04	-9157.62	3.659e+05	729.37
7	52	-218.00	-8761.51	-32.82	-1.032e+04	-4492.95	3.397e+04	-2540.76
7	52	-205.00	-8823.02	119.39	-4334.37	-264.37	-3.119e+04	-4050.09
7	52	-176.00	-8656.66	-129.35	-5050.77	1.074e+04	-1.340e+05	-19.21
7	52	-170.00	-7867.39	-55.34	676.44	644.22	-1.369e+05	-2206.13
7	52	-148.00	-8131.40	-19.54	-1457.77	-1.789e+04	-1.482e+05	-2092.39
7	52	-134.00	-8002.40	-17.18	634.92	-1.873e+04	-1.374e+05	-293.57
7	52	-120.00	-7866.49	-1.57	1676.64	-1.638e+04	-1.069e+05	-620.32
7	52	-92.00	-7618.80	19.11	2995.95	-5143.42	-1198.31	-743.71
7	52	-50.00	-7279.22	13.80	6458.26	1086.78	2.670e+05	-152.45
7	57	-250.00	-1.072e+04	-934.64	-1.069e+04	-7.212e+04	3.602e+05	-348.38
7	57	-218.00	-1.036e+04	-883.10	-1.009e+04	-6.215e+04	2.839e+04	-3520.53
7	57	-205.00	-1.040e+04	-797.63	-4195.79	-4.313e+04	-3.136e+04	-4952.39
7	57	-176.00	-9899.94	-877.83	-4943.75	-3.607e+04	-1.334e+05	-622.41
7	57	-170.00	-8781.87	-637.33	716.41	-2.671e+04	-1.336e+05	-2701.45
7	57	-148.00	-9158.45	-752.34	-1403.19	-4.395e+04	-1.444e+05	-2692.21
7	57	-134.00	-8824.70	-677.29	664.92	-3.787e+04	-1.329e+05	-792.41
7	57	-120.00	-8556.06	-613.05	1690.21	-3.051e+04	-1.021e+05	-1071.71
7	57	-92.00	-8152.92	-531.81	2972.60	-1.713e+04	3432.56	-1159.66
7	57	-50.00	-7569.83	-436.50	6378.08	-6833.15	2.699e+05	-545.83
7	63	-250.00	-9915.73	-909.72	-1.079e+04	-7.167e+04	3.628e+05	-358.11
7	63	-218.00	-9633.66	-867.33	-1.020e+04	-6.211e+04	3.099e+04	-3538.07
7	63	-205.00	-9670.31	-779.00	-4259.88	-4.355e+04	-3.128e+04	-4973.91
7	63	-176.00	-9325.59	-880.11	-4993.65	-3.616e+04	-1.337e+05	-659.78
7	63	-170.00	-8352.75	-643.16	697.79	-2.590e+04	-1.350e+05	-2720.37
7	63	-148.00	-8690.48	-735.88	-1428.52	-4.363e+04	-1.461e+05	-2660.32
7	63	-134.00	-8449.52	-667.02	650.96	-3.850e+04	-1.350e+05	-751.31

7	63	-120.00	-8241.38	-606.74	1683.43	-3.203e+04	-1.043e+05	-1042.33
7	63	-92.00	-7914.83	-524.83	2982.77	-1.865e+04	1277.22	-1161.80
7	63	-50.00	-7438.63	-429.84	6416.35	-7015.17	2.685e+05	-569.65
7	73	-250.00	-6143.42	-149.37	-1.073e+04	-2.067e+04	3.604e+05	558.99
7	73	-218.00	-5865.13	-157.31	-1.016e+04	-1.345e+04	2.844e+04	-2890.40
7	73	-205.00	-5695.31	5.81	-4289.96	-7018.99	-3.328e+04	-4578.15
7	73	-176.00	-5499.99	-216.18	-5074.85	-1486.97	-1.372e+05	-207.87
7	73	-170.00	-4668.81	-124.14	609.54	-6679.76	-1.387e+05	-2413.12
7	73	-148.00	-4898.39	-111.54	-1609.13	-2.149e+04	-1.532e+05	-2210.82
7	73	-134.00	-4643.06	-91.46	396.17	-2.175e+04	-1.453e+05	-398.41
7	73	-120.00	-4437.83	-65.16	1351.14	-1.750e+04	-1.187e+05	-810.28
7	73	-92.00	-4117.88	-39.43	2444.99	-4831.33	-2.479e+04	-1004.38
7	73	-50.00	-3661.78	-35.82	5543.31	561.80	2.132e+05	-337.34
7	74	-250.00	-1.138e+04	-171.93	-1.074e+04	-2.204e+04	3.618e+05	512.18
7	74	-218.00	-1.101e+04	-158.41	-1.014e+04	-1.609e+04	2.995e+04	-2726.34
7	74	-205.00	-1.112e+04	-0.86	-4212.49	-8393.00	-3.082e+04	-4133.75
7	74	-176.00	-1.065e+04	-199.14	-4941.12	2909.91	-1.327e+05	-69.01
7	74	-170.00	-9563.70	-94.74	732.27	-4952.99	-1.334e+05	-2259.70
7	74	-148.00	-9920.79	-115.00	-1367.08	-2.339e+04	-1.434e+05	-2289.97
7	74	-134.00	-9629.46	-99.58	724.15	-2.113e+04	-1.311e+05	-467.85
7	74	-120.00	-9383.82	-73.63	1770.79	-1.660e+04	-9.932e+04	-737.68
7	74	-92.00	-8996.44	-45.06	3112.47	-5251.04	9199.23	-768.70
7	74	-50.00	-8458.90	-37.29	6605.91	-157.88	2.833e+05	-128.89
7	75	-250.00	-6142.40	-149.36	-1.073e+04	-2.067e+04	3.604e+05	558.97
7	75	-218.00	-5864.17	-157.31	-1.016e+04	-1.345e+04	2.844e+04	-2890.47
7	75	-205.00	-5694.35	5.82	-4289.93	-7018.92	-3.328e+04	-4578.24
7	75	-176.00	-5499.17	-216.17	-5074.84	-1486.57	-1.372e+05	-207.88
7	75	-170.00	-4668.07	-124.15	609.54	-6678.89	-1.387e+05	-2413.07
7	75	-148.00	-4897.76	-111.55	-1609.15	-2.149e+04	-1.532e+05	-2210.67
7	75	-134.00	-4642.53	-91.46	396.15	-2.175e+04	-1.453e+05	-398.24
7	75	-120.00	-4437.40	-65.16	1351.11	-1.750e+04	-1.187e+05	-810.18
7	75	-92.00	-4117.63	-39.43	2444.94	-4833.12	-2.479e+04	-1004.44
7	75	-50.00	-3661.71	-35.82	5543.22	561.86	2.132e+05	-337.42

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1.601e+04	-1479.76	-1.397e+04	-1.130e+05	-1.992e+05	-5936.22
	-3648.32	562.04	8815.30	2.646e+04	4.710e+05	1071.99

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	1	1	152.88	-41.18	59.16	52.54	-96.97	326.56	190.66	264.58	252.63	-67.68
1	1	2	46.06	-42.31	44.65	-40.90	11.06	-310.23	-1450.15	-599.98	-1160.40	496.33
1	1	3	-26.00	-132.58	-26.17	-132.40	4.33	-1865.46	-3674.46	-2037.34	-3502.58	530.47
1	1	4	-104.79	-199.10	-104.80	-199.09	-0.81	-2527.49	-5708.10	-2578.47	-5657.12	399.43
1	1	5	-158.38	-238.64	-158.45	-238.57	-2.41	-2756.81	-7123.21	-2767.62	-7112.40	216.96
1	1	6	-180.97	-253.45	-181.02	-253.41	-1.85	-2819.57	-7692.79	-2819.60	-7692.75	12.85
1	1	7	-171.77	-245.03	-171.78	-245.02	-0.89	-2765.52	-7349.58	-2773.85	-7341.24	-195.29
1	1	8	-131.15	-211.72	-131.17	-211.70	-1.24	-2528.33	-6109.97	-2571.25	-6067.05	-389.69
1	1	9	-62.69	-149.69	-62.90	-149.48	-4.31	-1859.09	-4114.66	-1996.79	-3976.95	-540.04
1	1	10	8.39	-57.25	7.24	-56.10	-8.61	-292.27	-1706.13	-539.11	-1459.28	-536.72
1	1	11	149.91	-47.41	38.83	63.67	97.87	340.79	146.54	332.83	154.50	38.51
1	1	12	24.99	-41.23	-41.02	24.78	3.73	-281.87	-1510.41	-1235.41	-556.87	512.08
1	1	13	-17.63	-94.98	-54.39	-58.22	38.63	175.31	-3714.27	-1805.38	-1733.58	1944.46
1	1	14	-39.64	-159.26	-73.28	-125.63	53.78	-793.98	-4308.05	-2177.62	-2924.41	1716.90
1	1	15	-77.74	-204.90	-95.17	-187.46	43.74	-1678.71	-4892.81	-2266.48	-4305.04	1242.45
1	1	16	-109.21	-231.71	-114.33	-226.59	24.51	-2140.76	-5425.07	-2275.50	-5290.33	651.46
1	1	17	-122.93	-242.01	-123.01	-241.93	3.17	-2270.84	-5690.73	-2270.84	-5690.73	-0.75
1	1	18	-115.63	-236.41	-118.42	-233.62	-18.16	-2124.22	-5577.79	-2256.20	-5445.81	-662.10
1	1	19	-89.24	-213.53	-102.10	-200.67	-37.85	-1644.95	-5126.95	-2198.37	-4573.53	-1273.08
1	1	20	-52.24	-170.17	-80.48	-141.92	-50.33	-764.45	-4466.91	-2020.06	-3211.30	-1752.80
1	1	21	-22.75	-105.88	-59.13	-69.51	-41.24	202.46	-3641.30	-1557.06	-1881.78	-1915.01
1	1	22	32.06	-48.11	-47.36	31.31	-7.72	-247.11	-1183.62	-796.96	-633.77	-461.09
1	1	23	-48.29	-134.79	-134.66	-48.43	-3.40	-1810.41	-3899.00	-3741.58	-1967.83	551.36
1	1	24	-50.60	-159.00	-126.63	-82.97	49.61	-746.60	-4418.34	-3083.38	-2081.57	1766.21
1	1	25	-62.52	-187.02	-123.89	-125.65	62.24	-1532.38	-3846.02	-2766.82	-2611.57	1154.21
1	1	26	-86.00	-203.75	-120.66	-169.10	53.66	-2140.40	-3694.63	-2593.89	-3241.14	706.52
1	1	27	-107.88	-212.27	-118.85	-201.30	32.01	-2425.39	-3815.62	-2506.71	-3734.30	326.25
1	1	28	-117.48	-215.33	-117.74	-215.08	4.98	-2475.19	-3940.16	-2476.47	-3938.88	-43.26
1	1	29	-111.20	-213.34	-116.41	-208.13	-22.46	-2357.10	-3917.55	-2475.20	-3799.45	-412.73
1	1	30	-91.99	-204.49	-115.45	-181.04	-45.70	-2016.79	-3802.82	-2478.98	-3340.63	-782.22
1	1	31	-68.48	-185.92	-115.92	-138.49	-57.63	-1399.28	-3755.80	-2471.05	-2684.02	-1173.44

1	1	32	-52.43	-154.92	-117.54	-89.80	-49.33	-614.84	-3901.23	-2469.86	-2046.20	-1629.48
1	1	33	-48.08	-126.22	-126.15	-48.15	2.27	-1586.07	-2779.52	-2556.74	-1808.85	-465.03
1	1	34	-127.20	-204.04	-203.08	-128.15	-8.50	-2444.24	-6108.94	-6058.01	-2495.17	429.02
1	1	35	-93.47	-206.73	-191.52	-108.69	38.62	-1553.58	-5152.54	-4556.86	-2149.26	1337.54
1	1	36	-91.98	-205.93	-172.54	-125.37	51.86	-2022.72	-3850.74	-3456.74	-2416.72	751.66
1	1	37	-108.31	-199.12	-154.87	-152.56	45.39	-2411.86	-3176.09	-2907.04	-2680.90	365.00
1	1	38	-126.49	-191.43	-141.71	-176.21	27.51	-2604.98	-2935.59	-2662.40	-2878.17	125.25
1	1	39	-134.60	-187.71	-134.94	-187.36	4.28	-2575.67	-2960.61	-2584.72	-2951.55	-58.34
1	1	40	-128.22	-189.38	-135.15	-182.45	-19.39	-2467.92	-3010.92	-2606.68	-2872.17	-236.83
1	1	41	-112.47	-192.55	-142.05	-162.97	-38.65	-2229.95	-3135.58	-2717.84	-2647.69	-451.46
1	1	42	-96.76	-193.39	-154.34	-135.81	-47.42	-1816.32	-3474.67	-2972.57	-2318.42	-761.94
1	1	43	-95.54	-187.66	-169.27	-113.93	-36.83	-1308.72	-4148.65	-3517.20	-1940.17	-1180.91
1	1	44	-124.53	-179.56	-178.63	-125.46	7.10	-2016.09	-4180.30	-4125.07	-2071.32	-341.30
1	1	45	-181.90	-246.33	-244.92	-183.32	-9.44	-2656.89	-7704.40	-7691.22	-2670.07	257.64
1	1	46	-127.06	-237.44	-233.59	-130.91	20.26	-1960.37	-5821.02	-5648.78	-2132.61	797.06
1	1	47	-115.97	-219.10	-209.08	-125.99	30.54	-2197.73	-4110.24	-4015.41	-2292.56	415.18
1	1	48	-127.31	-197.38	-184.16	-140.53	27.42	-2362.45	-3182.68	-3148.21	-2396.93	164.59
1	1	49	-144.26	-178.22	-165.06	-157.41	16.54	-2444.62	-2754.77	-2751.68	-2447.71	30.81
1	1	50	-154.88	-166.74	-155.25	-166.37	2.07	-2435.32	-2638.09	-2624.50	-2448.92	-50.71
1	1	51	-146.44	-172.79	-155.95	-163.28	-12.66	-2344.67	-2719.89	-2670.74	-2393.82	-126.59
1	1	52	-132.66	-183.88	-166.36	-150.18	-24.30	-2192.88	-2968.53	-2887.64	-2273.77	-237.06
1	1	53	-122.11	-196.78	-183.39	-135.51	-28.65	-1947.81	-3492.01	-3363.46	-2076.36	-426.59
1	1	54	-129.41	-206.51	-200.85	-135.07	-20.11	-1621.06	-4432.60	-4253.76	-1799.89	-686.16
1	1	55	-174.62	-209.11	-207.83	-175.89	6.50	-2038.15	-5178.71	-5166.40	-2050.46	-196.24
1	1	56	-208.43	-265.59	-264.86	-209.15	-6.38	-2710.34	-8476.72	-8475.94	-2711.12	66.74
1	1	57	-142.41	-252.31	-252.30	-142.41	0.49	-2092.55	-6193.34	-6183.28	-2102.61	202.79
1	1	58	-126.30	-227.74	-227.47	-126.58	5.26	-2217.32	-4301.12	-4297.10	-2221.35	91.53
1	1	59	-134.07	-200.34	-199.96	-134.44	4.98	-2266.89	-3267.66	-3267.21	-2267.34	21.22
1	1	60	-147.73	-178.63	-178.42	-147.93	2.50	-2262.07	-2787.03	-2786.70	-2262.41	-13.33
1	1	61	-155.79	-167.34	-167.26	-155.87	-0.93	-2232.70	-2632.59	-2630.30	-2234.99	-30.16
1	1	62	-152.60	-169.27	-168.01	-153.85	-4.40	-2184.36	-2693.26	-2689.50	-2188.11	-43.55
1	1	63	-142.81	-180.91	-179.57	-144.15	-7.03	-2100.36	-2968.88	-2963.78	-2105.46	-66.35
1	1	64	-135.12	-198.72	-197.76	-136.08	-7.77	-1946.05	-3558.46	-3550.64	-1953.87	-112.03
1	1	65	-145.82	-214.19	-213.95	-146.06	-4.04	-1705.11	-4608.67	-4597.43	-1716.35	-180.31
1	1	66	-198.56	-221.42	-221.34	-198.64	1.37	-2000.07	-5641.11	-5640.44	-2000.74	-49.31
1	1	67	-205.36	-266.58	-266.08	-205.86	-5.50	-2673.19	-8373.27	-8370.37	-2676.09	-128.63
1	1	68	-138.26	-251.95	-250.05	-140.16	-14.58	-2020.25	-6127.61	-6086.63	-2061.23	-408.19
1	1	69	-121.22	-229.82	-225.69	-125.35	-20.78	-2158.60	-4262.20	-4236.91	-2183.89	-229.25
1	1	70	-129.83	-203.26	-198.21	-134.88	-18.58	-2225.58	-3246.48	-3234.33	-2237.73	-110.70
1	1	71	-144.54	-181.64	-176.89	-149.29	-12.40	-2239.64	-2771.18	-2766.82	-2244.00	-47.94
1	1	72	-155.86	-167.68	-165.83	-157.71	-4.29	-2225.30	-2613.18	-2612.99	-2225.49	-8.61
1	1	73	-154.37	-167.81	-166.47	-155.71	4.03	-2180.30	-2669.43	-2667.35	-2182.38	31.82
1	1	74	-142.13	-181.08	-177.87	-145.34	10.71	-2088.82	-2940.30	-2929.88	-2099.24	93.60
1	1	75	-132.72	-199.01	-196.26	-135.47	13.22	-1922.36	-3522.17	-3497.64	-1946.89	196.57
1	1	76	-143.38	-212.99	-212.34	-144.03	6.71	-1669.00	-4563.78	-4525.30	-1707.49	331.54
1	1	77	-195.40	-223.70	-223.55	-195.55	-2.05	-2000.95	-5581.43	-5578.70	-2003.67	98.74
1	1	78	-189.55	-244.19	-244.16	-189.58	1.28	-2577.63	-7815.97	-7803.42	-2590.19	-256.11
1	1	79	-121.54	-250.80	-243.14	-129.20	-30.51	-1872.23	-5842.13	-5683.68	-2030.68	-777.13
1	1	80	-111.68	-226.06	-212.95	-124.78	-36.43	-2078.54	-4118.34	-4022.02	-2174.86	-432.67
1	1	81	-122.45	-203.65	-187.56	-138.54	-32.37	-2226.27	-3182.38	-3135.98	-2272.67	-205.46
1	1	82	-140.00	-183.82	-168.17	-155.65	-20.99	-2307.87	-2742.44	-2726.32	-2323.99	-82.13
1	1	83	-154.60	-168.63	-158.04	-165.19	-6.03	-2332.17	-2589.97	-2589.96	-2332.17	-1.19
1	1	84	-151.02	-170.15	-158.48	-162.68	9.33	-2270.89	-2649.91	-2631.93	-2288.87	80.58
1	1	85	-135.73	-183.01	-168.73	-150.00	21.70	-2129.08	-2906.03	-2851.47	-2183.65	198.54
1	1	86	-124.24	-197.62	-186.04	-135.82	26.75	-1896.84	-3444.94	-3338.81	-2002.97	391.20
1	1	87	-128.17	-214.69	-209.25	-133.62	21.01	-1590.71	-4406.35	-4249.64	-1747.42	645.50
1	1	88	-177.63	-209.33	-205.78	-181.18	-9.99	-1999.10	-5236.69	-5224.04	-2011.74	201.92
1	1	89	-172.10	-243.41	-243.05	-172.46	-5.05	-2527.80	-7360.52	-7341.56	-2546.76	-302.09
1	1	90	-109.15	-239.93	-225.52	-123.56	-40.94	-1761.92	-5647.75	-5380.49	-2029.17	-983.41
1	1	91	-101.70	-224.47	-202.95	-123.21	-46.68	-2031.26	-4023.91	-3859.82	-2195.35	-547.76
1	1	92	-116.14	-204.45	-179.39	-141.20	-39.81	-2241.81	-3150.07	-3065.14	-2326.74	-264.44
1	1	93	-135.74	-186.09	-161.37	-160.47	-25.17	-2377.20	-2735.66	-2700.15	-2412.71	-107.09
1	1	94	-149.99	-172.83	-151.95	-170.87	-6.40	-2440.27	-2577.08	-2577.07	-2440.27	0.66
1	1	95	-145.06	-175.24	-152.28	-168.02	12.88	-2348.23	-2655.36	-2609.39	-2394.20	109.57
1	1	96	-128.53	-186.79	-161.81	-153.51	28.83	-2161.28	-2902.43	-2795.34	-2268.37	260.58
1	1	97	-113.71	-199.44	-178.03	-135.12	37.11	-1875.85	-3406.11	-3218.95	-2063.00	501.36
1	1	98	-115.85	-207.41	-194.56	-128.70	31.80	-1517.04	-4314.38	-4044.52	-1786.90	825.87
1	1	99	-165.51	-209.75	-209.62	-165.64	-2.36	-2014.81	-4948.40	-4930.92	-2032.30	225.81
1	1	100	-109.08	-192.14	-191.91	-109.32	-4.39	-2186.68	-5563.72	-5497.15	-2253.24	-469.43
1	1	101	-73.92	-201.31	-174.69	-100.54	-51.79	-1240.97	-4927.73	-4179.79	-1988.92	-1482.59
1	1	102	-75.96	-209.35	-162.99	-122.32	-63.51	-1762.23	-3784.33	-3263.75	-2282.81	-884.12
1	1	103	-96.12	-206.49	-149.33	-153.29	-55.15	-2209.43	-3212.02	-2807.16	-2614.29	-491.93
1	1	104	-119.09	-199.88	-138.71	-180.26	-34.64	-2463.63	-3012.49	-2592.63	-2883.49	-232.73
1	1	105	-131.92	-194.73	-133.03	-193.63	-8.25	-2510.52	-3004.70	-2510.77	-3004.45	-11.09
1	1	106	-126.90	-195.01	-132.59	-189.32	18.84	-2419.73	-3025.73	-2511.22	-2934.24	216.96
1	1	107	-108.56	-197.04	-137.27	-168.33	41.42	-2150.71	-3116.93	-2584.80	-2682.84	480.61
1	1	108	-88.63	-194.56	-146.18	-137.01	52.76	-1679.38	-3404.19	-2770.23	-2313.34	831.60
1	1	109	-81.61	-180.20	-154.81	-107.00	43.11	-1115.05	-4001.86	-3200.10	-1916.82	1292.95
1	1	110	-104.29	-172.06	-171.83	-104.53	-3.99	-1911.28	-3797.53	-3718.37	-1990.44	378.22

1	1	111	-33.03	-110.54	-110.14	-33.44	-5.57	-1316.15	-3265.92	-3089.92	-1492.14	-558.72
1	1	112	-37.50	-145.11	-109.25	-73.36	-50.72	-368.36	-4136.36	-2702.01	-1802.70	-1829.55
1	1	113	-49.89	-183.75	-113.57	-120.08	-66.85	-1220.96	-3828.55	-2599.15	-2450.35	-1301.67
1	1	114	-79.67	-205.92	-116.80	-168.80	-57.52	-1915.02	-3832.70	-2507.95	-3239.78	-886.27
1	1	115	-108.22	-217.53	-120.85	-204.90	-34.95	-2281.12	-4019.57	-2428.55	-3872.14	-484.32
1	1	116	-122.38	-221.87	-122.93	-221.33	-7.35	-2373.66	-4160.42	-2375.40	-4158.69	-55.66
1	1	117	-116.81	-219.73	-121.10	-215.44	20.56	-2260.04	-4112.93	-2346.30	-4026.67	390.37
1	1	118	-94.46	-208.53	-115.83	-187.16	44.51	-1894.22	-3923.86	-2321.47	-3496.61	827.42
1	1	119	-65.76	-183.68	-109.22	-140.22	56.89	-1220.52	-3747.98	-2261.80	-2706.70	1244.00
1	1	120	-46.94	-140.46	-104.33	-83.07	45.53	-364.72	-3697.77	-2110.83	-1951.66	1664.62
1	1	121	-24.29	-105.62	-105.55	-24.35	2.31	-1252.91	-2352.10	-2072.42	-1532.58	478.74
1	1	122	8.23	-45.86	-44.63	7.00	-8.07	-401.84	-1798.34	-1589.42	-610.75	-498.10
1	1	123	25.16	-58.29	-57.48	24.35	8.20	-403.75	-1368.48	-1015.40	-756.82	464.71
1	1	124	-20.04	-119.70	-68.34	-71.40	49.80	135.42	-3550.82	-1580.66	-1834.75	1838.74
1	1	125	-56.53	-173.73	-88.25	-142.02	52.07	-764.50	-4263.75	-1954.48	-3073.78	1657.70
1	1	126	-97.19	-214.17	-110.98	-200.38	37.72	-1614.04	-4925.24	-2104.47	-4434.81	1176.18
1	1	127	-126.82	-235.89	-129.67	-233.05	17.39	-2076.85	-5448.52	-2172.10	-5353.27	558.64
1	1	128	-135.11	-240.56	-135.22	-240.45	-3.40	-2224.14	-5651.63	-2227.44	-5648.33	-106.28
1	1	129	-119.06	-228.72	-124.24	-223.54	-23.27	-2114.36	-5441.07	-2288.83	-5266.60	-741.60
1	1	130	-81.95	-199.26	-98.43	-182.79	-40.76	-1676.40	-4883.65	-2314.80	-4245.25	-1280.61
1	1	131	-34.49	-150.06	-65.08	-119.47	-50.99	-769.27	-4163.31	-2177.21	-2755.38	-1672.22
1	1	132	-0.84	-81.24	-36.64	-45.44	-39.96	304.29	-3232.27	-1543.51	-1384.48	-1766.49
1	1	133	18.77	-29.76	-29.75	18.76	0.36	179.02	-881.98	-798.73	95.77	-285.30
1	1	134	137.65	-38.74	57.83	41.08	87.79	305.00	180.43	245.56	239.86	62.22
1	1	135	56.82	-39.12	53.51	-35.81	-17.49	-422.85	-1183.61	-602.94	-1003.52	-323.38
1	1	136	-21.67	-126.55	-22.02	-126.21	-6.00	-2008.10	-3373.73	-2108.95	-3272.88	-357.14
1	1	137	-104.11	-192.52	-104.19	-192.44	2.67	-2618.57	-5429.19	-2652.57	-5395.19	-307.23
1	1	138	-165.40	-233.39	-165.98	-232.81	6.25	-2790.27	-6874.38	-2799.70	-6864.95	-196.01
1	1	139	-195.45	-249.27	-195.87	-248.85	4.77	-2793.24	-7474.33	-2793.52	-7474.05	-36.28
1	1	140	-189.26	-241.89	-189.30	-241.85	1.39	-2702.47	-7167.45	-2708.01	-7161.92	157.15
1	1	141	-146.75	-209.98	-146.75	-209.97	-0.35	-2459.28	-5973.55	-2497.24	-5935.60	363.25
1	1	142	-73.78	-148.82	-73.83	-148.77	1.95	-1803.89	-4039.61	-1946.18	-3897.33	545.77
1	1	143	3.45	-58.34	3.33	-58.22	2.70	-278.51	-1718.21	-559.59	-1437.14	570.67
1	1	144	144.70	-48.74	28.39	67.57	-94.71	321.11	152.21	313.56	159.75	-34.89
1	4	1	146.81	-50.10	51.62	45.09	-98.40	115.03	-47.93	40.89	26.21	-81.15
1	4	2	41.72	-44.65	41.08	-44.01	7.44	-510.49	-1440.25	-647.51	-1303.24	329.57
1	4	3	-30.58	-134.59	-30.60	-134.58	1.20	-1623.93	-3730.15	-1701.96	-3652.13	397.81
1	4	4	-110.38	-200.99	-110.47	-200.90	-2.97	-2065.44	-5839.10	-2090.54	-5814.00	306.74
1	4	5	-164.68	-240.32	-164.83	-240.18	-3.28	-2215.13	-7280.56	-2220.78	-7274.92	169.03
1	4	6	-187.33	-254.98	-187.35	-254.96	-1.32	-2258.39	-7857.98	-2258.41	-7857.95	11.94
1	4	7	-177.32	-246.67	-177.33	-246.65	0.98	-2226.49	-7510.16	-2230.69	-7505.95	-148.97
1	4	8	-135.30	-213.62	-135.34	-213.58	1.77	-2068.39	-6249.75	-2089.74	-6228.40	-298.03
1	4	9	-65.50	-151.80	-65.50	-151.80	-0.58	-1603.29	-4198.75	-1668.88	-4133.17	-407.33
1	4	10	5.52	-59.79	5.18	-59.45	-4.66	-475.35	-1729.41	-594.51	-1610.25	-367.74
1	4	11	143.78	-56.82	31.12	55.84	99.53	119.96	-96.56	105.75	-82.35	53.62
1	4	12	20.95	-44.07	-44.07	20.95	-8.23e-02	-483.31	-1505.85	-1372.72	-616.44	344.10
1	4	13	-25.26	-95.38	-58.31	-62.33	35.00	-311.52	-2711.72	-1540.90	-1482.34	1199.74
1	4	14	-45.80	-160.51	-77.62	-128.69	51.35	-930.93	-3205.78	-1645.02	-2491.69	1055.71
1	4	15	-83.26	-206.95	-99.92	-190.28	42.24	-1333.63	-3978.94	-1579.87	-3732.70	768.60
1	4	16	-114.42	-234.26	-119.38	-229.30	23.87	-1464.00	-4687.79	-1515.44	-4636.34	404.00
1	4	17	-127.96	-244.69	-128.06	-244.59	3.39	-1490.27	-5009.51	-1490.27	-5009.50	-5.00
1	4	18	-120.61	-238.83	-123.13	-236.31	-17.07	-1445.53	-4843.57	-1498.84	-4790.26	-422.25
1	4	19	-94.47	-215.29	-106.27	-203.50	-35.86	-1278.45	-4236.35	-1516.20	-3998.61	-804.18
1	4	20	-58.41	-170.90	-84.20	-145.11	-47.29	-867.03	-3401.01	-1491.73	-2776.31	-1092.12
1	4	21	-31.22	-105.43	-62.66	-73.99	-36.67	-285.09	-2639.75	-1293.39	-1631.45	-1165.13
1	4	22	26.82	-50.46	-50.38	26.74	-2.52	-502.28	-1128.89	-932.32	-698.85	-290.74
1	4	23	-52.68	-137.26	-136.70	-53.24	-6.85	-1583.03	-3956.13	-3880.98	-1658.18	415.56
1	4	24	-57.11	-160.01	-129.45	-87.68	47.02	-889.41	-3316.04	-2629.03	-1576.42	1093.22
1	4	25	-68.26	-188.94	-127.54	-129.66	60.33	-1351.27	-2480.34	-1972.00	-1859.61	561.73
1	4	26	-91.05	-206.45	-124.79	-172.70	52.49	-1496.03	-2398.28	-1594.12	-2300.19	280.86
1	4	27	-112.48	-215.48	-123.23	-204.73	31.49	-1392.04	-2684.04	-1400.41	-2675.67	103.63
1	4	28	-121.90	-218.74	-122.17	-218.47	5.07	-1336.28	-2841.03	-1337.73	-2839.58	-46.70
1	4	29	-115.78	-216.53	-120.70	-211.61	-21.72	-1341.94	-2765.49	-1369.56	-2737.86	-196.37
1	4	30	-97.17	-207.06	-119.43	-184.79	-44.17	-1354.37	-2519.84	-1479.67	-2394.55	-361.01
1	4	31	-74.81	-187.50	-119.39	-142.92	-55.10	-1204.50	-2396.75	-1674.85	-1926.39	-582.70
1	4	32	-60.41	-155.13	-120.16	-95.37	-45.71	-789.29	-2758.35	-2010.31	-1537.33	-955.71
1	4	33	-53.49	-128.74	-128.02	-54.21	7.35	-1411.40	-2774.53	-2689.95	-1495.98	-328.85
1	4	34	-132.63	-206.40	-204.69	-134.34	-11.11	-2018.13	-6227.32	-6201.30	-2044.15	329.91
1	4	35	-99.58	-208.40	-194.03	-113.96	36.84	-1244.94	-4209.48	-3953.25	-1501.16	833.03
1	4	36	-97.36	-208.38	-175.75	-129.99	50.57	-1387.89	-2542.76	-2455.03	-1475.61	305.97
1	4	37	-113.08	-202.24	-158.58	-156.74	44.57	-1501.48	-1673.31	-1659.57	-1515.21	46.59
1	4	38	-130.79	-195.09	-145.71	-180.17	27.14	-1276.61	-1578.31	-1282.15	-1572.77	-40.52
1	4	39	-138.69	-191.65	-139.05	-191.29	4.35	-1154.38	-1605.72	-1162.59	-1597.51	-60.30
1	4	40	-132.60	-193.12	-139.19	-186.53	-18.85	-1209.98	-1578.47	-1225.82	-1562.63	-74.74
1	4	41	-117.58	-195.74	-145.83	-167.49	-37.55	-1335.42	-1607.53	-1468.45	-1474.49	-136.02
1	4	42	-103.03	-195.72	-157.58	-141.17	-45.61	-1230.21	-2104.10	-1966.49	-1367.83	-318.31
1	4	43	-103.46	-188.78	-171.68	-120.56	-34.15	-1036.44	-3151.64	-2905.80	-1282.28	-677.91
1	4	44	-131.12	-182.55	-179.95	-133.72	11.26	-1587.92	-4280.88	-4258.85	-1609.95	-242.56
1	4	45	-188.36	-248.31	-246.26	-190.41	-10.89	-2159.56	-7844.98	-7838.00	-2166.54	199.08

1	4	46	-133.03	-239.54	-235.94	-136.63	19.24	-1348.08	-5020.12	-4951.96	-1416.25	495.64
1	4	47	-121.20	-221.87	-212.10	-130.97	29.81	-1238.03	-2888.90	-2875.48	-1251.44	148.22
1	4	48	-132.01	-200.71	-187.65	-145.07	26.96	-1105.50	-1736.06	-1735.04	-1106.51	-25.26
1	4	49	-148.55	-182.04	-168.86	-161.73	16.36	-981.07	-1210.71	-1189.03	-1002.75	-67.14
1	4	50	-158.80	-171.05	-159.19	-170.65	2.16	-922.09	-1042.07	-1014.13	-950.03	-50.71
1	4	51	-150.92	-176.71	-159.87	-167.77	-12.28	-938.61	-1112.00	-1107.08	-943.52	-28.78
1	4	52	-137.89	-187.35	-170.05	-155.19	-23.59	-968.85	-1476.33	-1471.81	-973.37	-47.66
1	4	53	-128.44	-199.61	-186.57	-141.48	-27.54	-1000.61	-2239.45	-2218.28	-1021.78	-160.56
1	4	54	-137.42	-208.37	-203.20	-142.59	-18.44	-1009.06	-3607.25	-3548.48	-1067.83	-386.32
1	4	55	-182.66	-212.05	-208.84	-185.87	9.17	-1525.04	-5306.77	-5301.71	-1530.10	-138.20
1	4	56	-215.63	-266.94	-266.09	-216.48	-6.54	-2192.91	-8625.86	-8625.46	-2193.31	50.68
1	4	57	-148.29	-254.56	-254.56	-148.29	0.25	-1359.03	-5447.63	-5444.12	-1362.55	119.79
1	4	58	-131.47	-230.65	-230.39	-131.73	5.06	-1141.75	-3092.41	-3092.23	-1141.93	18.81
1	4	59	-138.81	-203.72	-203.35	-139.18	4.89	-925.49	-1776.79	-1775.78	-926.51	-29.36
1	4	60	-152.24	-182.35	-182.13	-152.45	2.54	-755.76	-1142.08	-1138.30	-759.53	-37.98
1	4	61	-160.29	-171.21	-171.15	-160.35	-0.78	-672.37	-934.83	-931.87	-675.33	-27.71
1	4	62	-157.35	-173.09	-171.91	-158.54	-4.15	-678.12	-1041.12	-1040.55	-678.70	-14.47
1	4	63	-148.10	-184.53	-183.25	-149.38	-6.70	-752.04	-1470.60	-1470.38	-752.26	-12.62
1	4	64	-141.44	-201.86	-200.96	-142.34	-7.33	-856.47	-2342.17	-2341.20	-857.43	-37.86
1	4	65	-153.85	-216.47	-216.28	-154.04	-3.45	-952.51	-3853.54	-3850.26	-955.78	-97.41
1	4	66	-209.11	-222.60	-222.22	-209.49	2.23	-1460.66	-5777.83	-5777.57	-1460.92	-33.53
1	4	67	-212.41	-267.70	-267.34	-212.78	-4.47	-2158.62	-8520.91	-8519.30	-2160.23	-101.08
1	4	68	-144.04	-254.12	-252.30	-145.86	-14.01	-1306.54	-5370.85	-5353.00	-1324.39	-268.75
1	4	69	-126.39	-232.68	-228.60	-130.48	-20.44	-1103.23	-3046.61	-3041.07	-1108.77	-103.58
1	4	70	-134.68	-206.60	-201.60	-139.67	-18.29	-902.20	-1754.88	-1754.46	-902.62	-18.98
1	4	71	-149.20	-185.31	-180.64	-153.87	-12.11	-747.49	-1131.90	-1131.88	-747.51	2.49
1	4	72	-160.46	-171.54	-169.78	-162.21	-4.05	-671.99	-929.25	-929.21	-672.02	-3.10
1	4	73	-158.86	-171.95	-170.44	-160.36	4.17	-678.00	-1033.47	-1033.27	-678.20	-8.53
1	4	74	-147.19	-184.94	-181.63	-150.51	10.69	-749.55	-1450.48	-1450.35	-749.68	9.51
1	4	75	-138.87	-202.29	-199.52	-141.65	12.98	-848.06	-2303.45	-2299.53	-851.98	75.43
1	4	76	-151.34	-215.32	-214.72	-151.94	6.14	-933.77	-3798.21	-3785.01	-946.97	194.04
1	4	77	-205.85	-224.93	-224.46	-206.33	-2.97	-1461.13	-5716.23	-5715.03	-1462.33	71.24
1	4	78	-195.80	-245.71	-245.51	-196.00	3.16	-2077.34	-7958.34	-7951.64	-2084.03	-198.37
1	4	79	-127.20	-252.83	-245.47	-134.56	-29.50	-1240.44	-5045.53	-4979.01	-1306.96	-498.66
1	4	80	-116.91	-228.81	-215.90	-129.81	-35.74	-1103.89	-2889.78	-2870.68	-1122.99	-183.71
1	4	81	-127.40	-206.93	-191.03	-143.30	-31.81	-968.16	-1711.12	-1710.26	-969.02	-25.18
1	4	82	-144.73	-187.47	-172.03	-160.18	-20.53	-862.89	-1152.50	-1151.69	-863.70	15.31
1	4	83	-159.02	-172.69	-162.11	-169.60	-5.72	-815.93	-969.48	-969.20	-816.21	6.61
1	4	84	-155.20	-174.56	-162.56	-167.19	9.40	-820.20	-1059.75	-1059.72	-820.23	-2.58
1	4	85	-140.61	-186.95	-172.58	-154.97	21.43	-862.91	-1430.12	-1428.62	-864.40	29.09
1	4	86	-130.27	-200.84	-189.36	-141.76	26.05	-912.69	-2205.09	-2187.72	-930.05	148.80
1	4	87	-135.99	-216.87	-211.72	-141.14	19.75	-946.12	-3592.58	-3539.77	-998.92	370.07
1	4	88	-184.81	-213.51	-206.79	-191.52	-12.15	-1473.57	-5365.22	-5359.86	-1478.93	144.32
1	4	89	-178.17	-244.57	-244.47	-178.27	-2.61	-2049.59	-7500.35	-7490.02	-2059.92	-237.06
1	4	90	-114.77	-241.79	-227.84	-128.73	-39.72	-1217.79	-4813.63	-4701.11	-1330.32	-626.07
1	4	91	-106.98	-227.13	-205.93	-128.17	-45.80	-1144.81	-2779.76	-2746.76	-1177.81	-229.93
1	4	92	-121.17	-207.68	-182.94	-145.92	-39.09	-1062.36	-1687.29	-1685.37	-1064.27	-34.54
1	4	93	-140.52	-189.74	-165.31	-164.95	-24.61	-995.90	-1177.82	-1176.25	-997.47	16.83
1	4	94	-154.35	-176.96	-156.11	-175.20	-6.06	-968.09	-1011.47	-1009.09	-970.47	9.87
1	4	95	-149.26	-179.59	-156.45	-172.41	12.89	-970.22	-1089.06	-1089.01	-970.27	2.49
1	4	96	-133.37	-190.67	-165.71	-158.33	28.41	-985.46	-1424.55	-1420.21	-989.79	43.41
1	4	97	-119.69	-202.56	-181.38	-140.87	36.15	-991.17	-2140.66	-2107.92	-1023.90	191.21
1	4	98	-123.57	-209.42	-197.02	-135.97	30.18	-969.83	-3454.15	-3360.95	-1063.02	472.06
1	4	99	-174.60	-211.50	-210.72	-175.38	-5.31	-1511.20	-5074.51	-5067.21	-1518.49	161.07
1	4	100	-113.16	-193.66	-193.64	-113.18	-1.14	-1815.31	-5676.88	-5642.97	-1849.22	-360.32
1	4	101	-79.66	-202.57	-177.14	-105.08	-49.79	-1052.19	-3945.26	-3607.59	-1389.87	-928.92
1	4	102	-81.67	-211.65	-166.31	-127.00	-61.94	-1254.81	-2451.90	-2305.13	-1401.58	-392.62
1	4	103	-101.58	-209.53	-153.34	-157.78	-53.93	-1419.46	-1707.94	-1612.06	-1515.34	-135.89
1	4	104	-124.20	-203.41	-143.14	-184.47	-33.79	-1269.08	-1651.98	-1273.47	-1647.60	-40.73
1	4	105	-136.61	-198.59	-137.62	-197.59	-7.85	-1156.20	-1718.84	-1156.21	-1718.83	2.44
1	4	106	-131.43	-198.86	-137.08	-193.21	18.68	-1195.07	-1693.82	-1200.02	-1688.86	49.45
1	4	107	-113.54	-200.39	-141.41	-172.52	40.54	-1319.40	-1648.95	-1401.44	-1566.90	142.50
1	4	108	-94.68	-197.00	-149.67	-142.01	51.02	-1209.52	-2021.53	-1820.85	-1410.20	350.26
1	4	109	-89.33	-181.30	-157.33	-113.30	40.37	-961.81	-2959.44	-2628.04	-1293.21	743.10
1	4	110	-111.18	-174.38	-173.28	-112.28	-8.26	-1529.76	-3884.67	-3853.52	-1560.91	269.03
1	4	111	-35.40	-112.51	-112.46	-35.46	-2.05	-1193.21	-3319.59	-3234.90	-1277.91	-415.84
1	4	112	-44.20	-145.69	-112.41	-77.47	-47.64	-622.70	-3050.05	-2290.95	-1381.81	-1125.33
1	4	113	-56.64	-185.55	-117.96	-124.24	-64.38	-1143.62	-2507.45	-1860.18	-1790.89	-681.04
1	4	114	-86.05	-208.65	-121.93	-172.77	-55.78	-1388.49	-2590.19	-1574.88	-2403.79	-435.03
1	4	115	-114.12	-220.72	-126.30	-208.55	-33.91	-1364.19	-2961.52	-1401.16	-2924.55	-240.17
1	4	116	-127.76	-225.15	-128.28	-224.63	-7.07	-1324.81	-3170.78	-1325.58	-3170.01	-37.65
1	4	117	-121.90	-222.73	-126.05	-218.58	20.02	-1315.02	-3087.93	-1333.27	-3069.67	178.97
1	4	118	-99.76	-210.88	-120.21	-190.44	43.06	-1291.14	-2763.25	-1409.89	-2644.51	400.88
1	4	119	-72.01	-185.06	-112.94	-144.14	54.33	-1099.90	-2469.37	-1540.44	-2028.83	639.71
1	4	120	-54.94	-140.50	-107.17	-88.27	41.73	-629.12	-2584.84	-1709.32	-1504.63	972.49
1	4	121	-30.12	-107.79	-107.71	-30.21	-2.59	-1183.74	-2315.21	-2206.23	-1292.72	333.82
1	4	122	5.67	-48.27	-47.86	5.25	-4.70	-509.16	-1821.62	-1720.91	-609.87	-349.34
1	4	123	19.53	-60.27	-60.17	19.43	2.83	-605.20	-1308.93	-1147.33	-766.80	295.99
1	4	124	-28.41	-119.34	-71.85	-75.91	45.42	-323.98	-2525.08	-1298.91	-1550.15	1093.36

1	4	125	-62.69	-174.38	-91.99	-145.07	49.13	-843.78	-3189.31	-1418.31	-2614.77	1008.71
1	4	126	-102.60	-215.72	-115.34	-202.98	35.76	-1223.69	-4055.44	-1423.93	-3855.21	725.90
1	4	127	-132.40	-238.09	-134.97	-235.51	16.30	-1389.21	-4755.46	-1424.06	-4720.61	340.76
1	4	128	-141.35	-243.15	-141.48	-243.03	-3.53	-1457.99	-5023.69	-1459.97	-5021.72	-83.96
1	4	129	-126.18	-231.39	-131.15	-226.43	-22.31	-1467.82	-4771.70	-1542.33	-4697.19	-490.54
1	4	130	-89.84	-201.48	-105.36	-185.96	-38.63	-1359.92	-4061.39	-1643.69	-3777.62	-828.29
1	4	131	-42.91	-151.17	-71.34	-122.74	-47.64	-922.92	-3177.61	-1669.93	-2430.60	-1061.25
1	4	132	-10.07	-81.27	-41.79	-49.55	-35.39	-187.02	-2358.54	-1330.41	-1215.16	-1084.23
1	4	133	16.99	-34.52	-34.21	16.68	3.98	-77.98	-993.94	-961.45	-110.47	-169.43
1	4	134	131.16	-48.61	49.54	33.00	89.50	91.14	-47.27	-9.36	53.22	61.73
1	4	135	49.40	-40.47	47.76	-38.84	-12.01	-561.43	-1217.59	-641.77	-1137.25	-215.08
1	4	136	-30.42	-128.41	-30.44	-128.39	-1.35	-1697.52	-3459.02	-1739.31	-3417.23	-268.08
1	4	137	-113.95	-194.53	-114.29	-194.20	5.22	-2106.38	-5565.16	-2122.76	-5548.79	-237.40
1	4	138	-174.80	-235.06	-175.51	-234.34	6.54	-2212.63	-7029.79	-2217.58	-7024.84	-154.31
1	4	139	-203.31	-250.57	-203.55	-250.33	3.37	-2210.30	-7637.44	-2210.49	-7637.25	-31.68
1	4	140	-194.89	-243.46	-194.91	-243.43	-1.10	-2152.58	-7327.91	-2155.25	-7325.25	117.42
1	4	141	-150.26	-212.02	-150.46	-211.81	-3.58	-1994.99	-6114.75	-2013.39	-6096.35	274.73
1	4	142	-75.92	-151.08	-75.96	-151.05	-1.70	-1552.02	-4120.76	-1618.25	-4054.52	407.13
1	4	143	1.55	-61.58	1.53	-61.56	-1.12	-476.17	-1723.93	-608.50	-1591.60	384.19
1	4	144	138.82	-57.88	20.95	60.00	-96.39	110.72	-106.09	93.39	-88.75	-58.80
1	9	1	117.64	-36.60	42.99	38.04	-77.08	66.41	28.50	51.47	43.44	18.53
1	9	2	34.57	-31.84	34.22	-31.50	4.76	-353.50	-1221.84	-563.22	-1012.12	371.65
1	9	3	-19.63	-101.83	-19.65	-101.82	-1.06	-1415.68	-2948.77	-1531.04	-2833.41	404.42
1	9	4	-80.25	-153.69	-80.59	-153.36	-4.95	-1864.69	-4540.68	-1897.11	-4508.26	292.75
1	9	5	-120.40	-184.34	-120.91	-183.83	-5.69	-1998.28	-5640.30	-2003.61	-5634.97	139.24
1	9	6	-137.88	-195.80	-138.29	-195.40	-4.81	-2010.97	-6080.13	-2011.15	-6079.95	-26.98
1	9	7	-130.82	-189.35	-131.03	-189.14	-3.48	-1944.26	-5809.95	-1953.54	-5800.66	-189.26
1	9	8	-99.31	-164.24	-99.45	-164.10	-3.04	-1757.39	-4842.02	-1794.36	-4805.05	-335.67
1	9	9	-46.28	-117.11	-46.58	-116.81	-4.57	-1277.01	-3274.01	-1379.89	-3171.12	-441.45
1	9	10	7.64	-46.57	6.83	-45.76	-6.58	-246.96	-1387.63	-420.47	-1214.12	-409.65
1	9	11	110.51	-39.33	27.66	43.52	74.50	181.33	-0.62	171.80	8.91	-40.53
1	9	12	19.16	-32.78	-32.75	19.14	-1.09	-326.63	-1283.77	-1087.55	-522.85	386.40
1	9	13	-18.53	-70.07	-43.59	-45.01	25.76	-146.97	-2513.28	-1365.42	-1294.83	1182.63
1	9	14	-34.58	-119.23	-57.05	-96.76	37.38	-781.69	-2939.27	-1576.33	-2144.63	1040.69
1	9	15	-62.50	-155.37	-73.29	-144.59	29.75	-1289.25	-3439.88	-1580.29	-3148.84	735.67
1	9	16	-85.30	-177.56	-87.91	-174.95	15.29	-1484.42	-3916.14	-1535.61	-3864.95	349.08
1	9	17	-94.52	-187.18	-94.53	-187.17	-0.81	-1491.09	-4149.07	-1492.10	-4148.06	-51.91
1	9	18	-87.92	-184.02	-90.96	-180.98	-16.81	-1374.94	-4035.59	-1456.68	-3953.85	-459.12
1	9	19	-67.38	-167.47	-78.41	-156.45	-31.33	-1101.98	-3611.12	-1413.18	-3299.92	-827.04
1	9	20	-39.79	-133.81	-61.93	-111.66	-39.89	-582.26	-3004.56	-1294.12	-2292.70	-1103.44
1	9	21	-19.86	-82.86	-45.66	-57.06	-30.98	-5.14	-2342.43	-1036.41	-1311.16	-1160.54
1	9	22	19.88	-36.95	-36.61	19.54	-4.38	-239.96	-947.48	-669.09	-518.35	-345.64
1	9	23	-35.05	-105.12	-104.52	-35.64	-6.43	-1365.95	-3157.08	-3047.70	-1475.33	428.89
1	9	24	-42.12	-119.84	-98.65	-63.31	34.61	-742.44	-3049.25	-2294.69	-1497.00	1082.25
1	9	25	-52.21	-140.61	-96.31	-96.51	44.20	-1246.57	-2548.57	-1964.02	-1831.12	647.60
1	9	26	-69.88	-153.91	-93.47	-130.32	37.76	-1564.09	-2426.56	-1745.65	-2245.00	351.60
1	9	27	-85.52	-162.00	-92.03	-155.48	21.36	-1594.21	-2577.53	-1605.50	-2566.24	104.76
1	9	28	-91.17	-166.48	-91.18	-166.47	0.97	-1519.71	-2691.97	-1526.00	-2685.68	-85.62
1	9	29	-85.19	-167.11	-90.20	-162.10	-19.64	-1422.29	-2636.40	-1492.37	-2566.32	-283.15
1	9	30	-70.50	-160.93	-89.52	-141.91	-36.85	-1260.43	-2468.92	-1498.07	-2231.27	-480.33
1	9	31	-53.94	-146.11	-89.86	-110.19	-44.95	-923.35	-2351.01	-1498.63	-1775.73	-700.25
1	9	32	-44.68	-120.47	-90.85	-74.31	-36.98	-467.20	-2461.39	-1618.90	-1309.69	-985.03
1	9	33	-44.43	-97.61	-97.31	-44.73	3.99	-1075.94	-2163.69	-2023.25	-1216.37	-364.74
1	9	34	-94.58	-159.32	-157.75	-96.15	-9.94	-1806.56	-4893.08	-4857.79	-1841.86	328.15
1	9	35	-73.13	-158.04	-148.73	-82.45	26.54	-1196.32	-3683.15	-3381.80	-1497.67	811.55
1	9	36	-73.69	-156.47	-134.21	-95.96	36.70	-1459.71	-2587.94	-2433.52	-1614.12	387.78
1	9	37	-86.73	-150.77	-120.12	-117.38	31.99	-1662.89	-1978.43	-1907.85	-1733.46	131.48
1	9	38	-100.51	-145.70	-110.08	-136.14	18.46	-1629.09	-1819.19	-1630.48	-1817.81	-16.17
1	9	39	-104.93	-145.31	-104.96	-145.29	0.94	-1482.20	-1851.30	-1502.36	-1831.15	-83.86
1	9	40	-99.04	-149.37	-105.40	-143.02	-16.72	-1412.45	-1826.17	-1480.97	-1757.65	-153.79
1	9	41	-87.54	-151.80	-110.76	-128.58	-30.87	-1338.97	-1840.84	-1571.95	-1607.87	-250.29
1	9	42	-77.40	-151.59	-119.88	-109.12	-36.70	-1149.96	-2101.66	-1836.32	-1415.31	-426.76
1	9	43	-79.82	-145.40	-130.80	-94.41	-27.28	-871.30	-2712.50	-2388.27	-1195.52	-701.31
1	9	44	-104.70	-139.26	-137.44	-106.52	7.70	-1337.58	-3267.48	-3230.63	-1374.42	-264.11
1	9	45	-136.16	-191.87	-189.93	-138.09	-10.21	-1942.88	-6138.56	-6130.25	-1951.19	186.57
1	9	46	-97.14	-183.52	-181.55	-99.11	12.89	-1370.25	-4267.27	-4189.08	-1448.44	469.48
1	9	47	-90.14	-168.53	-162.46	-96.21	20.95	-1439.49	-2840.19	-2813.51	-1466.17	191.48
1	9	48	-99.93	-151.62	-143.47	-108.08	18.84	-1449.30	-2032.96	-2031.60	-1450.66	28.14
1	9	49	-113.70	-136.34	-128.36	-121.68	10.81	-1404.66	-1637.58	-1627.18	-1415.06	-48.11
1	9	50	-121.15	-129.25	-121.15	-129.25	-6.74e-02	-1336.04	-1487.58	-1453.57	-1370.05	-63.23
1	9	51	-113.86	-136.67	-122.03	-128.50	-10.93	-1281.08	-1483.35	-1447.64	-1316.80	-77.12
1	9	52	-104.51	-144.45	-129.76	-119.20	-19.26	-1219.26	-1656.76	-1622.39	-1253.63	-117.71
1	9	53	-98.58	-153.43	-142.42	-109.59	-21.97	-1121.13	-2118.94	-2066.37	-1173.70	-222.93
1	9	54	-107.42	-159.61	-155.20	-111.83	-14.52	-990.96	-2984.17	-2902.64	-1072.50	-394.80
1	9	55	-144.05	-162.74	-159.81	-146.98	6.79	-1360.52	-4037.46	-4029.62	-1368.36	-144.62
1	9	56	-156.58	-206.38	-205.30	-157.66	-7.24	-1963.25	-6739.15	-6738.95	-1963.45	30.76
1	9	57	-107.67	-196.38	-196.34	-107.71	-1.77	-1396.24	-4583.18	-4580.16	-1399.26	98.07
1	9	58	-96.51	-176.78	-176.72	-96.57	2.23	-1373.19	-2997.90	-2997.69	-1373.41	18.70
1	9	59	-103.30	-155.87	-155.76	-103.41	2.38	-1303.25	-2084.73	-2083.97	-1304.01	-24.37

1	9	60	-114.42	-138.88	-138.85	-114.46	0.88	-1216.43	-1614.13	-1610.33	-1220.23	-38.71
1	9	61	-120.97	-131.19	-130.95	-121.21	-1.55	-1147.29	-1415.25	-1411.15	-1151.39	-32.87
1	9	62	-120.09	-132.78	-131.51	-121.37	-3.82	-1104.08	-1416.03	-1414.02	-1106.10	-25.00
1	9	63	-113.68	-141.16	-140.07	-114.77	-5.36	-1075.77	-1635.56	-1634.44	-1076.89	-25.00
1	9	64	-109.72	-154.40	-153.68	-110.45	-5.64	-1039.29	-2171.31	-2169.57	-1041.04	-44.37
1	9	65	-120.81	-165.53	-165.40	-120.93	-2.38	-977.41	-3142.79	-3139.02	-981.18	-90.29
1	9	66	-164.68	-171.00	-170.21	-165.47	2.09	-1309.39	-4391.88	-4391.62	-1309.65	-28.11
1	9	67	-154.19	-206.90	-206.31	-154.78	-5.55	-1918.44	-6655.23	-6652.06	-1921.60	-122.37
1	9	68	-104.10	-196.43	-194.68	-105.85	-12.57	-1325.38	-4524.21	-4498.74	-1350.85	-284.29
1	9	69	-92.18	-178.91	-175.45	-95.64	-16.98	-1307.58	-2954.31	-2939.57	-1322.33	-155.12
1	9	70	-99.80	-158.58	-154.56	-103.82	-14.84	-1249.44	-2051.90	-2046.25	-1255.09	-67.13
1	9	71	-111.94	-141.47	-137.85	-115.57	-9.69	-1176.55	-1584.48	-1583.41	-1177.62	-20.84
1	9	72	-121.36	-130.83	-129.54	-122.65	-3.26	-1114.77	-1387.29	-1387.28	-1114.77	-1.51
1	9	73	-121.55	-131.93	-130.64	-122.84	3.43	-1071.85	-1388.30	-1387.23	-1072.93	18.41
1	9	74	-112.71	-141.97	-139.01	-115.67	8.82	-1040.05	-1604.50	-1599.10	-1045.45	54.94
1	9	75	-107.44	-155.27	-152.75	-109.97	10.69	-999.05	-2134.13	-2120.37	-1012.82	124.23
1	9	76	-118.79	-164.99	-164.32	-119.46	5.53	-935.55	-3101.31	-3079.43	-957.43	216.61
1	9	77	-163.25	-172.27	-172.07	-163.45	-1.33	-1293.70	-4343.34	-4340.61	-1296.42	91.09
1	9	78	-142.01	-189.45	-189.44	-142.01	0.48	-1836.85	-6218.90	-6207.80	-1847.95	-220.31
1	9	79	-91.39	-194.80	-188.78	-97.41	-24.22	-1231.24	-4279.89	-4191.89	-1319.24	-510.42
1	9	80	-85.26	-175.73	-165.72	-95.28	-28.38	-1262.54	-2823.77	-2778.74	-1307.56	-261.28
1	9	81	-94.72	-157.87	-145.88	-106.71	-24.77	-1259.93	-1992.09	-1978.04	-1273.99	-100.48
1	9	82	-109.34	-142.39	-131.24	-120.49	-15.63	-1229.75	-1564.63	-1563.23	-1231.15	-21.59
1	9	83	-121.44	-130.59	-123.66	-128.38	-3.92	-1187.77	-1384.37	-1383.45	-1188.69	13.39
1	9	84	-118.06	-134.60	-124.48	-128.18	8.06	-1137.04	-1384.79	-1375.34	-1146.50	47.47
1	9	85	-106.84	-144.43	-132.17	-119.10	17.62	-1077.13	-1578.40	-1553.69	-1101.84	108.51
1	9	86	-100.01	-155.05	-145.04	-110.02	21.23	-995.57	-2062.85	-2010.91	-1047.51	229.64
1	9	87	-106.34	-166.88	-162.07	-111.16	16.38	-898.72	-2959.22	-2877.98	-979.96	400.99
1	9	88	-146.95	-164.06	-158.60	-152.41	-7.98	-1284.71	-4076.21	-4065.95	-1294.97	168.90
1	9	89	-128.75	-188.91	-188.62	-129.04	-4.21	-1794.13	-5863.03	-5845.80	-1811.36	-264.18
1	9	90	-82.28	-186.55	-175.53	-93.31	-32.07	-1171.60	-4108.53	-3962.27	-1317.86	-638.88
1	9	91	-78.23	-174.15	-158.07	-94.30	-35.83	-1247.58	-2733.08	-2659.04	-1321.62	-323.27
1	9	92	-90.64	-157.95	-139.66	-108.92	-29.94	-1289.21	-1955.03	-1931.00	-1313.23	-124.18
1	9	93	-106.90	-143.45	-126.07	-124.29	-18.25	-1294.14	-1555.67	-1553.15	-1296.66	-25.57
1	9	94	-118.15	-133.64	-119.03	-132.76	-3.59	-1265.04	-1389.83	-1385.89	-1268.98	21.80
1	9	95	-112.75	-138.78	-119.39	-132.14	11.34	-1198.74	-1397.85	-1371.71	-1224.88	67.24
1	9	96	-100.62	-147.87	-126.96	-121.53	23.47	-1114.78	-1574.50	-1524.26	-1165.01	143.42
1	9	97	-91.07	-157.02	-138.94	-109.14	29.41	-1001.10	-2022.61	-1930.91	-1092.80	292.00
1	9	98	-95.87	-161.79	-150.70	-106.96	24.66	-871.58	-2870.09	-2730.40	-1011.27	509.57
1	9	99	-139.62	-161.93	-161.64	-139.91	-2.53	-1294.74	-3854.63	-3839.70	-1309.67	194.97
1	9	100	-80.28	-149.55	-149.42	-80.41	-2.95	-1549.44	-4453.14	-4401.61	-1600.96	-383.34
1	9	101	-56.23	-155.80	-136.17	-75.86	-39.61	-911.27	-3469.09	-3064.26	-1316.10	-933.60
1	9	102	-59.95	-161.23	-127.26	-93.92	-47.82	-1185.02	-2476.96	-2236.03	-1425.95	-503.21
1	9	103	-76.81	-158.36	-116.78	-118.40	-40.77	-1422.75	-1937.44	-1779.85	-1580.33	-237.22
1	9	104	-95.19	-153.23	-108.87	-139.56	-24.64	-1497.99	-1742.27	-1530.03	-1710.23	-82.47
1	9	105	-104.27	-150.39	-104.64	-150.02	-4.13	-1402.51	-1759.07	-1404.59	-1756.99	27.16
1	9	106	-98.67	-153.38	-104.34	-147.72	16.67	-1322.71	-1742.33	-1371.12	-1693.92	134.05
1	9	107	-84.34	-155.91	-107.84	-132.40	33.61	-1211.77	-1757.93	-1435.81	-1533.90	268.64
1	9	108	-70.37	-153.63	-114.34	-109.67	41.56	-988.47	-1991.00	-1650.77	-1328.70	474.69
1	9	109	-68.22	-141.19	-120.27	-89.14	32.99	-718.63	-2560.89	-2133.17	-1146.35	777.83
1	9	110	-90.74	-133.32	-132.87	-91.19	-4.36	-1220.90	-2959.10	-2905.32	-1274.68	300.97
1	9	111	-22.07	-86.41	-86.25	-22.23	-3.20	-950.64	-2656.15	-2528.20	-1078.59	-449.28
1	9	112	-30.54	-111.46	-86.22	-55.77	-37.49	-411.59	-2791.04	-1975.33	-1227.30	-1129.41
1	9	113	-41.79	-140.09	-89.44	-92.44	-49.13	-937.43	-2468.78	-1781.29	-1624.92	-761.67
1	9	114	-65.66	-156.92	-92.29	-130.29	-41.48	-1330.88	-2442.19	-1625.09	-2147.97	-490.31
1	9	115	-87.55	-166.28	-95.55	-158.28	-23.78	-1445.81	-2622.46	-1498.40	-2569.87	-243.14
1	9	116	-97.02	-171.16	-97.10	-171.08	-2.46	-1410.27	-2751.55	-1410.30	-2751.52	6.21
1	9	117	-90.87	-171.34	-95.50	-166.70	18.75	-1311.75	-2692.36	-1361.92	-2642.20	258.34
1	9	118	-72.94	-164.35	-91.19	-146.11	36.53	-1127.64	-2483.73	-1348.87	-2262.50	501.07
1	9	119	-51.66	-145.08	-85.79	-110.95	44.98	-784.13	-2300.14	-1362.32	-1721.96	736.37
1	9	120	-40.03	-110.48	-81.38	-69.14	34.69	-312.60	-2302.81	-1365.39	-1250.02	993.43
1	9	121	-27.58	-82.31	-82.30	-27.59	0.46	-850.05	-1807.49	-1636.41	-1021.14	366.79
1	9	122	8.50	-36.09	-35.59	8.00	-4.71	-318.52	-1491.47	-1330.23	-479.76	-403.89
1	9	123	13.32	-45.43	-44.98	12.87	5.11	-328.05	-1043.70	-823.17	-548.58	330.44
1	9	124	-17.89	-94.35	-53.61	-58.63	38.15	-39.97	-2213.16	-1014.99	-1238.14	1080.85
1	9	125	-43.48	-137.01	-69.23	-111.26	41.78	-534.55	-2756.26	-1189.77	-2101.04	1013.11
1	9	126	-74.59	-168.09	-87.07	-155.61	31.80	-1019.98	-3360.99	-1286.31	-3094.65	743.35
1	9	127	-98.52	-183.33	-102.00	-179.85	16.81	-1281.33	-3843.02	-1337.73	-3786.62	375.90
1	9	128	-106.83	-185.38	-106.85	-185.36	1.27	-1402.45	-4030.05	-1402.86	-4029.64	-32.72
1	9	129	-96.32	-175.00	-98.83	-172.50	-13.81	-1407.01	-3854.94	-1486.22	-3775.73	-433.17
1	9	130	-68.77	-151.37	-79.08	-141.06	-27.30	-1222.39	-3381.13	-1555.37	-3048.15	-779.71
1	9	131	-32.20	-113.05	-53.10	-92.15	-35.40	-692.34	-2803.48	-1521.12	-1974.69	-1030.92
1	9	132	-5.12	-60.68	-31.00	-34.80	-27.71	10.89	-2141.02	-1139.95	-990.17	-1073.34
1	9	133	15.31	-26.17	-26.00	15.14	2.64	48.89	-802.96	-734.73	-19.35	-231.23
1	9	134	104.22	-34.72	40.60	28.90	69.22	125.05	33.81	34.48	124.39	-7.76
1	9	135	39.82	-28.62	38.55	-27.35	-9.25	-393.92	-982.34	-534.14	-842.12	-250.70
1	9	136	-21.36	-97.09	-21.37	-97.08	0.61	-1452.37	-2658.90	-1521.62	-2589.65	-280.64
1	9	137	-84.38	-148.51	-85.17	-147.72	7.08	-1858.19	-4254.72	-1880.61	-4232.30	-230.70
1	9	138	-130.44	-180.50	-132.15	-178.79	9.10	-1951.75	-5370.98	-1956.78	-5365.96	-130.93

1	9	139	-152.60	-192.64	-153.98	-191.26	7.31	-1926.84	-5834.53	-1926.84	-5834.53	0.32
1	9	140	-147.20	-186.55	-147.65	-186.10	4.17	-1839.82	-5597.09	-1845.72	-5591.19	148.75
1	9	141	-113.56	-162.00	-113.66	-161.90	2.23	-1656.85	-4672.36	-1686.70	-4642.51	298.52
1	9	142	-56.35	-116.06	-56.52	-115.89	3.20	-1206.88	-3165.37	-1301.63	-3070.62	420.22
1	9	143	3.06	-47.52	2.95	-47.41	2.38	-239.56	-1342.63	-413.94	-1168.24	402.43
1	9	144	105.59	-40.58	19.19	45.82	-71.86	167.38	18.43	165.47	20.35	16.80
1	16	1	110.85	-36.35	39.90	34.60	-73.55	243.63	-27.09	116.69	99.85	-135.09
1	16	2	32.34	-36.07	31.04	-34.77	9.34	-338.47	-1003.02	-413.38	-928.10	210.17
1	16	3	-24.88	-104.60	-25.26	-104.23	5.43	-1193.73	-2763.71	-1240.02	-2717.42	265.58
1	16	4	-86.82	-154.95	-86.92	-154.85	2.62	-1519.95	-4382.31	-1536.77	-4365.49	218.75
1	16	5	-130.05	-185.02	-130.16	-184.91	2.52	-1646.73	-5489.36	-1651.85	-5484.24	140.15
1	16	6	-147.32	-196.47	-147.66	-196.13	4.08	-1702.45	-5935.89	-1702.91	-5935.43	43.94
1	16	7	-139.35	-190.23	-139.99	-189.59	5.69	-1703.82	-5674.62	-1704.77	-5673.68	-61.28
1	16	8	-107.06	-164.26	-107.67	-163.64	5.90	-1608.30	-4714.01	-1616.85	-4705.46	-162.70
1	16	9	-53.67	-115.87	-53.85	-115.69	3.37	-1286.28	-3150.31	-1318.05	-3118.54	-241.26
1	16	10	1.24	-44.29	1.21	-44.25	-1.25	-405.32	-1261.94	-469.58	-1197.69	-225.63
1	16	11	113.24	-44.29	23.27	45.68	77.97	151.83	-110.58	78.20	-36.95	117.90
1	16	12	13.49	-33.94	-33.78	13.33	2.75	-320.52	-1034.40	-959.44	-395.49	218.86
1	16	13	-16.35	-77.68	-44.49	-49.54	30.56	-120.01	-2106.47	-1128.73	-1097.76	993.11
1	16	14	-32.17	-128.49	-60.56	-100.10	43.92	-602.26	-2475.81	-1196.70	-1881.37	871.98
1	16	15	-62.14	-163.41	-78.53	-147.02	37.29	-936.81	-3064.43	-1156.46	-2844.78	647.37
1	16	16	-87.72	-182.75	-93.79	-176.68	23.24	-1072.00	-3605.74	-1127.78	-3549.95	371.81
1	16	17	-99.95	-188.77	-100.58	-188.13	7.48	-1133.51	-3848.11	-1134.04	-3847.58	38.01
1	16	18	-95.93	-182.23	-96.76	-181.40	-8.41	-1130.53	-3723.64	-1165.56	-3688.61	-299.32
1	16	19	-76.71	-162.20	-83.61	-155.30	-23.29	-1017.24	-3267.77	-1198.36	-3086.65	-612.22
1	16	20	-48.56	-127.62	-66.28	-109.90	-32.97	-707.89	-2658.01	-1212.86	-2153.04	-854.26
1	16	21	-25.04	-78.58	-49.35	-54.28	-26.66	-228.78	-2127.19	-1057.62	-1298.35	-941.54
1	16	22	25.19	-39.67	-39.61	25.14	-1.86	-428.54	-819.24	-716.97	-530.81	-171.75
1	16	23	-46.07	-105.10	-105.01	-46.16	-2.34	-1164.18	-2902.44	-2859.00	-1207.62	271.33
1	16	24	-42.89	-127.17	-99.47	-70.59	39.59	-571.30	-2540.54	-1962.32	-1149.53	896.84
1	16	25	-49.61	-150.72	-98.56	-101.77	50.53	-920.13	-1872.96	-1432.76	-1360.33	475.03
1	16	26	-67.06	-163.98	-96.97	-134.07	44.77	-1048.84	-1809.06	-1153.76	-1704.14	262.20
1	16	27	-84.74	-169.25	-95.88	-158.11	28.59	-1011.39	-2028.15	-1032.72	-2006.82	145.72
1	16	28	-94.16	-169.03	-95.04	-168.15	8.07	-1018.62	-2151.49	-1018.70	-2151.40	9.70
1	16	29	-91.44	-164.18	-93.78	-161.85	-12.83	-1063.41	-2105.82	-1076.43	-2092.80	-115.77
1	16	30	-77.64	-155.40	-92.58	-140.46	-30.63	-1099.10	-1934.37	-1186.77	-1846.71	-256.01
1	16	31	-59.02	-140.42	-92.34	-107.11	-40.02	-1002.13	-1896.66	-1397.56	-1501.23	-444.25
1	16	32	-44.36	-117.31	-92.88	-68.79	-34.43	-672.04	-2251.72	-1656.97	-1266.79	-765.37
1	16	33	-33.39	-99.25	-98.86	-33.78	5.03	-1175.31	-2114.58	-2070.79	-1219.10	-198.02
1	16	34	-109.56	-157.27	-156.59	-110.24	-5.67	-1479.51	-4633.79	-4617.85	-1495.45	223.67
1	16	35	-78.01	-162.93	-148.90	-92.04	31.54	-867.39	-3207.27	-2980.55	-1094.11	692.18
1	16	36	-73.51	-164.42	-135.08	-102.85	42.50	-974.02	-1893.68	-1800.49	-1067.20	277.51
1	16	37	-84.55	-160.37	-122.53	-122.39	37.91	-1062.23	-1245.02	-1203.04	-1104.20	76.88
1	16	38	-98.18	-153.98	-112.57	-139.59	24.42	-943.44	-1166.78	-945.76	-1164.47	22.62
1	16	39	-106.24	-148.41	-107.32	-147.33	6.66	-893.83	-1205.24	-894.23	-1204.84	-11.19
1	16	40	-103.54	-145.42	-107.03	-141.93	-11.58	-977.17	-1205.51	-982.00	-1200.69	-32.83
1	16	41	-91.72	-146.79	-111.92	-126.59	-26.54	-1079.74	-1272.21	-1198.47	-1153.49	-93.57
1	16	42	-78.37	-147.54	-121.07	-104.84	-33.62	-984.85	-1696.18	-1594.05	-1086.98	-249.43
1	16	43	-74.70	-144.08	-132.26	-86.52	-26.09	-848.80	-2534.10	-2328.39	-1054.52	-551.70
1	16	44	-91.60	-140.19	-138.91	-92.88	7.79	-1291.24	-3291.55	-3280.17	-1302.62	-150.43
1	16	45	-153.55	-189.37	-188.49	-154.43	-5.56	-1591.29	-5867.37	-5862.39	-1596.27	145.96
1	16	46	-106.13	-184.81	-180.63	-110.32	17.66	-976.13	-3817.15	-3751.80	-1041.49	425.91
1	16	47	-94.40	-172.59	-162.84	-104.15	25.83	-893.46	-2148.80	-2129.73	-912.53	153.53
1	16	48	-100.88	-156.80	-143.99	-113.69	23.50	-810.76	-1269.76	-1269.27	-811.26	15.07
1	16	49	-112.49	-142.99	-129.99	-125.49	15.08	-748.61	-887.06	-885.63	-750.03	-13.96
1	16	50	-120.72	-132.90	-122.15	-131.47	3.92	-728.41	-799.27	-795.36	-732.32	-16.18
1	16	51	-116.78	-132.76	-122.21	-127.33	-7.57	-749.74	-910.16	-909.54	-750.36	-9.95
1	16	52	-105.32	-141.54	-130.16	-116.70	-16.82	-789.67	-1225.17	-1222.10	-792.74	-36.42
1	16	53	-95.48	-151.93	-143.13	-104.29	-20.48	-823.81	-1827.54	-1808.70	-842.65	-136.22
1	16	54	-98.75	-159.96	-156.39	-102.32	-14.36	-828.87	-2895.09	-2842.52	-881.44	-325.35
1	16	55	-130.38	-162.41	-161.17	-131.62	6.18	-1210.72	-4090.37	-4087.40	-1213.70	-92.47
1	16	56	-174.82	-203.87	-203.67	-175.03	-2.41	-1630.22	-6464.71	-6464.09	-1630.84	54.81
1	16	57	-119.63	-194.61	-194.52	-119.72	2.63	-1012.95	-4141.85	-4136.96	-1017.85	123.67
1	16	58	-104.46	-177.26	-176.76	-104.96	5.99	-851.49	-2309.58	-2308.31	-852.76	43.02
1	16	59	-108.61	-156.54	-155.90	-109.25	5.50	-702.22	-1314.56	-1314.55	-702.22	1.80
1	16	60	-117.87	-140.43	-139.94	-118.35	3.26	-595.07	-862.45	-862.15	-595.36	-8.88
1	16	61	-123.44	-130.77	-130.75	-123.46	0.41	-553.95	-749.84	-749.22	-554.57	-11.00
1	16	62	-119.58	-131.78	-131.23	-120.13	-2.54	-579.12	-877.25	-876.91	-579.46	-10.00
1	16	63	-111.20	-140.96	-140.14	-112.02	-4.88	-652.24	-1240.74	-1240.21	-652.76	-17.61
1	16	64	-103.89	-154.62	-153.98	-104.54	-5.67	-739.75	-1923.10	-1921.35	-741.50	-45.56
1	16	65	-110.33	-166.50	-166.33	-110.50	-3.05	-809.85	-3092.32	-3088.38	-813.80	-94.80
1	16	66	-148.88	-171.46	-171.41	-148.93	1.05	-1175.53	-4458.30	-4458.02	-1175.81	-30.23
1	16	67	-172.37	-204.66	-204.60	-172.43	-1.43	-1620.80	-6388.18	-6387.76	-1621.22	-44.71
1	16	68	-116.85	-193.77	-192.71	-117.91	-8.98	-994.86	-4087.37	-4075.80	-1006.43	-188.80
1	16	69	-101.12	-178.11	-175.27	-103.95	-14.50	-848.92	-2286.26	-2283.96	-851.22	-57.43
1	16	70	-105.83	-158.12	-154.40	-109.54	-13.44	-712.06	-1314.74	-1314.74	-712.06	-0.31
1	16	71	-115.68	-142.31	-138.62	-119.36	-9.20	-616.65	-873.85	-873.78	-616.72	4.24
1	16	72	-123.24	-131.63	-130.01	-124.86	-3.31	-583.16	-763.29	-763.17	-583.29	-4.81
1	16	73	-120.66	-130.60	-129.79	-121.47	2.72	-608.63	-887.33	-886.62	-609.35	-14.07

1	16	74	-110.86	-140.67	-138.63	-112.89	7.52	-678.27	-1239.29	-1239.25	-678.32	-5.10
1	16	75	-102.25	-154.38	-152.65	-103.98	9.34	-758.74	-1903.42	-1901.88	-760.28	41.93
1	16	76	-108.47	-165.29	-164.97	-108.79	4.22	-815.04	-3053.31	-3044.69	-823.67	138.68
1	16	77	-145.86	-173.23	-172.96	-146.12	-2.67	-1191.22	-4413.28	-4413.00	-1191.49	29.81
1	16	78	-159.06	-188.34	-187.81	-159.59	3.89	-1571.40	-5961.45	-5958.70	-1574.15	-109.85
1	16	79	-103.59	-193.52	-188.07	-109.04	-21.46	-956.31	-3844.51	-3794.43	-1006.39	-377.03
1	16	80	-93.20	-175.52	-165.45	-103.27	-26.98	-865.96	-2175.57	-2162.97	-878.57	-127.84
1	16	81	-99.35	-159.60	-146.76	-112.18	-24.67	-781.84	-1291.71	-1291.32	-782.24	-14.15
1	16	82	-111.00	-145.03	-131.91	-124.12	-16.57	-726.35	-898.71	-898.54	-726.52	5.37
1	16	83	-120.87	-133.67	-124.01	-130.52	-5.51	-714.60	-802.20	-801.93	-714.87	-4.86
1	16	84	-119.15	-131.33	-123.76	-126.72	5.91	-737.15	-914.81	-913.52	-738.44	-15.11
1	16	85	-107.10	-140.87	-131.51	-116.46	15.12	-784.38	-1228.07	-1227.93	-784.51	7.78
1	16	86	-96.79	-152.17	-144.68	-104.28	18.94	-825.01	-1830.07	-1819.97	-835.12	100.26
1	16	87	-97.49	-165.80	-162.55	-100.74	14.54	-835.11	-2895.44	-2855.91	-874.64	282.64
1	16	88	-131.36	-162.51	-159.22	-134.65	-9.57	-1211.57	-4142.77	-4140.75	-1213.58	76.79
1	16	89	-145.51	-187.05	-187.04	-145.52	-0.67	-1561.23	-5614.29	-5610.24	-1565.29	-128.10
1	16	90	-93.39	-185.01	-174.19	-104.20	-29.56	-945.88	-3672.14	-3585.19	-1032.83	-479.04
1	16	91	-84.67	-174.75	-157.73	-101.69	-35.26	-910.12	-2098.83	-2074.98	-933.97	-166.68
1	16	92	-93.52	-160.93	-140.48	-113.97	-30.99	-870.12	-1281.50	-1279.87	-871.75	-25.86
1	16	93	-106.68	-147.67	-126.69	-127.66	-20.49	-847.33	-924.53	-924.52	-847.34	0.88
1	16	94	-116.92	-137.23	-119.36	-134.79	-6.61	-834.57	-855.89	-838.53	-851.93	-8.29
1	16	95	-115.43	-134.74	-119.40	-130.77	7.80	-867.98	-944.20	-940.64	-871.54	-16.08
1	16	96	-102.52	-142.84	-126.13	-119.23	19.87	-895.91	-1225.56	-1224.85	-896.62	15.28
1	16	97	-89.79	-152.62	-138.48	-103.93	26.24	-899.48	-1780.89	-1760.80	-919.58	131.56
1	16	98	-89.12	-159.33	-151.29	-97.16	22.36	-860.18	-2788.48	-2717.32	-931.34	363.54
1	16	99	-122.20	-162.59	-162.14	-122.65	-4.24	-1248.91	-3918.37	-3915.97	-1251.32	80.03
1	16	100	-94.66	-147.88	-147.88	-94.66	1.76e-02	-1399.54	-4230.14	-4213.21	-1416.48	-218.30
1	16	101	-64.84	-155.91	-135.47	-85.28	-37.99	-804.95	-3031.04	-2752.51	-1083.48	-736.51
1	16	102	-63.21	-164.33	-127.38	-100.16	-48.70	-987.64	-1877.28	-1749.29	-1115.63	-312.22
1	16	103	-76.48	-163.75	-117.54	-122.68	-43.56	-1110.49	-1354.74	-1236.74	-1228.49	-122.05
1	16	104	-92.86	-159.11	-109.50	-142.47	-28.73	-999.13	-1366.29	-1008.63	-1356.79	-58.30
1	16	105	-103.32	-153.72	-105.06	-151.98	-9.21	-954.37	-1437.02	-955.69	-1435.71	-25.17
1	16	106	-101.81	-150.28	-104.50	-147.59	11.09	-1024.39	-1431.20	-1024.99	-1430.61	15.55
1	16	107	-88.74	-149.71	-107.76	-130.69	28.25	-1158.13	-1392.42	-1205.83	-1344.73	94.34
1	16	108	-72.62	-147.24	-114.25	-105.62	37.06	-1067.40	-1684.32	-1533.37	-1218.35	265.21
1	16	109	-64.67	-136.80	-120.62	-80.85	30.09	-836.14	-2410.37	-2140.45	-1106.06	593.35
1	16	110	-74.82	-133.78	-133.11	-75.50	-6.26	-1298.60	-2996.02	-2981.14	-1313.47	158.21
1	16	111	-33.65	-85.92	-85.89	-33.68	-1.24	-934.80	-2425.68	-2381.25	-979.24	-253.52
1	16	112	-34.76	-113.25	-85.40	-62.61	-37.55	-445.36	-2381.01	-1742.15	-1084.22	-910.20
1	16	113	-41.69	-145.76	-90.15	-97.30	-51.91	-867.39	-1973.86	-1419.97	-1421.27	-553.23
1	16	114	-62.83	-164.09	-93.00	-133.93	-46.31	-1059.28	-2073.87	-1218.08	-1915.07	-368.65
1	16	115	-84.36	-172.90	-96.28	-160.98	-30.23	-1070.39	-2377.55	-1110.20	-2337.74	-224.61
1	16	116	-96.52	-174.29	-97.82	-172.99	-9.99	-1078.32	-2548.74	-1081.25	-2545.81	-65.57
1	16	117	-94.57	-169.59	-96.19	-167.97	10.89	-1106.27	-2491.02	-1115.23	-2482.06	111.01
1	16	118	-78.98	-157.89	-91.79	-145.08	29.10	-1110.82	-2243.42	-1194.80	-2159.45	296.74
1	16	119	-57.06	-137.71	-86.29	-108.49	38.77	-954.40	-2022.20	-1298.34	-1678.26	498.96
1	16	120	-40.63	-104.95	-82.23	-63.36	30.74	-544.93	-2129.76	-1424.90	-1249.79	787.57
1	16	121	-14.15	-82.51	-82.46	-14.21	-2.02	-1010.62	-1773.53	-1713.18	-1070.97	205.91
1	16	122	-0.63	-37.08	-36.66	-1.04	-3.85	-410.27	-1302.14	-1254.81	-457.60	-199.92
1	16	123	20.92	-46.44	-46.40	20.87	1.77	-527.96	-997.46	-896.46	-628.95	192.92
1	16	124	-22.59	-88.45	-55.45	-55.58	32.93	-268.31	-2088.77	-1096.02	-1261.05	906.48
1	16	125	-51.35	-129.67	-70.80	-110.22	33.84	-732.71	-2582.65	-1209.07	-2106.29	808.89
1	16	126	-81.65	-162.20	-88.56	-155.29	22.56	-1028.48	-3229.60	-1184.99	-3073.08	565.69
1	16	127	-102.67	-181.85	-103.31	-181.21	7.10	-1145.55	-3762.10	-1168.99	-3738.66	246.55
1	16	128	-107.04	-188.00	-107.90	-187.14	-8.32	-1172.08	-3964.52	-1175.55	-3961.06	-98.33
1	16	129	-93.31	-180.84	-99.60	-174.56	-22.60	-1147.86	-3765.77	-1217.59	-3696.04	-421.53
1	16	130	-64.43	-158.79	-79.57	-143.66	-34.63	-1035.48	-3210.82	-1277.04	-2969.26	-683.47
1	16	131	-28.68	-120.20	-53.50	-95.38	-40.69	-677.33	-2515.37	-1281.50	-1911.20	-863.40
1	16	132	-5.46	-65.25	-30.74	-39.97	-29.54	-88.11	-1877.22	-1007.43	-957.89	-894.21
1	16	133	10.06	-24.71	-24.59	9.94	2.04	-48.03	-677.41	-666.54	-58.90	-81.99
1	16	134	100.46	-35.56	39.59	25.30	67.63	156.99	-48.54	69.74	38.71	101.59
1	16	135	40.77	-33.35	38.50	-31.08	-12.78	-403.66	-886.13	-440.31	-849.48	-127.82
1	16	136	-20.22	-99.93	-20.71	-99.44	-6.23	-1304.06	-2626.34	-1326.18	-2604.21	-169.61
1	16	137	-85.23	-150.32	-85.28	-150.27	-1.81	-1616.25	-4246.51	-1626.35	-4236.41	-162.70
1	16	138	-133.00	-181.07	-133.01	-181.06	-0.81	-1710.34	-5374.73	-1714.45	-5370.62	-122.62
1	16	139	-155.24	-193.45	-155.50	-193.19	-3.14	-1726.86	-5843.14	-1727.45	-5842.55	-49.09
1	16	140	-148.81	-188.72	-149.85	-187.68	-6.36	-1703.28	-5606.24	-1703.92	-5605.59	50.24
1	16	141	-115.34	-164.40	-116.63	-163.11	-7.84	-1601.73	-4673.27	-1610.31	-4664.69	162.08
1	16	142	-59.56	-116.01	-60.12	-115.45	-5.57	-1281.90	-3135.54	-1320.15	-3097.29	263.52
1	16	143	-0.37	-46.10	-0.64	-45.84	-3.47	-414.68	-1300.48	-501.74	-1213.42	263.70
1	16	144	110.35	-44.68	15.99	49.69	-75.66	119.73	-111.61	61.73	-53.61	-100.27
1	48	1	112.17	-36.39	40.56	35.22	-74.23	201.32	-9.42	104.19	87.71	-105.05
1	48	2	32.85	-35.21	31.77	-34.14	8.48	-345.91	-1043.32	-443.29	-945.94	241.73
1	48	3	-23.76	-103.98	-23.98	-103.76	4.26	-1241.45	-2798.77	-1298.54	-2741.68	292.65
1	48	4	-85.48	-154.58	-85.50	-154.56	1.25	-1589.74	-4414.44	-1609.09	-4395.09	232.99
1	48	5	-128.15	-184.71	-128.17	-184.70	1.01	-1717.30	-5520.54	-1722.44	-5515.40	139.73
1	48	6	-145.56	-196.10	-145.68	-195.98	2.44	-1764.65	-5965.52	-1764.86	-5965.30	29.83
1	48	7	-137.83	-189.80	-138.14	-189.49	4.00	-1753.05	-5701.88	-1754.95	-5699.98	-86.64
1	48	8	-105.70	-164.03	-106.01	-163.72	4.24	-1640.35	-4738.79	-1652.92	-4726.22	-196.91

1	48	9	-52.37	-115.95	-52.43	-115.89	1.89	-1288.65	-3172.56	-1331.48	-3129.73	-280.81
1	48	10	2.40	-44.63	2.30	-44.52	-2.26	-377.66	-1284.76	-460.95	-1201.47	-261.95
1	48	11	112.74	-43.31	24.12	45.30	77.30	140.56	-72.83	96.02	-28.29	86.72
1	48	12	14.45	-33.63	-33.55	14.37	1.96	-325.82	-1080.70	-984.57	-421.95	251.65
1	48	13	-16.77	-76.17	-44.26	-48.68	29.62	-126.72	-2187.39	-1175.90	-1138.21	1030.17
1	48	14	-32.55	-126.69	-59.80	-99.45	42.69	-640.64	-2567.37	-1272.79	-1935.22	904.64
1	48	15	-62.14	-161.80	-77.41	-146.54	35.90	-1008.85	-3139.44	-1241.41	-2906.87	664.39
1	48	16	-87.22	-181.65	-92.54	-176.33	21.77	-1154.73	-3669.12	-1209.56	-3614.29	367.24
1	48	17	-98.91	-188.30	-99.31	-187.90	5.94	-1205.81	-3909.19	-1205.96	-3909.04	20.15
1	48	18	-94.41	-182.44	-95.55	-181.30	-9.96	-1181.50	-3785.77	-1224.24	-3743.03	-330.90
1	48	19	-74.92	-163.11	-82.54	-155.49	-24.78	-1037.28	-3335.31	-1241.95	-3130.63	-654.57
1	48	20	-46.87	-128.75	-65.40	-110.22	-34.27	-685.34	-2727.29	-1230.44	-2182.19	-903.29
1	48	21	-24.04	-79.36	-48.62	-54.79	-27.48	-186.27	-2170.91	-1054.90	-1302.28	-984.58
1	48	22	24.21	-39.11	-39.02	24.12	-2.36	-394.51	-843.41	-708.46	-529.46	-205.83
1	48	23	-44.05	-105.08	-104.90	-44.22	-3.25	-1208.05	-2950.02	-2896.04	-1262.03	301.86
1	48	24	-42.87	-125.61	-99.28	-69.20	38.54	-607.63	-2640.59	-2028.32	-1219.90	932.66
1	48	25	-50.13	-148.71	-98.09	-100.75	49.27	-987.26	-2007.05	-1538.72	-1455.59	508.20
1	48	26	-67.58	-162.00	-96.24	-133.33	43.42	-1153.76	-1931.63	-1271.80	-1813.59	279.08
1	48	27	-84.88	-167.78	-95.07	-157.58	27.22	-1127.92	-2139.19	-1146.99	-2120.12	137.56
1	48	28	-93.62	-168.42	-94.23	-167.81	6.74	-1119.96	-2259.88	-1120.04	-2259.80	-9.26
1	48	29	-90.25	-164.65	-93.03	-161.87	-14.10	-1138.68	-2210.19	-1159.74	-2189.13	-148.75
1	48	30	-76.25	-156.40	-91.94	-140.71	-31.80	-1135.49	-2039.20	-1249.42	-1925.27	-299.97
1	48	31	-58.03	-141.47	-91.82	-107.68	-40.96	-989.13	-1987.70	-1419.15	-1557.69	-494.46
1	48	32	-44.42	-117.87	-92.47	-69.82	-34.94	-634.61	-2293.89	-1651.08	-1277.42	-808.33
1	48	33	-35.44	-98.92	-98.55	-35.81	4.80	-1161.65	-2121.51	-2062.52	-1220.64	-230.53
1	48	34	-106.70	-157.68	-156.80	-107.58	-6.65	-1546.07	-4683.90	-4664.90	-1565.07	243.42
1	48	35	-77.26	-161.79	-148.85	-90.21	30.44	-934.89	-3300.22	-3059.91	-1175.19	714.60
1	48	36	-73.66	-162.75	-134.89	-101.52	41.30	-1072.94	-2030.27	-1926.16	-1177.05	298.04
1	48	37	-84.99	-158.45	-122.04	-121.40	36.73	-1183.50	-1390.06	-1342.94	-1230.62	86.67
1	48	38	-98.62	-152.33	-112.06	-138.89	23.27	-1080.68	-1296.82	-1081.68	-1295.81	14.69
1	48	39	-106.07	-147.67	-106.83	-146.91	5.57	-1012.96	-1332.99	-1015.04	-1330.91	-25.70
1	48	40	-102.68	-146.12	-106.68	-142.13	-12.56	-1068.20	-1326.10	-1081.28	-1313.02	-56.59
1	48	41	-90.89	-147.73	-111.66	-126.95	-27.37	-1134.29	-1384.11	-1273.00	-1245.40	-124.14
1	48	42	-78.16	-148.27	-120.81	-105.62	-34.22	-1023.56	-1772.67	-1642.56	-1153.67	-283.79
1	48	43	-75.67	-144.29	-131.96	-88.00	-26.35	-856.84	-2568.20	-2341.12	-1083.91	-580.56
1	48	44	-94.09	-139.96	-138.62	-95.44	7.73	-1303.31	-3286.73	-3271.65	-1318.39	-172.30
1	48	45	-150.18	-189.89	-188.75	-151.32	-6.63	-1661.46	-5920.32	-5914.82	-1666.96	152.95
1	48	46	-104.56	-184.40	-180.79	-108.17	16.58	-1055.11	-3905.38	-3837.95	-1122.54	433.17
1	48	47	-93.72	-171.64	-162.75	-102.61	24.78	-1002.59	-2285.00	-2264.82	-1022.77	159.59
1	48	48	-100.81	-155.66	-143.88	-112.59	22.53	-938.01	-1420.40	-1419.83	-938.58	16.55
1	48	49	-112.76	-141.63	-129.66	-124.74	14.22	-879.55	-1035.01	-1032.07	-882.50	-21.20
1	48	50	-120.95	-132.00	-121.94	-131.01	3.15	-850.63	-934.16	-925.35	-859.44	-25.66
1	48	51	-116.20	-133.50	-122.15	-127.54	-8.22	-859.96	-1019.27	-1015.86	-863.37	-23.06
1	48	52	-105.15	-142.08	-130.06	-117.16	-17.30	-878.45	-1307.63	-1301.26	-884.83	-51.92
1	48	53	-96.07	-152.19	-142.98	-105.28	-20.79	-885.08	-1883.50	-1859.66	-908.92	-152.44
1	48	54	-100.39	-159.88	-156.15	-104.12	-14.42	-862.37	-2912.40	-2855.02	-919.75	-338.14
1	48	55	-133.11	-162.31	-160.91	-134.52	6.25	-1241.00	-4080.91	-4077.24	-1244.67	-102.01
1	48	56	-171.31	-204.35	-203.97	-171.69	-3.53	-1695.88	-6518.30	-6517.80	-1696.38	48.92
1	48	57	-117.37	-194.89	-194.85	-117.41	1.61	-1088.62	-4228.31	-4223.93	-1093.01	117.27
1	48	58	-102.98	-177.10	-176.74	-103.34	5.14	-954.42	-2444.71	-2443.79	-955.33	36.88
1	48	59	-107.63	-156.35	-155.87	-108.11	4.81	-820.72	-1465.72	-1465.69	-820.75	-4.44
1	48	60	-117.25	-140.07	-139.73	-117.59	2.75	-717.58	-1009.85	-1009.03	-718.40	-15.48
1	48	61	-123.02	-130.78	-130.78	-123.02	2.79e-02	-670.89	-880.24	-879.08	-672.05	-15.55
1	48	62	-119.69	-131.95	-131.27	-120.36	-2.79	-682.55	-982.73	-982.18	-683.10	-12.80
1	48	63	-111.65	-141.00	-140.12	-112.53	-5.00	-735.60	-1317.95	-1317.36	-736.19	-18.52
1	48	64	-104.99	-154.58	-153.92	-105.65	-5.69	-798.67	-1971.40	-1969.72	-800.36	-44.45
1	48	65	-112.32	-166.32	-166.15	-112.49	-2.96	-842.69	-3102.45	-3098.62	-846.53	-93.02
1	48	66	-152.02	-171.27	-171.19	-152.09	1.20	-1201.60	-4446.29	-4446.03	-1201.86	-29.07
1	48	67	-168.86	-205.07	-204.91	-169.02	-2.41	-1678.91	-6440.10	-6439.31	-1679.69	-61.11
1	48	68	-114.35	-194.31	-193.08	-115.58	-9.84	-1059.39	-4172.57	-4158.48	-1073.49	-209.02
1	48	69	-99.35	-178.30	-175.30	-102.35	-15.10	-938.76	-2416.31	-2412.16	-942.91	-78.15
1	48	70	-104.62	-158.25	-154.43	-108.44	-13.80	-817.33	-1458.01	-1457.68	-817.66	-14.59
1	48	71	-114.92	-142.18	-138.48	-118.63	-9.34	-725.68	-1012.32	-1012.31	-725.68	-1.37
1	48	72	-122.87	-131.49	-129.93	-124.44	-3.32	-686.29	-884.92	-884.82	-686.39	-4.39
1	48	73	-120.85	-130.85	-129.96	-121.73	2.84	-698.88	-984.16	-983.96	-699.08	-7.54
1	48	74	-111.23	-140.89	-138.72	-113.41	7.74	-749.06	-1308.98	-1308.89	-749.15	7.27
1	48	75	-103.27	-154.53	-152.68	-105.12	9.56	-805.65	-1946.81	-1943.74	-808.71	59.07
1	48	76	-110.47	-165.22	-164.86	-110.83	4.43	-838.04	-3062.24	-3051.38	-848.90	155.01
1	48	77	-149.21	-173.06	-172.81	-149.46	-2.46	-1210.51	-4400.16	-4399.59	-1211.08	42.70
1	48	78	-155.88	-188.40	-188.11	-156.18	3.07	-1622.89	-6011.23	-6007.22	-1626.90	-132.54
1	48	79	-101.16	-193.83	-188.20	-106.79	-22.15	-1009.51	-3929.05	-3871.88	-1066.68	-404.51
1	48	80	-91.59	-175.63	-165.50	-101.73	-27.37	-943.17	-2300.95	-2282.92	-961.19	-155.39
1	48	81	-98.40	-159.33	-146.60	-111.13	-24.77	-874.95	-1426.83	-1424.96	-876.83	-32.10
1	48	82	-110.65	-144.57	-131.79	-123.43	-16.43	-823.40	-1027.73	-1027.72	-823.40	-0.57
1	48	83	-120.97	-133.10	-123.96	-130.11	-5.23	-805.56	-914.73	-914.71	-805.58	-1.52
1	48	84	-118.97	-131.95	-123.92	-127.01	6.31	-816.20	-1002.77	-1002.73	-816.24	-2.73
1	48	85	-107.08	-141.53	-131.65	-116.96	15.57	-842.86	-1292.15	-1290.39	-844.62	28.04
1	48	86	-97.46	-152.68	-144.77	-105.38	19.34	-858.82	-1872.03	-1855.99	-874.86	126.47
1	48	87	-99.26	-165.96	-162.47	-102.74	14.85	-846.94	-2906.58	-2859.84	-893.69	306.74

1	48	88	-134.57	-162.65	-159.12	-138.10	-9.31	-1224.86	-4129.82	-4126.68	-1228.01	95.58
1	48	89	-142.26	-187.37	-187.32	-142.31	-1.52	-1606.23	-5662.04	-5656.05	-1612.22	-155.67
1	48	90	-91.15	-185.39	-174.44	-102.09	-30.19	-989.20	-3756.54	-3658.51	-1087.23	-511.53
1	48	91	-83.35	-174.71	-157.80	-100.26	-35.48	-975.41	-2220.96	-2188.45	-1007.92	-198.58
1	48	92	-92.92	-160.42	-140.34	-113.00	-30.86	-951.16	-1410.89	-1406.23	-955.82	-46.02
1	48	93	-106.71	-146.90	-126.59	-127.02	-20.09	-932.44	-1046.54	-1046.33	-932.65	-4.92
1	48	94	-117.20	-136.53	-119.32	-134.41	-6.04	-930.28	-944.79	-944.30	-930.77	-2.62
1	48	95	-114.97	-135.51	-119.42	-131.06	8.47	-937.89	-1023.53	-1023.53	-937.90	0.25
1	48	96	-102.19	-143.80	-126.31	-119.68	20.54	-941.59	-1286.76	-1281.86	-946.48	40.80
1	48	97	-90.10	-153.42	-138.60	-104.92	26.82	-920.36	-1823.22	-1792.49	-951.09	163.71
1	48	98	-90.51	-159.74	-151.20	-99.05	22.76	-861.89	-2802.42	-2719.31	-945.00	392.89
1	48	99	-125.59	-162.50	-162.07	-126.02	-3.96	-1256.84	-3905.48	-3901.46	-1260.86	103.15
1	48	100	-91.86	-148.18	-148.17	-91.87	-0.71	-1428.60	-4272.16	-4249.78	-1450.98	-251.27
1	48	101	-63.08	-155.98	-135.61	-83.45	-38.44	-824.40	-3115.59	-2812.83	-1127.15	-775.89
1	48	102	-62.51	-163.82	-127.37	-98.95	-48.62	-1023.95	-1993.14	-1843.24	-1173.85	-350.45
1	48	103	-76.51	-162.78	-117.42	-121.87	-43.07	-1170.79	-1464.99	-1341.44	-1294.34	-145.20
1	48	104	-93.31	-158.01	-109.41	-141.92	-27.97	-1096.56	-1435.00	-1108.93	-1422.63	-63.52
1	48	105	-103.60	-153.05	-105.01	-151.64	-8.24	-1041.19	-1495.61	-1041.69	-1495.11	-15.13
1	48	106	-101.31	-150.82	-104.50	-147.62	12.16	-1086.93	-1482.53	-1090.78	-1478.68	38.85
1	48	107	-87.92	-150.91	-107.81	-131.01	29.28	-1169.64	-1457.66	-1248.82	-1378.48	128.59
1	48	108	-72.24	-148.47	-114.30	-106.41	37.91	-1050.57	-1740.86	-1554.36	-1237.06	306.52
1	48	109	-65.45	-137.57	-120.57	-82.46	30.61	-812.40	-2437.33	-2138.13	-1111.60	629.80
1	48	110	-77.93	-133.72	-133.09	-78.57	-5.93	-1283.42	-2987.08	-2966.42	-1304.08	186.46
1	48	111	-31.36	-86.02	-85.97	-31.41	-1.74	-938.96	-2467.61	-2409.61	-996.95	-292.05
1	48	112	-33.88	-112.98	-85.58	-61.28	-37.64	-436.96	-2460.25	-1786.97	-1110.24	-953.38
1	48	113	-41.67	-144.74	-90.05	-96.36	-51.44	-879.24	-2068.35	-1489.16	-1458.43	-594.35
1	48	114	-63.39	-162.76	-92.92	-133.23	-45.41	-1113.22	-2140.16	-1295.89	-1957.48	-392.71
1	48	115	-85.05	-171.61	-96.20	-160.46	-29.00	-1142.00	-2421.92	-1184.20	-2379.72	-228.55
1	48	116	-96.79	-173.59	-97.74	-172.63	-8.53	-1141.74	-2584.36	-1143.60	-2582.51	-51.70
1	48	117	-94.02	-169.84	-96.11	-167.75	12.42	-1147.05	-2524.23	-1161.39	-2509.88	139.83
1	48	118	-77.87	-159.13	-91.72	-145.29	30.55	-1115.79	-2283.31	-1222.79	-2176.30	336.87
1	48	119	-56.04	-139.15	-86.23	-108.96	39.97	-919.33	-2073.33	-1308.75	-1683.91	545.66
1	48	120	-40.59	-105.97	-82.08	-64.48	31.48	-497.86	-2162.00	-1412.34	-1247.52	827.98
1	48	121	-16.80	-82.48	-82.44	-16.84	-1.58	-980.77	-1776.56	-1697.94	-1059.39	237.45
1	48	122	1.22	-36.93	-36.48	0.77	-4.11	-394.58	-1335.08	-1269.33	-460.33	-239.83
1	48	123	19.39	-46.22	-46.13	19.30	2.39	-489.13	-1004.93	-881.80	-612.25	219.88
1	48	124	-21.70	-89.57	-55.11	-56.17	33.93	-222.64	-2111.97	-1079.49	-1255.12	940.57
1	48	125	-49.85	-131.10	-70.52	-110.42	35.39	-692.94	-2614.25	-1203.76	-2103.43	848.82
1	48	126	-80.40	-163.29	-88.32	-155.36	24.37	-1026.90	-3251.18	-1202.90	-3075.18	600.41
1	48	127	-102.10	-182.00	-103.13	-180.97	9.00	-1171.44	-3774.45	-1200.13	-3745.76	271.79
1	48	128	-107.26	-187.36	-107.79	-186.84	-6.45	-1215.53	-3974.79	-1218.19	-3972.13	-85.63
1	48	129	-94.10	-179.62	-99.56	-174.16	-20.89	-1196.83	-3780.83	-1268.36	-3709.30	-423.94
1	48	130	-65.39	-157.35	-79.58	-143.16	-33.22	-1071.60	-3240.67	-1329.80	-2982.47	-702.41
1	48	131	-29.41	-118.87	-53.52	-94.76	-39.69	-679.75	-2568.82	-1326.92	-1921.65	-896.51
1	48	132	-5.37	-64.42	-30.84	-38.95	-29.24	-67.49	-1927.88	-1032.69	-962.67	-929.54
1	48	133	11.12	-25.03	-24.91	11.00	2.10	-30.83	-698.62	-679.57	-49.88	-111.18
1	48	134	101.13	-35.36	39.73	26.04	67.91	140.26	-20.30	63.48	56.48	80.21
1	48	135	40.46	-32.42	38.39	-30.35	-12.12	-405.63	-899.08	-457.84	-846.87	-151.78
1	48	136	-20.72	-99.29	-21.02	-98.98	-4.91	-1334.17	-2628.94	-1363.09	-2600.02	-191.33
1	48	137	-85.45	-149.77	-85.45	-149.77	-7.51e-02	-1662.48	-4246.22	-1674.54	-4234.16	-176.08
1	48	138	-133.00	-180.64	-133.02	-180.61	1.13	-1755.96	-5372.56	-1760.23	-5368.28	-124.29
1	48	139	-155.32	-192.85	-155.35	-192.82	-1.09	-1764.43	-5840.01	-1764.81	-5839.63	-39.55
1	48	140	-149.03	-187.86	-149.52	-187.38	-4.30	-1728.76	-5602.77	-1730.00	-5601.53	69.40
1	48	141	-115.37	-163.61	-116.09	-162.88	-5.87	-1611.90	-4670.93	-1623.57	-4659.25	188.63
1	48	142	-59.15	-115.79	-59.41	-115.53	-3.85	-1267.86	-3138.60	-1315.26	-3091.20	293.99
1	48	143	0.20	-46.25	8.08e-02	-46.13	-2.33	-381.26	-1306.56	-483.98	-1203.84	290.67
1	48	144	109.45	-43.88	16.62	48.94	-74.94	120.11	-76.44	82.34	-38.67	-77.44
1	49	1	116.26	-36.44	42.64	37.17	-76.30	74.40	48.35	67.52	55.22	-11.48
1	49	2	34.84	-32.71	34.34	-32.20	5.84	-349.80	-1172.89	-529.39	-993.30	339.95
1	49	3	-19.88	-102.27	-19.89	-102.26	0.58	-1369.81	-2906.39	-1468.90	-2807.30	377.41
1	49	4	-80.46	-153.73	-80.58	-153.61	-2.99	-1793.26	-4504.95	-1822.21	-4475.99	278.71
1	49	5	-121.85	-184.20	-122.05	-184.00	-3.55	-1926.05	-5605.93	-1931.41	-5600.57	140.33
1	49	6	-139.33	-195.61	-139.44	-195.50	-2.48	-1948.39	-6046.57	-1948.43	-6046.54	-11.41
1	49	7	-132.11	-189.20	-132.13	-189.18	-1.06	-1896.51	-5777.58	-1903.25	-5770.83	-161.64
1	49	8	-100.47	-163.76	-100.48	-163.76	-0.68	-1729.64	-4810.42	-1758.76	-4781.30	-298.10
1	49	9	-47.47	-116.69	-47.56	-116.60	-2.47	-1284.27	-3243.08	-1368.42	-3158.93	-397.18
1	49	10	6.45	-45.99	5.94	-45.49	-5.11	-286.64	-1357.09	-433.11	-1210.61	-367.88
1	49	11	111.41	-40.59	26.90	43.92	75.52	148.80	-2.98	148.70	-2.88	-3.92
1	49	12	17.68	-32.96	-32.96	17.68	-0.34	-322.57	-1228.94	-1058.28	-493.23	354.34
1	49	13	-17.77	-71.46	-43.21	-46.01	26.81	-135.69	-2429.18	-1313.96	-1250.90	1146.31
1	49	14	-33.52	-121.17	-57.27	-97.42	38.96	-740.25	-2841.80	-1496.13	-2085.92	1008.55
1	49	15	-61.91	-157.09	-73.96	-145.04	31.64	-1214.67	-3358.36	-1492.16	-3080.87	719.62
1	49	16	-85.31	-178.59	-88.65	-175.25	17.34	-1399.20	-3846.50	-1451.59	-3794.11	354.23
1	49	17	-95.28	-187.30	-95.30	-187.28	1.36	-1418.36	-4080.23	-1418.74	-4079.85	-31.96
1	49	18	-89.38	-183.34	-91.70	-181.01	-14.58	-1326.92	-3963.17	-1397.19	-3892.90	-424.63
1	49	19	-69.30	-166.01	-79.09	-156.22	-29.17	-1087.50	-3532.02	-1369.27	-3250.25	-780.64
1	49	20	-41.80	-132.07	-62.56	-111.31	-37.99	-610.77	-2928.57	-1277.00	-2262.34	-1048.97
1	49	21	-21.30	-81.55	-46.33	-56.52	-29.69	-62.72	-2304.82	-1040.69	-1326.85	-1111.88
1	49	22	20.90	-37.45	-37.23	20.69	-3.52	-284.59	-917.93	-680.70	-521.82	-306.54

1	49	23	-37.65	-105.11	-104.61	-38.15	-5.78	-1320.15	-3101.66	-3006.79	-1415.03	400.02
1	49	24	-42.41	-121.24	-98.79	-64.87	35.58	-699.61	-2944.97	-2224.37	-1420.21	1048.20
1	49	25	-51.37	-142.63	-96.46	-97.54	45.63	-1170.83	-2410.12	-1853.40	-1727.55	616.45
1	49	26	-68.94	-156.06	-93.98	-131.01	39.43	-1454.79	-2294.71	-1623.52	-2125.97	336.53
1	49	27	-84.99	-163.50	-92.57	-155.93	23.18	-1474.59	-2455.85	-1487.80	-2442.64	113.06
1	49	28	-91.59	-166.84	-91.70	-166.73	2.84	-1418.18	-2570.38	-1421.74	-2566.82	-63.94
1	49	29	-86.47	-165.85	-90.68	-161.64	-17.78	-1351.50	-2514.96	-1406.48	-2459.98	-246.87
1	49	30	-72.20	-159.34	-89.93	-141.61	-35.08	-1228.95	-2348.09	-1433.06	-2143.98	-432.16
1	49	31	-55.39	-144.40	-90.23	-109.56	-43.44	-955.80	-2262.68	-1505.51	-1712.97	-645.15
1	49	32	-45.10	-119.26	-91.17	-73.19	-35.98	-540.56	-2442.81	-1651.63	-1331.74	-937.58
1	49	33	-42.05	-98.05	-97.66	-42.44	4.68	-1120.85	-2152.10	-2033.84	-1239.11	-328.59
1	49	34	-97.83	-158.97	-157.51	-99.29	-9.34	-1735.07	-4839.21	-4807.70	-1766.57	311.15
1	49	35	-74.32	-158.88	-148.76	-84.45	27.46	-1122.12	-3587.30	-3298.94	-1410.47	792.27
1	49	36	-73.58	-158.10	-134.37	-97.31	37.98	-1352.18	-2448.25	-2303.93	-1496.50	370.62
1	49	37	-86.03	-152.81	-120.52	-118.31	33.37	-1531.64	-1830.83	-1764.34	-1598.13	124.38
1	49	38	-99.70	-147.49	-110.46	-136.74	19.96	-1491.26	-1676.99	-1491.32	-1676.93	-3.23
1	49	39	-105.14	-145.76	-105.29	-145.61	2.48	-1365.12	-1708.92	-1378.57	-1695.47	-66.66
1	49	40	-100.00	-147.96	-105.46	-142.50	-15.23	-1326.48	-1688.59	-1378.82	-1636.24	-127.34
1	49	41	-88.68	-150.22	-110.72	-128.18	-29.50	-1284.27	-1718.52	-1494.64	-1508.15	-217.02
1	49	42	-78.08	-150.20	-120.04	-108.24	-35.58	-1116.16	-2012.27	-1785.41	-1343.02	-389.65
1	49	43	-79.25	-144.62	-131.04	-92.83	-26.52	-878.93	-2675.63	-2375.36	-1179.21	-670.33
1	49	44	-101.83	-139.68	-137.78	-103.73	8.26	-1351.23	-3271.28	-3240.67	-1381.84	-240.50
1	49	45	-139.72	-191.44	-189.65	-141.52	-9.46	-1868.90	-6084.10	-6076.13	-1876.87	183.15
1	49	46	-99.10	-183.65	-181.37	-101.38	13.70	-1286.23	-4178.23	-4100.97	-1363.49	466.33
1	49	47	-91.03	-169.26	-162.54	-97.76	21.93	-1324.38	-2702.81	-2676.18	-1351.01	189.74
1	49	48	-99.99	-152.53	-143.37	-109.15	19.93	-1316.12	-1880.52	-1878.93	-1317.71	29.93
1	49	49	-113.17	-137.84	-128.63	-122.38	11.93	-1269.77	-1485.62	-1478.79	-1276.59	-37.76
1	49	50	-121.03	-129.76	-121.16	-129.62	1.09	-1212.83	-1345.75	-1321.68	-1236.90	-51.18
1	49	51	-114.79	-135.45	-121.94	-128.31	-9.83	-1174.77	-1362.72	-1339.39	-1198.10	-61.97
1	49	52	-105.12	-143.37	-129.78	-118.71	-18.30	-1131.95	-1566.03	-1541.28	-1156.69	-100.64
1	49	53	-98.40	-152.70	-142.55	-108.55	-21.17	-1059.64	-2058.02	-2013.69	-1103.96	-205.65
1	49	54	-106.00	-159.32	-155.37	-109.96	-13.97	-957.28	-2965.21	-2889.87	-1032.62	-381.57
1	49	55	-141.20	-162.82	-160.10	-143.92	7.17	-1329.66	-4047.30	-4040.61	-1336.35	-134.66
1	49	56	-160.17	-205.91	-205.01	-161.07	-6.35	-1896.89	-6685.56	-6685.23	-1897.22	39.93
1	49	57	-110.04	-196.01	-196.00	-110.05	-1.01	-1319.93	-4496.64	-4493.18	-1323.39	104.69
1	49	58	-98.08	-176.85	-176.74	-98.19	2.95	-1269.58	-2862.62	-2862.21	-1269.98	25.30
1	49	59	-104.34	-155.98	-155.79	-104.53	3.12	-1184.17	-1933.21	-1932.86	-1184.52	-16.15
1	49	60	-115.10	-139.16	-139.05	-115.20	1.59	-1093.43	-1466.15	-1463.43	-1096.15	-31.73
1	49	61	-121.57	-130.90	-130.83	-121.64	-0.80	-1030.08	-1283.90	-1281.16	-1032.83	-26.23
1	49	62	-120.26	-132.35	-131.47	-121.14	-3.15	-1000.06	-1309.82	-1308.46	-1001.42	-20.47
1	49	63	-113.38	-140.95	-140.08	-114.25	-4.81	-991.70	-1557.75	-1556.89	-992.56	-22.11
1	49	64	-108.72	-154.32	-153.73	-109.31	-5.15	-980.01	-2122.28	-2120.76	-981.54	-41.75
1	49	65	-118.84	-165.66	-165.58	-118.92	-2.00	-944.55	-3132.27	-3128.63	-948.20	-89.20
1	49	66	-161.62	-171.08	-170.44	-162.26	2.39	-1283.20	-4403.95	-4403.72	-1283.43	-27.07
1	49	67	-157.54	-206.53	-206.02	-158.05	-5.00	-1863.15	-6604.42	-6602.21	-1865.35	-102.31
1	49	68	-106.47	-195.97	-194.33	-108.11	-12.01	-1264.81	-4439.44	-4418.06	-1286.20	-259.68
1	49	69	-93.90	-178.75	-175.43	-97.23	-16.47	-1223.20	-2824.26	-2813.68	-1233.78	-129.71
1	49	70	-101.04	-158.43	-154.54	-104.94	-14.44	-1149.88	-1908.73	-1905.51	-1153.09	-49.29
1	49	71	-112.86	-141.48	-138.01	-116.33	-9.34	-1071.95	-1447.36	-1446.84	-1072.47	-14.06
1	49	72	-122.04	-130.96	-129.89	-123.11	-2.90	-1015.46	-1267.32	-1267.32	-1015.46	0.26
1	49	73	-121.10	-131.93	-130.46	-122.57	3.71	-986.06	-1291.96	-1291.34	-986.68	13.72
1	49	74	-112.13	-141.98	-138.94	-115.17	9.03	-974.11	-1534.11	-1530.67	-977.54	43.71
1	49	75	-106.28	-155.29	-152.72	-108.85	10.92	-956.18	-2089.70	-2079.41	-966.47	107.50
1	49	76	-116.74	-165.14	-164.43	-117.44	5.80	-914.66	-3091.27	-3072.73	-933.20	200.03
1	49	77	-160.07	-172.30	-172.21	-160.17	-1.06	-1275.55	-4355.36	-4353.38	-1277.53	78.05
1	49	78	-145.11	-189.18	-189.17	-145.12	0.72	-1790.76	-6170.59	-6161.97	-1799.38	-194.11
1	49	79	-93.55	-194.86	-188.86	-99.54	-23.90	-1185.23	-4195.79	-4117.59	-1263.43	-478.87
1	49	80	-86.81	-175.66	-165.68	-96.79	-28.06	-1194.89	-2698.36	-2662.49	-1230.76	-229.45
1	49	81	-95.85	-158.38	-146.44	-107.79	-24.58	-1176.76	-1857.23	-1847.89	-1186.09	-79.16
1	49	82	-110.00	-142.66	-131.41	-121.24	-15.52	-1140.70	-1437.85	-1437.17	-1141.38	-14.14
1	49	83	-121.92	-130.98	-124.05	-128.85	-3.84	-1104.10	-1274.38	-1273.43	-1105.04	12.64
1	49	84	-117.91	-134.45	-124.48	-127.88	8.10	-1068.94	-1294.87	-1288.57	-1075.25	37.21
1	49	85	-106.49	-144.19	-132.04	-118.64	17.61	-1029.79	-1510.82	-1493.37	-1047.24	89.93
1	49	86	-99.10	-154.84	-144.97	-108.97	21.28	-970.09	-2018.13	-1976.55	-1011.66	204.57
1	49	87	-104.48	-166.89	-162.14	-109.22	16.54	-890.91	-2945.91	-2874.12	-962.70	377.33
1	49	88	-144.76	-163.00	-158.67	-149.10	-7.77	-1273.70	-4087.00	-4078.93	-1281.77	150.49
1	49	89	-131.58	-188.62	-188.37	-131.83	-3.82	-1756.37	-5816.71	-5803.22	-1769.86	-233.65
1	49	90	-84.21	-186.35	-175.31	-95.25	-31.71	-1137.42	-4024.67	-3892.74	-1269.35	-602.91
1	49	91	-79.53	-174.20	-158.03	-95.70	-35.63	-1194.26	-2611.04	-2550.02	-1255.27	-287.62
1	49	92	-91.53	-158.63	-140.23	-109.92	-29.93	-1220.60	-1826.20	-1808.86	-1237.94	-101.00
1	49	93	-107.26	-144.00	-126.25	-125.00	-18.36	-1219.16	-1436.67	-1435.13	-1220.70	-18.26
1	49	94	-118.23	-134.16	-119.17	-133.22	-3.76	-1195.45	-1287.50	-1283.48	-1199.47	18.81
1	49	95	-113.20	-138.51	-119.84	-131.86	11.14	-1147.58	-1311.45	-1291.82	-1167.20	53.21
1	49	96	-100.52	-147.43	-126.79	-121.16	23.28	-1084.97	-1507.39	-1469.89	-1122.47	120.14
1	49	97	-90.46	-156.59	-138.84	-108.21	29.30	-991.13	-1976.59	-1901.28	-1066.44	261.81
1	49	98	-94.36	-161.66	-150.85	-105.16	24.71	-874.85	-2853.57	-2728.50	-999.93	481.50
1	49	99	-136.51	-161.90	-161.67	-136.73	-2.36	-1257.78	-3864.38	-3852.86	-1269.31	172.93
1	49	100	-82.59	-149.28	-149.18	-82.69	-2.64	-1529.97	-4411.89	-4369.13	-1572.73	-348.43
1	49	101	-57.75	-156.02	-136.28	-77.50	-39.38	-901.81	-3386.42	-3008.75	-1279.48	-892.04

1	49	102	-60.82	-161.81	-127.53	-95.10	-47.82	-1160.12	-2364.24	-2147.57	-1376.78	-462.54
1	49	103	-77.11	-159.18	-117.03	-119.27	-41.02	-1376.86	-1828.26	-1680.18	-1524.95	-211.93
1	49	104	-95.20	-154.13	-109.14	-140.19	-25.04	-1413.61	-1676.01	-1434.07	-1655.55	-70.35
1	49	105	-104.42	-150.98	-104.89	-150.51	-4.65	-1321.26	-1709.81	-1322.29	-1708.78	19.94
1	49	106	-99.21	-153.30	-104.54	-147.98	16.11	-1274.49	-1690.39	-1308.55	-1656.33	114.04
1	49	107	-84.95	-155.39	-108.22	-132.12	33.13	-1207.79	-1696.93	-1395.66	-1509.06	237.91
1	49	108	-70.44	-153.09	-114.54	-108.99	41.23	-1009.27	-1939.04	-1632.02	-1316.29	437.26
1	49	109	-67.18	-140.75	-120.30	-87.64	32.96	-730.31	-2517.91	-2118.55	-1129.67	744.58
1	49	110	-87.96	-133.24	-132.85	-88.35	-4.19	-1207.83	-2962.34	-2918.03	-1252.14	275.28
1	49	111	-23.85	-86.29	-86.15	-23.99	-2.99	-957.97	-2613.28	-2504.51	-1066.73	-410.13
1	49	112	-31.32	-111.72	-86.09	-56.96	-37.47	-426.64	-2716.59	-1935.64	-1207.59	-1085.56
1	49	113	-42.23	-141.07	-89.95	-93.35	-49.39	-934.69	-2379.08	-1717.59	-1596.18	-719.64
1	49	114	-65.66	-158.05	-92.67	-131.03	-42.03	-1289.94	-2377.57	-1552.03	-2115.48	-465.16
1	49	115	-87.55	-167.32	-96.00	-158.87	-24.55	-1384.15	-2582.68	-1428.17	-2538.66	-225.44
1	49	116	-97.41	-171.68	-97.57	-171.52	-3.36	-1350.83	-2725.82	-1350.85	-2725.80	-4.84
1	49	117	-91.74	-171.40	-95.94	-167.19	17.81	-1277.57	-2665.26	-1318.00	-2624.84	233.38
1	49	118	-73.88	-163.63	-91.56	-145.96	35.69	-1129.57	-2447.78	-1322.67	-2254.68	466.11
1	49	119	-52.29	-144.32	-86.05	-110.56	44.35	-801.24	-2248.59	-1327.11	-1722.71	696.12
1	49	120	-39.74	-109.93	-81.56	-68.11	34.45	-332.13	-2255.15	-1364.82	-1222.46	958.87
1	49	121	-25.20	-82.29	-82.29	-25.20	0.47	-865.73	-1796.38	-1648.89	-1013.23	339.87
1	49	122	7.24	-36.94	-36.47	6.77	-4.55	-345.55	-1455.93	-1320.18	-481.30	-363.74
1	49	123	14.71	-45.61	-45.21	14.32	4.85	-361.38	-1036.45	-834.64	-563.20	309.05
1	49	124	-18.38	-93.71	-54.02	-58.07	37.61	-70.02	-2185.14	-1030.08	-1225.08	1053.06
1	49	125	-44.68	-136.20	-69.78	-111.10	40.83	-569.66	-2729.49	-1194.54	-2104.60	979.37
1	49	126	-75.94	-167.37	-87.73	-155.57	30.65	-1023.18	-3343.30	-1268.38	-3098.10	713.29
1	49	127	-99.69	-183.18	-102.71	-180.17	15.58	-1257.48	-3835.44	-1307.02	-3785.90	353.92
1	49	128	-107.55	-185.79	-107.55	-185.79	4.60e-02	-1360.67	-4025.79	-1361.37	-4025.08	-43.31
1	49	129	-96.55	-175.85	-99.47	-172.94	-14.92	-1360.87	-3845.31	-1437.62	-3768.56	-429.85
1	49	130	-68.70	-152.50	-79.62	-141.59	-28.21	-1192.81	-3353.34	-1505.97	-3040.18	-760.61
1	49	131	-32.11	-114.18	-53.53	-92.76	-36.04	-696.42	-2751.95	-1480.20	-1968.18	-998.38
1	49	132	-5.55	-61.55	-31.43	-35.67	-27.92	-12.95	-2094.35	-1119.23	-988.07	-1038.63
1	49	133	14.55	-26.40	-26.23	14.37	2.66	24.65	-780.25	-725.91	-29.70	-201.96
1	49	134	103.56	-35.07	40.14	28.35	69.06	109.68	34.87	37.26	107.28	13.17
1	49	135	38.91	-29.39	37.51	-27.99	-9.66	-403.48	-961.72	-520.72	-844.48	-227.38
1	49	136	-22.42	-97.56	-22.42	-97.56	-0.26	-1430.48	-2644.76	-1488.64	-2586.59	-259.32
1	49	137	-85.35	-148.80	-85.91	-148.24	5.93	-1815.66	-4255.86	-1835.22	-4236.31	-217.55
1	49	138	-131.79	-180.56	-133.08	-179.27	7.83	-1907.72	-5375.59	-1912.50	-5370.81	-128.66
1	49	139	-154.11	-192.63	-155.06	-191.68	5.98	-1889.89	-5840.47	-1889.90	-5840.45	-7.78
1	49	140	-148.61	-186.67	-148.82	-186.46	2.82	-1814.66	-5602.93	-1819.28	-5598.31	132.10
1	49	141	-114.87	-162.39	-114.89	-162.37	0.94	-1647.13	-4675.78	-1672.46	-4650.45	275.81
1	49	142	-57.63	-115.89	-57.70	-115.82	2.09	-1219.95	-3158.20	-1304.15	-3074.00	395.11
1	49	143	2.08	-47.18	2.02	-47.12	1.71	-267.50	-1337.73	-427.38	-1177.84	381.51
1	49	144	106.08	-41.08	18.47	46.53	-72.23	150.37	8.39	150.37	8.39	-0.12
1	73	1	117.53	-31.76	45.52	40.25	-74.60	248.99	145.83	203.24	191.58	-51.25
1	73	2	35.83	-32.68	34.64	-31.49	8.96	-242.34	-1115.46	-463.25	-894.55	379.58
1	73	3	-19.75	-102.05	-19.94	-101.86	3.93	-1434.58	-2826.44	-1564.88	-2696.14	405.45
1	73	4	-80.56	-153.16	-80.56	-153.16	7.26e-02	-1939.19	-4392.02	-1977.66	-4353.55	304.77
1	73	5	-121.96	-183.54	-121.98	-183.52	-1.09	-2111.76	-5481.21	-2119.85	-5473.12	164.92
1	73	6	-139.45	-194.95	-139.46	-194.94	-0.61	-2156.74	-5919.65	-2156.77	-5919.63	8.81
1	73	7	-132.44	-188.48	-132.44	-188.48	0.15	-2112.86	-5655.61	-2119.22	-5649.24	-150.03
1	73	8	-101.27	-162.86	-101.27	-162.86	-0.14	-1930.32	-4701.48	-1962.74	-4669.05	-298.02
1	73	9	-48.70	-115.10	-48.80	-115.00	-2.57	-1420.74	-3164.80	-1524.17	-3061.37	-411.93
1	73	10	5.86	-43.95	5.12	-43.21	-6.02	-230.25	-1310.79	-415.73	-1125.31	-407.45
1	73	11	115.12	-36.77	29.57	48.78	75.33	252.79	105.53	245.94	112.37	31.01
1	73	12	18.37	-31.78	-31.63	18.21	2.79	-218.02	-1160.14	-950.12	-428.05	392.12
1	73	13	-13.43	-73.59	-41.92	-45.10	30.04	125.77	-2844.68	-1388.18	-1330.74	1484.95
1	73	14	-30.05	-123.17	-56.42	-96.80	41.95	-618.30	-3296.71	-1670.90	-2244.11	1308.18
1	73	15	-59.39	-158.20	-73.29	-144.30	34.35	-1291.80	-3745.49	-1735.01	-3302.28	943.96
1	73	16	-83.81	-178.62	-88.06	-174.36	19.63	-1637.39	-4156.48	-1737.52	-4056.36	492.14
1	73	17	-94.67	-186.25	-94.78	-186.13	3.24	-1729.79	-4361.16	-1729.80	-4361.15	-4.85
1	73	18	-89.36	-181.63	-91.28	-179.71	-13.16	-1614.81	-4271.43	-1715.44	-4170.80	-507.17
1	73	19	-69.28	-163.77	-78.73	-154.32	-28.35	-1251.76	-3918.00	-1669.95	-3499.82	-969.59
1	73	20	-40.87	-130.30	-62.09	-109.07	-38.04	-587.14	-3403.24	-1535.58	-2454.80	-1330.93
1	73	21	-17.93	-80.94	-45.60	-53.27	-31.27	142.91	-2769.10	-1187.90	-1438.29	-1450.61
1	73	22	25.36	-37.06	-36.49	24.79	-5.93	-200.25	-910.77	-621.07	-489.95	-349.16
1	73	23	-38.30	-103.78	-103.67	-38.41	-2.67	-1387.45	-2998.39	-2878.88	-1506.96	422.19
1	73	24	-39.21	-122.79	-97.55	-64.45	38.37	-578.87	-3384.86	-2370.82	-1592.91	1348.00
1	73	25	-47.91	-144.55	-95.47	-97.00	48.31	-1180.69	-2938.69	-2122.48	-1996.90	876.76
1	73	26	-65.81	-157.44	-92.97	-130.27	41.85	-1642.10	-2817.55	-1983.18	-2476.47	533.47
1	73	27	-82.74	-163.79	-91.57	-154.95	25.26	-1850.13	-2910.44	-1909.43	-2851.14	243.64
1	73	28	-90.43	-165.76	-90.70	-165.49	4.49	-1878.80	-3005.97	-1879.97	-3004.80	-36.30
1	73	29	-85.93	-163.81	-89.65	-160.08	-16.63	-1785.09	-2984.94	-1874.34	-2895.69	-314.84
1	73	30	-71.29	-156.74	-88.89	-139.15	-34.55	-1529.38	-2889.78	-1875.62	-2543.54	-592.57
1	73	31	-53.08	-142.41	-89.22	-106.28	-43.84	-1066.47	-2849.04	-1872.93	-2042.58	-887.24
1	73	32	-40.29	-118.74	-90.45	-68.57	-37.67	-476.57	-2966.42	-1883.21	-1559.78	-1234.37
1	73	33	-35.94	-97.13	-97.08	-35.99	1.76	-1219.39	-2141.57	-1976.16	-1384.80	-353.80
1	73	34	-99.19	-157.07	-156.32	-99.94	-6.57	-1870.66	-4699.97	-4661.30	-1909.32	328.49
1	73	35	-72.55	-159.37	-147.47	-84.45	29.85	-1191.15	-3953.57	-3503.07	-1641.65	1020.55
1	73	36	-70.90	-158.96	-132.92	-96.94	40.19	-1548.21	-2945.76	-2651.34	-1842.63	569.89

1	73	37	-83.15	-153.81	-119.33	-117.64	35.32	-1842.63	-2418.81	-2220.91	-2040.53	273.61
1	73	38	-97.07	-147.80	-109.17	-135.70	21.62	-1983.49	-2228.25	-2024.42	-2187.33	91.34
1	73	39	-103.57	-144.52	-103.92	-144.17	3.77	-1949.44	-2247.60	-1956.93	-2240.11	-46.66
1	73	40	-98.98	-145.34	-104.03	-140.29	-14.44	-1864.74	-2280.91	-1968.09	-2177.56	-179.81
1	73	41	-86.87	-147.61	-109.30	-125.17	-29.32	-1688.03	-2370.02	-2051.67	-2006.38	-340.24
1	73	42	-74.51	-148.29	-118.73	-104.08	-36.15	-1379.57	-2630.48	-2251.86	-1758.19	-574.68
1	73	43	-73.06	-144.10	-130.23	-86.92	-28.15	-1000.63	-3159.92	-2684.52	-1476.04	-894.72
1	73	44	-94.57	-138.17	-137.47	-95.27	5.48	-1543.58	-3225.33	-3184.16	-1584.75	-259.87
1	73	45	-141.39	-189.62	-188.49	-142.51	-7.28	-2032.31	-5927.99	-5917.97	-2042.32	197.26
1	73	46	-98.65	-182.86	-179.83	-101.67	15.66	-1497.07	-4472.04	-4342.05	-1627.06	608.12
1	73	47	-89.68	-168.88	-161.04	-97.52	23.66	-1674.24	-3149.97	-3079.59	-1744.61	314.48
1	73	48	-98.07	-152.25	-141.86	-108.45	21.33	-1794.54	-2428.78	-2404.17	-1819.16	122.50
1	73	49	-110.88	-137.53	-127.14	-121.27	13.00	-1851.32	-2091.71	-2089.88	-1853.16	20.92
1	73	50	-119.14	-128.42	-119.53	-128.02	1.87	-1839.51	-1994.44	-1983.39	-1850.56	-39.87
1	73	51	-112.91	-132.63	-120.02	-125.52	-9.47	-1769.29	-2050.34	-2012.59	-1807.04	-95.84
1	73	52	-102.11	-141.15	-127.98	-115.28	-18.45	-1655.89	-2238.25	-2177.40	-1716.73	-178.14
1	73	53	-93.66	-151.15	-141.07	-103.75	-21.86	-1474.44	-2644.55	-2548.33	-1570.66	-321.45
1	73	54	-98.81	-158.78	-154.54	-103.06	-15.38	-1233.35	-3382.92	-3248.77	-1367.49	-519.96
1	73	55	-133.02	-160.88	-159.95	-133.96	5.01	-1559.45	-3995.61	-3986.40	-1568.65	-149.46
1	73	56	-161.87	-204.42	-203.84	-162.44	-4.91	-2072.71	-6522.35	-6521.76	-2073.30	51.12
1	73	57	-110.58	-194.23	-194.23	-110.58	0.40	-1595.66	-4760.34	-4752.75	-1603.25	154.82
1	73	58	-97.80	-175.40	-175.18	-98.02	4.09	-1685.78	-3298.53	-3295.55	-1688.76	69.26
1	73	59	-103.50	-154.32	-154.02	-103.80	3.90	-1717.91	-2494.95	-2494.65	-1718.21	15.35
1	73	60	-113.82	-137.58	-137.42	-113.99	2.00	-1709.02	-2115.64	-2115.34	-1709.31	-10.92
1	73	61	-119.90	-128.82	-128.77	-119.95	-0.65	-1682.96	-1987.79	-1985.98	-1684.77	-23.42
1	73	62	-117.33	-130.21	-129.29	-118.25	-3.32	-1644.89	-2027.76	-2024.87	-1647.78	-33.14
1	73	63	-109.60	-139.14	-138.13	-110.61	-5.35	-1582.68	-2237.62	-2233.78	-1586.52	-50.02
1	73	64	-103.42	-152.84	-152.12	-104.14	-5.93	-1470.18	-2696.32	-2690.47	-1476.04	-84.54
1	73	65	-111.27	-164.80	-164.62	-111.45	-3.09	-1294.71	-3520.61	-3512.18	-1303.14	-136.75
1	73	66	-151.35	-170.40	-170.34	-151.41	1.05	-1530.15	-4352.19	-4351.69	-1530.65	-37.57
1	73	67	-159.51	-205.18	-204.78	-159.91	-4.21	-2044.30	-6442.74	-6440.53	-2046.50	-98.46
1	73	68	-107.35	-193.98	-192.49	-108.84	-11.24	-1540.71	-4709.41	-4678.54	-1571.58	-311.23
1	73	69	-93.84	-177.03	-173.81	-97.06	-16.04	-1641.38	-3268.24	-3249.48	-1660.14	-173.69
1	73	70	-100.19	-156.62	-152.67	-104.13	-14.39	-1686.82	-2478.46	-2469.66	-1695.62	-82.98
1	73	71	-111.30	-139.97	-136.24	-115.03	-9.65	-1692.20	-2103.53	-2100.45	-1695.29	-35.47
1	73	72	-119.86	-129.17	-127.67	-121.37	-3.43	-1677.40	-1973.25	-1973.12	-1677.54	-6.27
1	73	73	-118.73	-129.05	-128.10	-119.68	2.98	-1641.83	-2009.83	-2008.32	-1643.35	23.55
1	73	74	-109.14	-139.21	-136.82	-111.53	8.13	-1573.96	-2215.82	-2208.16	-1581.63	69.71
1	73	75	-101.62	-153.03	-150.96	-103.68	10.10	-1452.25	-2668.25	-2650.04	-1470.46	147.68
1	73	76	-109.42	-163.86	-163.38	-109.91	5.13	-1267.33	-3485.59	-3456.82	-1296.10	250.99
1	73	77	-148.94	-172.14	-172.03	-149.04	-1.57	-1530.58	-4306.08	-4304.05	-1532.61	75.14
1	73	78	-147.32	-187.93	-187.91	-147.35	1.02	-1971.40	-6013.80	-6004.26	-1980.93	-196.11
1	73	79	-94.39	-193.15	-187.18	-100.36	-23.53	-1429.29	-4488.43	-4368.98	-1548.74	-592.57
1	73	80	-86.37	-174.23	-164.01	-96.59	-28.17	-1582.52	-3156.31	-3084.81	-1654.02	-327.74
1	73	81	-94.35	-157.05	-144.48	-106.92	-25.10	-1689.82	-2428.47	-2394.91	-1723.38	-153.82
1	73	82	-107.63	-141.80	-129.52	-119.91	-16.40	-1746.40	-2081.75	-2070.51	-1757.64	-60.36
1	73	83	-118.79	-130.00	-121.67	-127.11	-4.90	-1760.28	-1956.92	-1956.92	-1760.28	-7.36e-02
1	73	84	-116.41	-130.60	-121.96	-125.06	6.92	-1712.25	-1996.25	-1982.77	-1725.73	60.38
1	73	85	-104.44	-140.50	-129.80	-115.14	16.47	-1606.17	-2190.08	-2149.52	-1646.74	148.46
1	73	86	-95.28	-151.82	-143.11	-103.99	20.41	-1434.40	-2608.31	-2529.24	-1513.47	294.23
1	73	87	-97.85	-165.09	-161.00	-101.94	16.07	-1209.09	-3362.75	-3245.45	-1326.38	488.73
1	73	88	-135.46	-160.95	-158.37	-138.03	-7.68	-1528.90	-4040.26	-4030.83	-1538.33	153.59
1	73	89	-133.85	-187.35	-187.07	-134.14	-3.90	-1933.49	-5663.29	-5648.91	-1947.86	-231.07
1	73	90	-84.74	-184.87	-173.63	-95.98	-31.61	-1346.39	-4337.64	-4136.06	-1547.97	-749.90
1	73	91	-78.57	-173.10	-156.32	-95.35	-36.13	-1548.51	-3082.44	-2960.52	-1670.43	-414.91
1	73	92	-89.36	-157.78	-138.19	-108.94	-30.93	-1704.22	-2402.69	-2341.13	-1765.78	-198.01
1	73	93	-104.23	-143.66	-124.29	-123.60	-19.71	-1801.94	-2076.21	-2051.37	-1826.79	-78.72
1	73	94	-115.26	-133.21	-116.99	-131.48	-5.29	-1844.32	-1948.28	-1948.25	-1844.35	1.67
1	73	95	-111.91	-134.45	-117.19	-129.17	9.55	-1772.71	-2001.77	-1966.85	-1807.63	82.35
1	73	96	-99.06	-143.27	-124.48	-117.85	21.86	-1632.59	-2187.89	-2107.78	-1712.70	195.11
1	73	97	-87.34	-153.08	-136.94	-103.48	28.30	-1420.50	-2578.07	-2438.27	-1560.29	377.20
1	73	98	-88.52	-159.37	-149.70	-98.19	24.32	-1155.00	-3290.55	-3088.32	-1357.23	625.28
1	73	99	-126.01	-161.41	-161.31	-126.11	-1.87	-1541.29	-3818.11	-3805.04	-1554.37	172.07
1	73	100	-85.24	-147.90	-147.73	-85.41	-3.34	-1673.47	-4280.26	-4229.75	-1723.97	-359.32
1	73	101	-57.39	-155.27	-134.52	-78.13	-40.00	-953.39	-3779.27	-3213.55	-1519.11	-1130.76
1	73	102	-58.48	-161.63	-125.56	-94.55	-49.19	-1350.90	-2893.52	-2503.74	-1740.68	-670.34
1	73	103	-73.70	-159.51	-115.04	-118.16	-42.87	-1689.96	-2445.92	-2145.40	-1990.48	-369.95
1	73	104	-91.31	-154.33	-106.85	-138.79	-27.17	-1877.48	-2287.73	-1972.56	-2192.65	-173.11
1	73	105	-101.44	-149.98	-102.44	-148.98	-6.89	-1902.13	-2282.14	-1902.24	-2282.03	-6.40
1	73	106	-97.96	-149.68	-102.06	-145.58	13.96	-1829.19	-2294.34	-1897.06	-2226.48	164.20
1	73	107	-83.92	-151.02	-105.63	-129.32	31.39	-1629.07	-2357.08	-1951.68	-2034.47	361.64
1	73	108	-68.36	-149.13	-112.45	-105.05	40.22	-1277.03	-2576.31	-2098.21	-1755.13	626.58
1	73	109	-62.47	-138.29	-119.11	-81.65	32.96	-854.87	-3045.49	-2441.74	-1458.63	978.81
1	73	110	-79.05	-132.40	-132.22	-79.23	-3.08	-1464.09	-2929.87	-2870.99	-1522.97	287.82
1	73	111	-26.50	-85.14	-84.84	-26.80	-4.22	-1008.99	-2511.24	-2377.48	-1142.75	-427.84
1	73	112	-29.02	-112.10	-84.15	-56.98	-39.26	-290.11	-3167.74	-2077.92	-1379.93	-1395.85
1	73	113	-38.11	-142.03	-87.49	-92.65	-51.90	-943.72	-2925.38	-1994.48	-1874.62	-989.01
1	73	114	-60.86	-159.10	-89.96	-130.00	-44.86	-1471.61	-2924.50	-1918.81	-2477.29	-670.63
1	73	115	-82.92	-167.85	-93.08	-157.69	-27.56	-1742.61	-3068.35	-1851.79	-2959.17	-364.46

1	73	116	-94.14	-170.81	-94.67	-170.28	-6.36	-1804.08	-3177.13	-1805.22	-3175.99	-39.48
1	73	117	-90.23	-168.74	-93.26	-165.71	15.12	-1713.33	-3137.68	-1778.43	-3072.59	297.45
1	73	118	-73.22	-159.86	-89.20	-143.88	33.60	-1437.76	-2985.35	-1757.64	-2665.46	626.67
1	73	119	-51.07	-140.69	-84.09	-107.67	43.23	-931.91	-2844.45	-1714.75	-2061.61	940.41
1	73	120	-36.17	-107.61	-80.30	-63.48	34.72	-287.22	-2809.98	-1609.03	-1488.18	1259.93
1	73	121	-17.75	-81.29	-81.24	-17.80	1.79	-966.09	-1810.88	-1603.20	-1173.77	363.75
1	73	122	5.44	-35.38	-34.42	4.49	-6.17	-309.32	-1381.80	-1222.58	-468.54	-381.33
1	73	123	20.09	-44.87	-44.26	19.48	6.27	-319.45	-1053.10	-789.21	-583.34	352.08
1	73	124	-15.82	-91.57	-52.68	-54.71	37.86	91.63	-2698.47	-1205.49	-1401.35	1391.61
1	73	125	-44.18	-133.02	-68.05	-109.15	39.38	-587.24	-3246.31	-1485.01	-2348.54	1257.47
1	73	126	-75.41	-164.24	-85.55	-154.11	28.24	-1228.28	-3763.00	-1598.16	-3393.12	894.84
1	73	127	-97.96	-181.21	-99.90	-179.27	12.57	-1579.33	-4172.64	-1651.80	-4100.17	427.42
1	73	128	-103.98	-185.13	-104.13	-184.98	-3.43	-1695.68	-4331.87	-1697.97	-4329.58	-77.60
1	73	129	-91.30	-176.33	-95.63	-172.00	-18.69	-1619.18	-4169.79	-1749.47	-4039.50	-561.55
1	73	130	-62.55	-153.86	-75.73	-140.68	-32.09	-1291.68	-3739.81	-1773.59	-3257.90	-973.42
1	73	131	-26.01	-116.07	-50.05	-92.03	-39.84	-600.32	-3186.92	-1671.43	-2115.82	-1274.07
1	73	132	-0.36	-62.98	-28.17	-35.17	-31.11	224.47	-2475.56	-1187.28	-1063.81	-1348.60
1	73	133	13.71	-22.95	-22.95	13.71	0.35	135.35	-677.67	-613.98	71.66	-218.46
1	73	134	105.75	-29.84	44.46	31.45	67.48	232.32	137.93	188.25	182.00	47.09
1	73	135	44.20	-30.29	41.49	-27.58	-13.95	-328.87	-911.22	-466.21	-773.88	-247.22
1	73	136	-16.36	-97.44	-16.71	-97.10	-5.27	-1544.21	-2595.82	-1620.54	-2519.49	-272.84
1	73	137	-79.99	-148.07	-80.02	-148.05	1.32	-2009.87	-4177.81	-2035.51	-4152.16	-234.38
1	73	138	-127.35	-179.41	-127.66	-179.10	4.03	-2138.44	-5289.98	-2145.52	-5282.91	-149.15
1	73	139	-150.59	-191.63	-150.79	-191.43	2.87	-2137.36	-5751.75	-2137.56	-5751.54	-27.01
1	73	140	-145.87	-186.05	-145.87	-186.05	0.26	-2064.93	-5515.66	-2069.15	-5511.44	120.64
1	73	141	-113.21	-161.56	-113.24	-161.53	-1.06	-1877.49	-4596.71	-1906.14	-4568.07	277.61
1	73	142	-57.20	-114.47	-57.21	-114.46	0.78	-1378.67	-3107.03	-1485.42	-3000.28	416.05
1	73	143	2.16	-44.89	2.11	-44.85	1.49	-220.50	-1319.53	-431.50	-1108.53	432.87
1	73	144	111.11	-37.76	21.56	51.79	-72.89	237.86	109.17	231.17	115.87	-28.58
1	76	1	113.48	-37.70	40.49	35.28	-75.55	107.97	-13.23	54.11	40.63	-60.22
1	76	2	32.90	-34.21	32.26	-33.56	6.55	-377.30	-1107.40	-494.94	-989.77	268.42
1	76	3	-22.84	-103.35	-22.89	-103.31	1.84	-1275.21	-2861.92	-1341.30	-2795.83	317.01
1	76	4	-84.32	-154.39	-84.34	-154.36	-1.37	-1631.49	-4479.02	-1652.37	-4458.13	242.98
1	76	5	-126.18	-184.64	-126.23	-184.60	-1.67	-1750.68	-5586.08	-1755.29	-5581.47	132.97
1	76	6	-143.68	-195.97	-143.68	-195.97	-0.26	-1782.62	-6029.78	-1782.64	-6029.76	8.21
1	76	7	-136.11	-189.61	-136.14	-189.58	1.39	-1753.57	-5762.59	-1757.11	-5759.05	-119.15
1	76	8	-103.99	-164.17	-104.05	-164.11	1.86	-1623.94	-4794.42	-1641.74	-4776.62	-236.91
1	76	9	-50.54	-116.55	-50.54	-116.55	-8.25e-02	-1250.91	-3220.16	-1305.56	-3165.52	-323.46
1	76	10	3.98	-45.68	3.75	-45.45	-3.39	-353.09	-1325.52	-452.66	-1225.95	-294.80
1	76	11	111.03	-43.04	24.44	43.56	76.44	105.71	-56.68	94.55	-45.53	41.08
1	76	12	15.66	-33.66	-33.66	15.66	0.25	-353.69	-1155.73	-1041.66	-467.76	280.14
1	76	13	-18.52	-73.86	-44.53	-47.85	27.62	-198.79	-2176.32	-1211.86	-1163.24	988.47
1	76	14	-34.17	-123.99	-59.32	-98.84	40.33	-711.24	-2560.23	-1315.84	-1955.63	867.38
1	76	15	-63.07	-159.56	-76.46	-146.17	33.35	-1064.74	-3133.25	-1277.27	-2920.72	628.06
1	76	16	-87.28	-180.31	-91.43	-176.17	19.20	-1186.83	-3664.35	-1230.81	-3620.37	327.16
1	76	17	-98.02	-188.04	-98.14	-187.91	3.39	-1209.40	-3907.03	-1209.43	-3907.00	-7.68
1	76	18	-92.68	-183.25	-94.42	-181.51	-12.44	-1163.61	-3780.68	-1210.53	-3733.76	-347.27
1	76	19	-72.76	-164.96	-81.51	-156.21	-27.02	-1010.24	-3321.46	-1215.17	-3116.54	-656.99
1	76	20	-44.98	-130.78	-64.57	-111.20	-36.01	-657.35	-2690.82	-1183.36	-2164.81	-890.47
1	76	21	-23.58	-80.63	-47.96	-56.26	-28.22	-182.27	-2101.25	-1012.12	-1271.41	-950.69
1	76	22	21.84	-38.60	-38.50	21.74	-2.46	-370.49	-874.17	-711.31	-533.34	-235.59
1	76	23	-41.23	-105.42	-105.04	-41.62	-4.97	-1237.12	-3035.22	-2971.81	-1300.53	331.66
1	76	24	-43.55	-123.46	-99.42	-67.59	36.65	-675.34	-2648.73	-2067.92	-1256.14	899.34
1	76	25	-51.74	-145.83	-97.90	-99.67	47.04	-1059.88	-2028.30	-1592.60	-1495.59	481.77
1	76	26	-69.17	-159.23	-95.73	-132.67	41.07	-1217.91	-1947.93	-1316.67	-1849.17	249.70
1	76	27	-85.80	-165.93	-94.49	-157.24	24.91	-1162.68	-2154.61	-1171.91	-2145.38	95.23
1	76	28	-93.37	-168.03	-93.65	-167.75	4.56	-1119.52	-2273.23	-1120.81	-2271.94	-38.60
1	76	29	-88.98	-165.94	-92.52	-162.40	-16.13	-1110.25	-2214.97	-1137.25	-2187.96	-170.60
1	76	30	-74.74	-158.46	-91.55	-141.66	-33.54	-1091.12	-2031.10	-1209.41	-1912.81	-311.77
1	76	31	-57.31	-143.46	-91.53	-109.24	-42.16	-936.82	-1942.80	-1342.13	-1537.49	-493.41
1	76	32	-45.61	-118.87	-92.20	-72.28	-35.25	-593.54	-2203.84	-1576.84	-1220.53	-785.19
1	76	33	-39.58	-98.78	-98.32	-40.04	5.15	-1104.22	-2136.97	-2064.97	-1176.22	-263.01
1	76	34	-102.81	-158.65	-157.38	-104.07	-8.31	-1586.92	-4778.55	-4756.83	-1608.64	262.41
1	76	35	-76.63	-160.48	-149.14	-87.96	28.67	-988.00	-3322.26	-3100.67	-1209.58	684.21
1	76	36	-74.48	-160.60	-135.06	-100.02	39.33	-1128.24	-2070.52	-1983.53	-1215.22	272.76
1	76	37	-86.34	-155.89	-121.80	-120.43	34.77	-1238.46	-1414.21	-1389.26	-1263.41	61.34
1	76	38	-99.94	-150.24	-111.83	-138.34	21.37	-1102.54	-1318.77	-1104.25	-1317.06	-19.17
1	76	39	-106.30	-147.15	-106.66	-146.79	3.82	-1001.99	-1344.27	-1008.84	-1337.41	-47.96
1	76	40	-101.90	-147.84	-106.73	-143.01	-14.08	-1028.85	-1323.20	-1047.52	-1304.53	-71.74
1	76	41	-90.28	-149.73	-111.82	-128.19	-28.58	-1091.52	-1351.48	-1218.75	-1224.25	-129.95
1	76	42	-78.70	-149.84	-120.89	-107.66	-34.95	-992.32	-1713.28	-1581.14	-1124.46	-278.94
1	76	43	-78.34	-144.84	-131.84	-91.34	-26.37	-822.32	-2492.04	-2276.92	-1037.45	-559.39
1	76	44	-99.04	-140.08	-138.35	-100.78	8.25	-1258.48	-3292.04	-3273.35	-1277.16	-194.04
1	76	45	-145.68	-190.94	-189.39	-147.24	-8.24	-1700.83	-6021.63	-6015.83	-1706.63	158.22
1	76	46	-102.63	-184.25	-181.40	-105.49	14.99	-1090.01	-3936.98	-3877.50	-1149.48	407.17
1	76	47	-93.16	-170.73	-163.05	-100.84	23.18	-1036.02	-2334.16	-2319.65	-1050.53	136.51
1	76	48	-101.20	-154.47	-144.19	-111.48	21.02	-958.85	-1462.09	-1462.05	-958.88	-4.06
1	76	49	-113.74	-140.08	-129.67	-124.15	12.87	-878.26	-1059.70	-1048.11	-889.85	-44.37
1	76	50	-121.75	-131.29	-122.16	-130.88	1.94	-831.10	-930.01	-909.81	-851.30	-39.88

1	76	51	-115.90	-135.24	-122.63	-128.51	-9.21	-833.32	-977.01	-970.15	-840.18	-30.63
1	76	52	-105.60	-143.46	-130.44	-118.62	-17.98	-842.91	-1240.40	-1233.51	-849.80	-51.87
1	76	53	-97.88	-153.03	-143.19	-107.73	-21.12	-845.50	-1806.98	-1784.87	-867.61	-144.10
1	76	54	-104.16	-160.02	-156.10	-108.07	-14.26	-826.97	-2831.08	-2778.58	-879.46	-320.07
1	76	55	-138.52	-162.70	-160.62	-140.61	6.79	-1217.46	-4080.90	-4076.61	-1221.75	-110.76
1	76	56	-166.66	-205.32	-204.66	-167.33	-5.01	-1727.77	-6621.77	-6621.44	-1728.10	40.41
1	76	57	-114.50	-195.73	-195.73	-114.50	0.24	-1106.74	-4263.11	-4259.98	-1109.88	99.49
1	76	58	-101.24	-177.33	-177.13	-101.45	3.96	-968.86	-2492.59	-2492.31	-969.15	20.78
1	76	59	-106.66	-156.58	-156.28	-106.96	3.83	-823.82	-1500.86	-1500.36	-824.32	-18.37
1	76	60	-116.83	-140.07	-139.89	-117.00	2.02	-704.99	-1018.82	-1016.42	-707.39	-27.36
1	76	61	-122.90	-131.40	-131.37	-122.94	-0.54	-642.75	-855.94	-853.69	-645.00	-21.79
1	76	62	-120.50	-132.76	-131.88	-121.37	-3.15	-640.84	-926.23	-925.57	-641.50	-13.75
1	76	63	-113.14	-141.55	-140.59	-114.09	-5.13	-684.03	-1238.54	-1238.18	-684.39	-14.20
1	76	64	-107.63	-154.94	-154.25	-108.32	-5.64	-744.00	-1885.26	-1884.18	-745.08	-35.09
1	76	65	-116.63	-166.32	-166.18	-116.78	-2.69	-793.11	-3017.06	-3014.07	-796.10	-81.49
1	76	66	-158.43	-171.14	-170.93	-158.64	1.63	-1170.55	-4443.33	-4443.11	-1170.77	-27.04
1	76	67	-164.22	-205.92	-205.62	-164.52	-3.52	-1701.27	-6541.15	-6539.82	-1702.59	-80.09
1	76	68	-111.21	-195.42	-194.00	-112.63	-10.86	-1065.11	-4204.71	-4189.46	-1080.36	-218.27
1	76	69	-97.29	-178.94	-175.75	-100.48	-15.82	-938.06	-2457.59	-2452.25	-943.40	-89.90
1	76	70	-103.42	-158.84	-154.93	-107.33	-14.19	-804.84	-1483.78	-1483.08	-805.54	-21.84
1	76	71	-114.40	-142.41	-138.74	-118.08	-9.46	-697.61	-1010.50	-1010.49	-697.62	-1.85
1	76	72	-122.92	-131.75	-130.31	-124.37	-3.26	-641.86	-850.63	-850.60	-641.89	-2.60
1	76	73	-121.74	-131.80	-130.75	-122.78	3.07	-640.52	-918.97	-918.93	-640.56	-3.34
1	76	74	-112.52	-141.79	-139.33	-114.97	8.12	-681.57	-1222.15	-1221.81	-681.92	13.64
1	76	75	-105.72	-155.22	-153.14	-107.80	9.93	-736.51	-1855.32	-1851.30	-740.52	66.92
1	76	76	-114.73	-165.42	-164.97	-115.18	4.75	-777.48	-2974.90	-2963.29	-789.09	159.32
1	76	77	-155.95	-172.92	-172.64	-156.23	-2.18	-1170.72	-4395.93	-4394.93	-1171.72	56.80
1	76	78	-151.49	-188.94	-188.80	-151.63	2.27	-1637.94	-6108.64	-6103.08	-1643.50	-157.62
1	76	79	-98.16	-194.50	-188.73	-103.93	-22.86	-1008.96	-3956.50	-3899.20	-1066.26	-406.93
1	76	80	-89.86	-176.07	-165.98	-99.94	-27.71	-933.86	-2336.17	-2317.25	-952.78	-161.77
1	76	81	-97.65	-159.24	-146.79	-110.09	-24.73	-852.36	-1446.34	-1444.43	-854.27	-33.63
1	76	82	-110.78	-144.24	-132.10	-122.92	-16.09	-784.03	-1020.85	-1020.76	-784.12	4.60
1	76	83	-121.74	-132.70	-124.39	-130.05	-4.69	-749.43	-876.62	-876.41	-749.64	5.13
1	76	84	-119.20	-133.54	-124.68	-128.06	6.97	-746.51	-934.76	-934.63	-746.64	4.94
1	76	85	-107.69	-143.12	-132.36	-118.45	16.29	-764.36	-1203.84	-1200.95	-767.24	35.49
1	76	86	-99.30	-153.96	-145.31	-107.95	19.94	-780.27	-1779.77	-1761.85	-798.19	132.62
1	76	87	-103.06	-166.54	-162.65	-106.96	15.24	-780.64	-2818.95	-2772.21	-827.39	305.11
1	76	88	-140.46	-163.52	-159.05	-144.93	-9.12	-1178.61	-4125.88	-4121.37	-1183.12	115.19
1	76	89	-137.91	-188.12	-188.01	-138.01	-2.27	-1614.78	-5756.41	-5747.88	-1623.30	-187.72
1	76	90	-88.49	-186.11	-175.17	-99.43	-30.80	-985.03	-3780.17	-3683.14	-1082.07	-511.67
1	76	91	-82.09	-174.88	-158.31	-98.66	-35.54	-959.33	-2251.22	-2218.48	-992.07	-203.02
1	76	92	-92.71	-159.93	-140.55	-112.09	-30.45	-920.14	-1425.28	-1421.28	-924.14	-44.74
1	76	93	-107.42	-146.09	-126.92	-126.59	-19.34	-883.20	-1035.54	-1035.44	-883.30	3.89
1	76	94	-118.18	-135.95	-119.77	-134.37	-5.06	-862.96	-904.46	-902.93	-864.48	7.81
1	76	95	-114.71	-137.35	-119.97	-132.10	9.56	-857.10	-954.51	-953.26	-858.35	10.96
1	76	96	-102.29	-145.86	-127.08	-121.07	21.58	-852.82	-1198.52	-1191.03	-860.31	50.33
1	76	97	-91.32	-155.16	-139.17	-107.31	27.66	-833.93	-1731.21	-1697.58	-867.56	170.43
1	76	98	-93.67	-160.70	-151.33	-103.04	23.25	-792.25	-2715.00	-2632.60	-874.64	389.41
1	76	99	-132.11	-162.53	-162.04	-132.60	-3.83	-1205.66	-3902.08	-3895.90	-1211.84	128.91
1	76	100	-87.97	-148.90	-148.88	-87.99	-1.18	-1426.32	-4355.27	-4326.96	-1454.63	-286.58
1	76	101	-61.21	-156.10	-136.15	-81.16	-38.66	-830.00	-3121.83	-2832.08	-1119.75	-761.65
1	76	102	-62.28	-163.16	-127.78	-97.67	-48.14	-1014.99	-2002.86	-1864.66	-1153.19	-342.67
1	76	103	-77.34	-161.53	-117.72	-121.16	-42.06	-1163.10	-1443.41	-1348.67	-1257.84	-132.59
1	76	104	-94.71	-156.69	-109.80	-141.59	-26.60	-1085.93	-1375.92	-1093.12	-1368.72	-45.11
1	76	105	-104.56	-152.55	-105.50	-151.62	-6.62	-999.19	-1424.97	-999.20	-1424.95	2.62
1	76	106	-100.98	-152.24	-105.05	-148.18	13.85	-1015.67	-1403.48	-1022.92	-1396.23	52.52
1	76	107	-87.24	-153.25	-108.38	-132.11	30.80	-1076.18	-1377.10	-1162.77	-1290.51	136.23
1	76	108	-72.40	-150.76	-114.78	-108.38	39.05	-965.90	-1652.41	-1465.28	-1153.03	305.69
1	76	109	-67.62	-139.02	-120.79	-85.85	31.13	-755.60	-2347.65	-2060.36	-1042.89	612.25
1	76	110	-83.69	-133.90	-133.19	-84.40	-5.93	-1210.21	-2987.49	-2961.09	-1236.62	215.03
1	76	111	-28.09	-86.44	-86.38	-28.15	-1.86	-928.37	-2545.69	-2474.13	-999.93	-332.58
1	76	112	-33.49	-112.49	-86.25	-59.73	-37.21	-460.52	-2442.69	-1803.87	-1099.33	-926.37
1	76	113	-42.61	-143.23	-90.41	-95.43	-50.25	-892.17	-2044.64	-1501.83	-1434.98	-575.26
1	76	114	-65.11	-160.92	-93.38	-132.65	-43.70	-1124.79	-2091.94	-1296.77	-1919.97	-369.80
1	76	115	-86.85	-169.98	-96.70	-160.13	-26.87	-1132.81	-2361.49	-1166.86	-2327.44	-201.69
1	76	116	-97.73	-173.00	-98.24	-172.49	-6.17	-1104.81	-2517.41	-1105.34	-2516.88	-27.47
1	76	117	-93.62	-170.74	-96.56	-167.80	14.76	-1084.92	-2452.74	-1103.08	-2434.59	156.52
1	76	118	-76.75	-161.43	-92.11	-146.07	32.63	-1039.18	-2208.13	-1149.92	-2097.40	342.32
1	76	119	-55.24	-141.61	-86.57	-110.28	41.53	-852.31	-1991.22	-1233.84	-1609.70	537.55
1	76	120	-41.50	-107.64	-82.19	-66.95	32.18	-463.68	-2067.84	-1341.36	-1190.16	798.51
1	76	121	-21.67	-82.71	-82.67	-21.70	-1.47	-921.31	-1784.95	-1692.41	-1013.86	267.14
1	76	122	3.70	-36.95	-36.57	3.32	-3.92	-382.17	-1396.02	-1310.24	-467.95	-282.15
1	76	123	16.32	-46.17	-46.06	16.20	2.70	-454.24	-1012.90	-877.16	-589.99	239.60
1	76	124	-21.40	-91.33	-55.02	-57.71	34.94	-214.71	-2014.57	-1017.66	-1211.62	894.69
1	76	125	-48.28	-133.45	-70.55	-111.18	37.43	-641.86	-2528.24	-1127.56	-2042.54	824.81
1	76	126	-79.01	-165.29	-88.45	-155.84	26.94	-970.78	-3180.40	-1144.47	-3006.71	594.65
1	76	127	-101.67	-182.68	-103.44	-180.91	11.84	-1121.97	-3709.54	-1153.11	-3678.40	282.17
1	76	128	-108.14	-186.86	-108.30	-186.70	-3.52	-1184.88	-3913.29	-1186.32	-3911.84	-62.73
1	76	129	-96.05	-178.11	-100.23	-173.92	-18.05	-1188.92	-3722.77	-1251.80	-3659.89	-394.18

1	76	130	-67.81	-155.33	-80.35	-142.79	-30.67	-1083.79	-3188.54	-1326.18	-2946.15	-671.88
1	76	131	-31.62	-116.80	-54.22	-94.20	-37.61	-704.47	-2528.06	-1333.24	-1899.29	-866.76
1	76	132	-6.51	-62.99	-31.60	-37.91	-28.06	-103.07	-1893.07	-1045.22	-950.92	-893.76
1	76	133	12.52	-26.12	-25.92	12.32	2.77	-36.75	-751.54	-722.45	-65.84	-141.21
1	76	134	101.42	-36.42	38.93	26.06	68.62	88.66	-12.78	18.31	57.57	46.77
1	76	135	39.19	-31.14	37.65	-29.60	-10.29	-422.55	-932.58	-492.09	-863.04	-175.02
1	76	136	-22.26	-98.61	-22.32	-98.55	-2.16	-1338.44	-2651.40	-1374.12	-2615.73	-213.46
1	76	137	-86.60	-149.36	-86.75	-149.21	3.02	-1668.66	-4268.20	-1682.30	-4254.56	-187.82
1	76	138	-133.64	-180.50	-134.02	-180.12	4.22	-1753.39	-5393.55	-1757.44	-5389.50	-121.35
1	76	139	-155.81	-192.52	-155.92	-192.42	1.94	-1748.73	-5860.48	-1748.87	-5860.35	-23.94
1	76	140	-149.56	-187.16	-149.61	-187.11	-1.39	-1698.38	-5622.59	-1700.64	-5620.33	94.16
1	76	141	-115.50	-162.98	-115.71	-162.76	-3.21	-1568.19	-4690.61	-1583.57	-4675.23	218.60
1	76	142	-58.58	-116.03	-58.63	-115.98	-1.66	-1211.49	-3160.39	-1266.80	-3105.08	323.63
1	76	143	0.94	-47.10	0.91	-47.08	-1.06	-353.19	-1322.42	-464.11	-1211.50	308.55
1	76	144	107.19	-43.86	16.60	46.74	-74.01	97.81	-63.23	84.39	-49.80	-44.52

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-267.70	-267.34	-254.96	-98.40		-8625.86	-8625.46	-7857.95	-1915.01
	152.88		59.16	67.57	99.53	340.79		332.83	252.63	1944.46

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
6	2	335	-169.55	-556.05	-367.71	-357.88	-193.19	670.65	-774.10	663.57	-767.02	-100.89
6	2	336	157.20	-85.76	-78.28	149.72	41.96	181.64	-130.26	152.50	-101.12	-90.78
6	2	337	-26.89	-127.76	-124.41	-30.24	-18.08	22.88	-822.48	18.71	-818.30	59.27
6	2	338	-62.46	-127.20	-117.07	-72.59	-23.52	3.60	-1407.55	2.57	-1406.52	38.12
6	2	339	-65.72	-107.59	-91.50	-81.81	-20.36	2.23	-1563.71	1.85	-1563.33	24.34
6	2	340	-58.57	-89.52	-71.69	-76.40	-15.30	-24.84	-1459.79	-24.98	-1459.65	14.17
6	2	341	-46.69	-77.84	-55.16	-69.36	-13.87	-65.10	-1304.70	-65.17	-1304.63	9.41
6	2	342	-31.33	-66.16	-36.63	-60.85	-12.51	-112.96	-1088.51	-113.01	-1088.46	6.95
6	2	343	-6.43	-44.32	-9.19	-41.57	-9.83	-190.84	-687.97	-191.96	-686.85	23.56
6	2	344	46.17	-30.52	11.66	3.99	38.15	-190.66	-260.73	-221.85	-229.54	34.82
6	2	346	-81.53	-615.95	-325.88	-371.59	-266.23	14.29	-56.73	-22.88	-19.56	-35.47
6	2	347	69.33	-349.16	-285.19	5.36	-150.60	225.42	-116.34	-39.10	148.18	-142.94
6	2	348	-12.40	-167.19	-139.74	-39.85	-59.13	192.29	125.38	172.29	145.38	-30.63
6	2	349	-33.36	-135.13	-94.84	-73.65	-49.77	377.18	-112.37	374.51	-109.70	36.07
6	2	350	-32.38	-122.10	-71.23	-83.25	-44.46	420.92	-253.63	400.48	-233.19	115.63
6	2	351	-25.86	-116.45	-60.48	-81.83	-44.02	380.42	-274.49	336.93	-231.01	163.05
6	2	352	-21.60	-108.86	-53.80	-76.67	-42.11	313.37	-279.65	244.51	-210.79	189.99
6	2	353	-17.99	-98.52	-48.57	-67.94	-39.08	221.41	-290.48	113.34	-182.41	208.91
6	2	354	-15.04	-81.16	-43.36	-52.84	-32.72	81.08	-364.19	-118.29	-164.82	221.42
6	2	355	-21.66	-37.05	-36.91	-21.80	-1.42	-236.43	-694.29	-693.25	-237.47	21.77
6	2	357	70.27	-324.65	-23.98	-230.40	-168.34	-69.28	-1896.73	-1879.41	-86.61	177.11
6	2	358	73.91	-292.02	-86.32	-131.78	-181.55	267.95	-508.76	-495.07	254.26	102.21
6	2	359	27.85	-200.03	-92.28	-79.90	-113.77	514.70	184.51	232.50	466.71	-116.37
6	2	360	-1.63	-155.98	-71.34	-86.27	-76.82	639.52	472.72	617.47	494.77	-56.49
6	2	361	-12.32	-138.63	-61.13	-89.82	-61.50	706.07	412.51	681.10	437.48	81.89
6	2	362	-16.04	-131.02	-59.75	-87.31	-55.81	663.96	294.07	577.14	380.89	156.76
6	2	363	-19.21	-124.87	-59.89	-84.19	-51.41	576.57	174.96	426.22	325.31	194.36
6	2	364	-23.34	-117.40	-60.80	-79.93	-46.05	444.48	18.30	208.94	253.85	211.90
6	2	365	-32.22	-104.37	-63.02	-73.56	-35.69	204.95	-294.56	-214.01	124.40	183.70
6	2	366	-67.08	-70.69	-67.94	-69.83	-1.54	-173.48	-1413.05	-1413.05	-173.48	-1.90
6	2	368	137.89	-181.98	102.41	-146.50	-100.45	-335.54	-3451.46	-3448.01	-339.00	103.64
6	2	369	102.63	-219.68	38.43	-155.49	-128.72	262.85	-1199.25	-1188.54	252.14	124.69
6	2	370	54.18	-187.93	-10.59	-123.16	-107.17	571.81	129.70	149.80	551.70	-92.11
6	2	371	16.44	-158.65	-33.23	-108.98	-78.93	827.69	660.71	780.12	708.28	-75.37
6	2	372	-8.25	-141.22	-47.22	-102.25	-60.53	899.27	702.61	891.87	710.01	37.41
6	2	373	-20.32	-133.99	-55.43	-98.88	-52.52	806.19	583.20	745.38	644.02	99.31
6	2	374	-29.12	-129.21	-61.44	-96.88	-46.81	680.76	423.12	536.01	567.87	127.83
6	2	375	-38.60	-124.47	-67.39	-95.69	-40.54	532.51	170.64	234.84	468.31	138.23
6	2	376	-54.48	-117.39	-75.51	-96.36	-29.68	308.91	-370.34	-351.98	290.55	110.15
6	2	377	-82.44	-110.47	-82.45	-110.46	-0.54	-102.72	-1913.00	-1913.00	-102.73	-2.43
6	2	379	159.24	-127.89	148.80	-117.45	-53.74	-505.83	-4433.98	-4432.29	-507.53	81.51
6	2	380	116.99	-166.47	97.65	-147.14	-71.46	187.62	-1687.51	-1683.12	183.22	90.70
6	2	381	65.31	-164.11	42.76	-141.56	-68.29	548.94	33.08	38.83	543.19	-54.15
6	2	382	19.82	-147.21	-0.58	-126.81	-54.69	889.17	739.32	866.51	761.98	-53.68
6	2	383	-15.15	-132.63	-32.84	-114.95	-42.01	1023.92	805.90	1023.09	806.74	13.46
6	2	384	-32.52	-126.94	-48.68	-110.78	-35.57	869.23	729.22	846.87	751.58	51.29
6	2	385	-44.32	-124.18	-59.00	-109.50	-30.93	717.70	558.25	596.84	679.10	68.30
6	2	386	-55.99	-122.59	-68.40	-110.18	-25.93	596.99	224.30	239.60	581.68	73.96
6	2	387	-72.66	-122.22	-80.46	-114.42	-18.05	416.19	-452.86	-449.31	412.64	55.45

6	2	388	-87.13	-148.63	-87.75	-148.02	6.11	-17.93	-2219.81	-2219.76	-17.98	-10.06
6	2	390	169.15	-93.04	168.25	-92.13	-15.40	-571.67	-4875.01	-4874.95	-571.72	16.00
6	2	391	122.19	-144.43	120.66	-142.90	-20.19	150.22	-1928.27	-1928.14	150.09	16.58
6	2	392	67.51	-148.71	65.62	-146.82	-20.13	530.28	-20.35	-19.71	529.64	-18.74
6	2	393	17.44	-136.73	15.66	-134.95	-16.47	907.49	773.94	906.06	775.37	-13.77
6	2	394	-22.97	-123.66	-24.52	-122.10	-12.41	1088.07	841.36	1087.63	841.80	10.42
6	2	395	-42.58	-119.11	-43.95	-117.74	-10.16	904.81	789.57	899.06	795.33	25.10
6	2	396	-54.96	-118.09	-56.15	-116.90	-8.56	738.63	621.44	631.91	728.16	33.42
6	2	397	-65.93	-119.40	-66.83	-118.50	-6.88	639.89	248.20	252.17	635.92	39.24
6	2	398	-78.23	-127.08	-78.67	-126.64	-4.61	475.61	-480.58	-478.39	473.42	45.73
6	2	399	-84.46	-158.77	-84.60	-158.63	3.17	95.03	-2231.42	-2231.41	95.02	3.63
6	2	401	165.49	-101.08	163.93	-99.52	20.35	-564.50	-4820.07	-4819.18	-565.39	-61.47
6	2	402	120.21	-144.56	117.02	-141.37	28.89	159.53	-1876.80	-1875.00	157.74	-60.50
6	2	403	66.48	-150.01	62.37	-145.91	29.54	551.12	4.34	4.94	550.52	18.09
6	2	404	17.49	-138.09	13.30	-133.90	25.18	923.46	788.37	915.78	796.05	31.28
6	2	405	-21.62	-125.34	-25.73	-121.23	20.23	1095.11	857.24	1094.50	857.84	12.01
6	2	406	-40.54	-120.85	-44.58	-116.82	17.54	909.88	806.34	909.84	806.38	2.05
6	2	407	-52.68	-119.58	-56.46	-115.80	15.45	733.98	647.57	647.57	733.98	-1.44e-02
6	2	408	-63.77	-120.17	-66.97	-116.97	13.04	634.31	274.58	274.61	634.28	3.36
6	2	409	-77.06	-124.46	-78.89	-122.63	9.14	452.81	-438.60	-438.05	452.26	22.21
6	2	410	-91.38	-158.99	-91.79	-158.58	-5.25	57.28	-2202.96	-2202.79	57.11	19.57
6	2	413	152.73	-127.04	138.59	-112.91	61.27	-477.36	-4302.98	-4301.70	-478.65	-70.23
6	2	414	112.76	-173.95	87.10	-148.29	81.83	252.65	-1554.47	-1547.58	245.75	-111.44
6	2	415	61.45	-167.40	31.95	-137.91	76.69	609.98	96.79	104.55	602.21	62.64
6	2	416	18.72	-149.91	-7.67	-123.51	61.27	930.23	773.16	888.36	815.04	69.45
6	2	417	-13.04	-135.82	-36.24	-112.62	48.06	1036.29	847.31	1036.28	847.32	-0.93
6	2	418	-28.67	-130.12	-50.38	-108.41	41.61	885.08	766.56	869.30	782.34	-40.26
6	2	419	-39.52	-126.90	-59.68	-106.74	36.81	733.17	598.12	630.29	701.00	-57.54
6	2	420	-50.60	-124.31	-68.23	-106.68	31.45	604.79	274.82	287.34	592.27	-63.04
6	2	421	-67.02	-122.16	-78.76	-110.42	22.57	400.99	-378.66	-375.72	398.05	-47.74
6	2	422	-86.96	-132.09	-87.04	-132.01	-1.90	-32.96	-2126.87	-2126.86	-32.97	4.11
6	2	424	125.71	-207.84	79.02	-161.15	115.73	-199.00	-3014.81	-3006.94	-206.87	-148.65
6	2	425	91.97	-229.49	10.85	-148.37	139.63	343.49	-972.05	-958.26	329.70	-133.98
6	2	426	46.07	-190.45	-30.45	-113.93	110.65	652.63	203.86	231.45	625.04	107.78
6	2	427	11.92	-159.78	-43.98	-103.88	80.45	863.36	691.80	795.92	759.25	83.80
6	2	428	-8.22	-143.38	-52.02	-99.58	63.26	904.35	733.98	895.70	742.64	-37.42
6	2	429	-17.65	-136.24	-57.77	-96.12	56.11	829.39	602.44	760.77	671.06	-104.23
6	2	430	-24.79	-131.02	-62.33	-93.48	50.78	715.61	442.12	565.44	592.29	-136.09
6	2	431	-32.90	-125.45	-67.10	-91.26	44.67	568.65	204.00	281.87	490.78	-149.43
6	2	432	-47.16	-116.40	-74.33	-89.24	33.81	340.57	-302.51	-277.27	315.33	-124.88
6	2	433	-80.43	-102.50	-80.90	-102.02	3.22	-81.77	-1814.71	-1814.68	-81.80	6.98
6	2	435	37.42	-360.93	-84.31	-239.21	183.50	96.59	-1340.45	-1328.02	84.15	-133.11
6	2	436	61.07	-296.71	-127.44	-108.20	178.63	334.79	-267.46	-264.93	332.26	-38.97
6	2	437	15.56	-194.67	-112.72	-66.39	102.53	554.72	233.15	283.91	503.95	117.25
6	2	438	-10.47	-154.41	-81.85	-83.03	71.97	624.09	451.69	610.60	465.18	46.31
6	2	439	-16.38	-139.03	-66.80	-88.61	60.35	689.01	360.77	663.82	385.95	-87.37
6	2	440	-16.72	-131.46	-62.51	-85.66	56.19	653.17	257.65	572.49	338.33	-159.38
6	2	441	-17.32	-124.95	-60.69	-81.57	52.79	576.25	155.98	436.83	295.40	-197.88
6	2	442	-18.98	-116.74	-59.72	-76.00	48.20	459.00	22.12	240.99	240.13	-218.44
6	2	443	-24.33	-102.40	-59.34	-67.39	38.83	234.56	-238.66	-134.20	130.10	-196.26
6	2	444	-55.11	-63.78	-61.36	-57.53	3.89	-127.96	-1218.38	-1218.37	-127.97	3.45
6	2	446	-60.10	-554.93	-273.34	-341.69	245.05	148.61	-182.37	-181.67	147.90	-15.29
6	2	447	67.17	-357.58	-282.27	-8.14	162.22	325.91	-85.69	-30.45	270.66	140.31
6	2	448	-13.47	-170.18	-141.00	-42.65	60.99	265.08	198.51	223.82	239.77	32.31
6	2	449	-35.08	-140.29	-100.32	-75.05	51.07	417.78	-85.19	414.72	-82.13	-39.15
6	2	450	-36.39	-125.22	-77.83	-83.78	44.31	435.16	-294.59	417.84	-277.27	-111.09
6	2	451	-29.43	-117.97	-65.82	-81.58	43.56	380.32	-335.62	346.94	-302.25	-150.92
6	2	452	-24.14	-108.87	-57.25	-75.76	41.34	302.14	-338.82	252.40	-289.08	-171.49
6	2	453	-18.49	-96.50	-49.33	-65.66	38.14	200.78	-329.58	125.09	-253.89	-185.51
6	2	454	-11.39	-74.87	-38.63	-47.63	31.42	65.36	-358.39	-93.74	-199.28	-205.20
6	2	456	-13.74	-29.28	-29.26	-13.76	-0.54	-194.09	-517.34	-512.01	-199.42	-41.17
6	2	467	-158.63	-592.16	-385.90	-364.89	216.51	759.01	-719.60	745.41	-706.01	141.14
6	2	468	153.39	-108.35	-101.83	146.87	-40.79	191.17	-113.37	166.00	-88.20	83.86
6	2	469	-26.50	-142.71	-138.10	-31.11	22.68	51.66	-807.88	47.74	-803.97	-57.88
6	2	470	-61.88	-139.36	-128.21	-73.03	27.20	43.14	-1390.66	42.39	-1389.91	-32.75
6	2	471	-66.25	-116.47	-100.60	-82.12	23.35	45.59	-1544.67	45.39	-1544.47	-17.93
6	2	472	-60.28	-95.10	-79.14	-76.24	17.35	17.82	-1439.63	17.77	-1439.59	-8.42
6	2	473	-48.95	-80.70	-61.16	-68.49	15.44	-23.04	-1279.64	-23.06	-1279.63	-4.27
6	2	474	-33.85	-67.14	-41.09	-59.89	13.73	-74.22	-1061.96	-74.22	-1061.95	-2.81
6	2	475	-8.64	-42.39	-11.88	-39.15	9.94	-159.88	-655.65	-160.35	-655.18	-15.25
6	2	476	46.18	-28.50	17.91	-0.22	-36.22	-192.55	-263.14	-259.74	-195.95	-15.12
6	3	335	-174.44	-613.25	-413.92	-373.77	-218.49	1004.70	-606.23	1004.54	-606.07	-16.03
6	3	336	162.42	-98.83	-90.70	154.29	45.37	304.44	-99.10	304.44	-99.10	-0.63
6	3	337	-27.43	-125.92	-124.22	-29.13	-12.82	-212.35	-802.51	-238.33	-776.53	121.07
6	3	338	-65.20	-118.88	-111.94	-72.14	-18.02	-429.85	-1362.77	-433.76	-1358.87	60.25
6	3	339	-67.10	-98.70	-84.52	-81.28	-15.71	-485.95	-1508.26	-485.96	-1508.26	1.39
6	3	340	-57.05	-82.90	-64.41	-75.54	-11.66	-488.11	-1399.84	-489.33	-1398.62	-33.24
6	3	341	-43.11	-73.00	-47.94	-68.17	-11.00	-474.84	-1240.40	-478.62	-1236.61	-53.73
6	3	342	-26.50	-62.62	-29.83	-59.29	-10.45	-434.99	-1022.96	-443.31	-1014.64	-69.46

6	3	343	-1.39	-41.48	-3.53	-39.34	-9.02	-294.47	-623.07	-311.30	-606.24	-72.45
6	3	344	49.65	-28.01	14.91	6.73	38.61	-82.71	-125.24	-104.41	-103.54	21.26
6	3	346	-78.23	-637.97	-326.64	-389.55	-278.10	206.15	-151.47	171.54	-116.86	105.73
6	3	347	68.20	-364.87	-293.41	-3.27	-160.75	183.25	-525.79	-163.39	-179.16	354.43
6	3	348	-14.60	-171.70	-143.87	-42.44	-59.99	37.50	-564.08	-249.90	-276.68	300.49
6	3	349	-36.27	-133.08	-95.38	-73.97	-47.20	-157.13	-646.53	-218.23	-585.42	161.78
6	3	350	-34.31	-117.51	-69.70	-82.12	-41.14	-241.24	-701.14	-242.64	-699.74	25.36
6	3	351	-26.93	-111.40	-58.40	-79.93	-40.84	-277.49	-664.50	-282.99	-659.00	-45.81
6	3	352	-22.11	-103.68	-51.50	-74.28	-39.16	-298.94	-627.38	-328.89	-597.44	-94.54
6	3	353	-18.01	-93.31	-46.18	-65.14	-36.44	-297.71	-604.51	-386.04	-516.18	-138.92
6	3	354	-14.48	-76.10	-41.00	-49.58	-30.51	-248.00	-636.81	-465.85	-418.95	-192.99
6	3	355	-17.45	-34.94	-34.92	-17.46	-0.49	-246.42	-655.24	-635.06	-266.60	-88.56
6	3	357	78.13	-351.08	-23.94	-249.02	-182.73	-312.65	-1742.51	-1683.51	-371.65	284.39
6	3	358	72.56	-308.34	-88.54	-147.24	-188.17	139.02	-1163.34	-846.50	-177.82	558.79
6	3	359	24.90	-208.09	-95.80	-87.39	-116.42	-27.47	-544.91	-450.23	-122.15	200.07
6	3	360	-4.82	-157.95	-74.03	-88.74	-76.21	-133.30	-292.69	-250.31	-175.68	70.42
6	3	361	-15.06	-136.78	-62.64	-89.19	-59.40	-215.48	-247.26	-232.67	-230.07	15.83
6	3	362	-18.20	-127.89	-60.73	-85.36	-53.45	-241.23	-302.29	-299.21	-244.32	-13.37
6	3	363	-20.86	-121.16	-60.57	-81.45	-49.05	-240.49	-399.50	-387.41	-252.57	-42.14
6	3	364	-24.39	-113.36	-61.24	-76.52	-43.83	-239.56	-534.11	-509.98	-263.70	-80.79
6	3	365	-32.24	-100.40	-63.10	-69.54	-33.92	-224.81	-805.31	-745.98	-284.13	-175.84
6	3	366	-64.83	-67.40	-67.40	-64.83	-0.13	-410.93	-1398.27	-1389.64	-419.55	-91.87
6	3	368	142.23	-215.36	103.37	-176.50	-111.30	-567.00	-3242.24	-3228.46	-580.78	191.52
6	3	369	101.30	-239.71	36.05	-174.47	-134.13	-39.75	-1836.14	-1701.84	-174.05	472.46
6	3	370	50.94	-198.67	-13.95	-133.78	-109.48	-57.72	-772.56	-737.65	-92.63	154.07
6	3	371	12.73	-162.95	-36.72	-113.49	-79.01	-47.16	-309.36	-305.96	-50.57	29.68
6	3	372	-11.57	-141.12	-50.17	-102.51	-59.25	-58.79	-233.61	-233.60	-58.79	-0.87
6	3	373	-23.10	-132.16	-57.99	-97.27	-50.87	-82.03	-330.35	-329.43	-82.95	-15.05
6	3	374	-31.39	-126.45	-63.75	-94.09	-45.05	-106.04	-466.21	-462.93	-109.32	-34.21
6	3	375	-40.27	-121.06	-69.49	-91.84	-38.82	-135.49	-661.29	-653.57	-143.21	-63.26
6	3	376	-55.15	-113.40	-77.56	-90.99	-28.34	-176.37	-1051.43	-1030.41	-197.39	-133.97
6	3	377	-83.37	-106.67	-83.40	-106.64	-0.75	-423.48	-1931.13	-1928.67	-425.94	-60.90
6	3	379	161.32	-165.13	150.45	-154.26	-58.57	-710.40	-4194.58	-4191.20	-713.78	108.52
6	3	380	115.68	-188.28	95.77	-168.37	-75.20	-194.02	-2312.42	-2275.86	-230.57	275.85
6	3	381	62.01	-176.78	39.43	-154.20	-69.88	-104.87	-986.59	-976.72	-114.74	92.74
6	3	382	15.88	-153.02	-4.40	-132.74	-54.90	-31.14	-363.44	-362.96	-31.63	12.74
6	3	383	-18.75	-133.59	-36.33	-116.01	-41.35	-9.09	-240.86	-240.78	-9.17	-4.42
6	3	384	-35.59	-125.79	-51.76	-109.62	-34.60	-26.26	-355.53	-355.19	-26.60	-10.57
6	3	385	-46.92	-121.72	-61.74	-106.90	-29.82	-51.10	-518.65	-517.79	-51.96	-20.01
6	3	386	-58.09	-118.93	-70.81	-106.20	-24.74	-84.95	-751.33	-749.53	-86.75	-34.59
6	3	387	-74.24	-116.80	-82.46	-108.58	-16.80	-136.27	-1203.16	-1198.92	-140.52	-67.19
6	3	388	-89.20	-138.30	-89.55	-137.95	4.15	-408.39	-2264.69	-2264.27	-408.81	-27.90
6	3	390	171.73	-124.89	170.73	-123.89	-17.16	-804.89	-4617.06	-4616.86	-805.09	27.63
6	3	391	121.45	-168.27	119.92	-166.74	-21.04	-274.07	-2536.31	-2534.16	-276.22	69.67
6	3	392	64.26	-162.37	62.37	-160.49	-20.56	-130.14	-1091.22	-1090.74	-130.62	21.49
6	3	393	13.49	-143.32	11.71	-141.54	-16.60	-27.81	-389.44	-389.37	-27.87	4.88
6	3	394	-26.64	-125.14	-28.21	-123.57	-12.35	10.72	-240.59	-240.47	10.60	5.62
6	3	395	-45.76	-118.28	-47.18	-116.86	-10.04	-0.54	-361.65	-361.50	-0.69	7.36
6	3	396	-57.71	-115.73	-58.95	-114.49	-8.42	-22.98	-534.95	-534.84	-23.08	7.39
6	3	397	-68.19	-115.56	-69.16	-114.59	-6.71	-56.19	-780.31	-780.25	-56.24	6.20
6	3	398	-79.67	-121.19	-80.14	-120.72	-4.39	-116.30	-1248.47	-1248.45	-116.32	5.09
6	3	399	-86.53	-144.36	-86.73	-144.16	3.39	-344.34	-2285.58	-2285.56	-344.35	-5.36
6	3	401	167.39	-140.07	165.78	-138.46	22.21	-752.38	-4571.80	-4570.63	-753.55	-66.81
6	3	402	118.47	-167.02	115.09	-163.64	30.87	-238.08	-2504.90	-2495.81	-247.16	-143.23
6	3	403	63.09	-163.38	58.96	-159.25	30.29	-104.84	-1060.37	-1057.72	-107.49	-50.28
6	3	404	13.44	-144.44	9.31	-140.31	25.19	-3.46	-369.15	-369.15	-3.47	0.75
6	3	405	-25.50	-126.56	-29.52	-122.55	19.74	35.43	-226.42	-224.89	33.89	20.00
6	3	406	-44.06	-119.76	-48.01	-115.81	16.84	23.18	-346.90	-344.64	20.92	28.84
6	3	407	-55.86	-117.03	-59.59	-113.30	14.64	-0.40	-518.68	-516.01	-3.07	37.07
6	3	408	-66.59	-116.25	-69.78	-113.06	12.18	-35.23	-761.84	-758.80	-38.27	46.90
6	3	409	-79.50	-118.62	-81.28	-116.85	8.15	-98.06	-1226.81	-1223.15	-101.72	64.16
6	3	410	-93.72	-148.96	-93.85	-148.83	-2.69	-328.90	-2255.62	-2255.47	-329.05	17.06
6	3	413	156.49	-162.04	140.39	-145.94	69.78	-700.47	-4067.78	-4062.16	-706.09	-137.49
6	3	414	111.18	-195.45	85.07	-169.34	85.59	-114.14	-2180.93	-2116.34	-178.72	-359.59
6	3	415	58.13	-179.50	28.64	-150.00	78.35	-38.47	-893.86	-879.24	-53.10	-110.88
6	3	416	14.72	-155.20	-11.49	-128.99	61.37	33.55	-308.54	-308.49	33.50	-4.17
6	3	417	-16.82	-136.35	-39.82	-113.35	47.12	54.39	-202.00	-199.19	51.59	26.68
6	3	418	-31.99	-128.72	-53.67	-107.04	40.34	34.77	-314.16	-309.37	29.97	40.61
6	3	419	-42.41	-124.43	-62.77	-104.07	35.44	7.71	-472.60	-465.88	0.99	56.40
6	3	420	-52.99	-121.01	-71.14	-102.86	30.09	-29.07	-698.72	-689.54	-38.25	77.88
6	3	421	-68.81	-117.90	-81.63	-105.08	21.56	-87.34	-1140.79	-1126.61	-101.52	121.42
6	3	422	-88.48	-128.37	-88.55	-128.30	-1.74	-360.52	-2162.56	-2161.46	-361.62	44.46
6	3	424	131.77	-234.92	80.12	-183.27	127.55	-476.74	-2813.18	-2790.52	-499.40	-228.95
6	3	425	91.35	-248.57	9.73	-166.95	145.20	46.15	-1579.70	-1411.91	-121.64	-494.61
6	3	426	43.13	-200.52	-33.63	-123.76	113.18	29.13	-636.92	-601.00	-6.79	-150.46
6	3	427	8.40	-163.40	-47.28	-107.71	80.41	28.26	-237.12	-235.57	26.71	-20.19
6	3	428	-11.37	-142.76	-54.68	-99.46	61.76	9.16	-180.83	-179.22	7.56	17.37
6	3	429	-20.26	-134.08	-60.00	-94.34	54.25	-14.32	-272.73	-267.48	-19.57	36.45
6	3	430	-26.91	-128.11	-64.28	-90.74	48.84	-37.57	-400.42	-390.40	-47.59	59.44

6	3	431	-34.42	-122.05	-68.76	-87.71	42.78	-66.19	-584.05	-566.84	-83.40	92.84
6	3	432	-47.70	-112.81	-75.54	-84.96	32.21	-103.08	-954.55	-918.17	-139.45	172.19
6	3	433	-81.10	-97.06	-81.25	-96.91	1.55	-370.60	-1819.35	-1814.88	-375.07	80.35
6	3	435	38.75	-388.75	-86.46	-263.55	194.55	-88.73	-1183.13	-1131.97	-139.88	-231.01
6	3	436	61.13	-313.40	-131.38	-120.89	187.19	234.92	-859.49	-570.65	-53.92	-482.37
6	3	437	12.95	-201.76	-116.57	-72.24	105.04	56.42	-429.11	-333.27	-39.42	-193.25
6	3	438	-13.44	-155.16	-83.92	-84.68	70.86	-96.54	-243.11	-186.66	-152.99	-71.32
6	3	439	-18.74	-136.25	-67.33	-87.66	57.87	-180.90	-226.40	-181.12	-226.19	-3.13
6	3	440	-18.46	-127.58	-62.45	-83.59	53.52	-201.23	-269.60	-238.73	-232.10	34.02
6	3	441	-18.60	-120.55	-60.32	-78.83	50.13	-194.15	-350.15	-314.81	-229.50	65.30
6	3	442	-19.78	-112.04	-59.09	-72.72	45.62	-182.42	-464.64	-419.44	-227.62	103.50
6	3	443	-24.44	-97.58	-58.42	-63.59	36.48	-155.48	-693.77	-610.21	-239.03	194.92
6	3	444	-51.65	-60.98	-60.40	-52.23	2.24	-314.73	-1193.05	-1181.11	-326.67	101.70
6	3	446	-56.16	-580.95	-273.70	-363.41	258.53	196.86	-122.96	11.70	62.20	-157.91
6	3	447	65.20	-373.82	-291.18	-17.43	171.61	248.18	-478.81	-190.50	-40.12	-355.63
6	3	448	-15.71	-174.34	-145.23	-44.83	61.41	95.26	-479.34	-208.92	-175.15	-286.80
6	3	449	-38.05	-137.41	-100.28	-75.18	48.07	-118.07	-589.72	-172.09	-535.70	-150.20
6	3	450	-38.03	-119.79	-75.21	-82.60	40.71	-206.91	-700.06	-207.16	-699.81	-11.14
6	3	451	-29.93	-112.14	-62.42	-79.65	40.19	-240.79	-683.15	-249.18	-674.76	60.36
6	3	452	-23.95	-103.00	-53.57	-73.38	38.26	-259.64	-647.16	-292.76	-614.04	108.33
6	3	453	-17.75	-90.68	-45.54	-62.89	35.42	-256.80	-606.62	-341.03	-522.39	149.57
6	3	454	-10.11	-69.37	-35.08	-44.40	29.26	-211.12	-575.47	-398.67	-387.93	182.10
6	3	456	-10.11	-26.72	-26.62	-10.22	-1.31	-139.01	-450.28	-440.45	-148.84	54.43
6	3	467	-162.06	-647.62	-429.25	-380.43	241.55	1096.20	-544.80	1094.84	-543.44	47.23
6	3	468	158.45	-119.96	-112.77	151.26	-44.15	308.36	-75.79	307.07	-74.50	-22.19
6	3	469	-27.20	-139.96	-137.32	-29.83	17.04	-197.96	-781.19	-223.91	-755.24	-120.26
6	3	470	-64.77	-130.56	-122.75	-72.58	21.27	-404.62	-1342.50	-407.43	-1339.68	-51.31
6	3	471	-68.13	-106.27	-92.75	-81.64	18.24	-459.29	-1489.60	-459.30	-1489.59	2.62
6	3	472	-59.32	-86.60	-70.50	-75.42	13.42	-463.97	-1381.20	-464.92	-1380.25	29.53
6	3	473	-45.33	-74.41	-52.41	-67.33	12.48	-451.92	-1217.33	-454.34	-1214.91	42.98
6	3	474	-28.20	-62.95	-32.82	-58.33	11.80	-415.23	-997.21	-419.68	-992.76	50.69
6	3	475	-2.60	-39.61	-5.23	-36.98	9.52	-273.56	-589.05	-282.01	-580.60	50.91
6	3	476	49.72	-25.37	21.39	2.97	-36.40	-84.26	-135.42	-129.22	-90.46	-16.69
6	9	335	-134.55	-488.79	-338.10	-285.24	-175.14	610.99	-629.48	601.13	-619.63	-110.13
6	9	336	115.30	-95.45	-94.15	114.00	16.49	191.17	-147.87	157.77	-114.48	-101.03
6	9	337	-16.66	-121.85	-114.03	-24.48	-27.60	1.45	-629.88	1.43	-629.86	3.56
6	9	338	-40.92	-114.72	-98.91	-56.74	-30.28	-17.86	-1073.11	-17.89	-1073.08	-5.80
6	9	339	-41.87	-95.26	-73.21	-63.92	-26.29	-9.20	-1185.67	-9.23	-1185.64	-5.67
6	9	340	-36.01	-78.44	-54.71	-59.74	-21.06	-18.40	-1102.33	-18.52	-1102.22	-11.06
6	9	341	-27.23	-67.74	-40.58	-54.39	-19.04	-40.85	-981.01	-40.99	-980.87	11.35
6	9	342	-15.97	-56.91	-24.74	-48.14	-16.80	-70.16	-814.23	-70.48	-813.91	15.54
6	9	343	0.71	-38.37	-3.53	-34.14	-12.14	-102.31	-503.83	-103.79	-502.35	24.37
6	9	344	32.59	-22.25	11.28	-0.95	26.73	-49.99	-175.65	-84.59	-141.05	56.13
6	9	346	-48.21	-493.79	-257.11	-284.88	-222.36	50.29	-100.95	40.09	-90.75	-37.93
6	9	347	63.42	-293.45	-231.80	1.78	-134.91	40.46	-70.04	-47.46	17.88	-44.56
6	9	348	-0.24	-150.76	-118.72	-32.28	-61.61	90.32	8.25	89.61	8.96	-7.62
6	9	349	-16.27	-122.42	-80.55	-58.15	-51.88	242.89	-184.61	242.56	-184.27	11.93
6	9	350	-16.92	-108.11	-59.22	-65.81	-45.47	279.34	-268.01	275.56	-264.22	45.38
6	9	351	-12.95	-101.23	-49.15	-65.03	-43.42	248.17	-255.59	240.66	-248.08	61.05
6	9	352	-10.49	-93.92	-42.99	-61.42	-40.68	202.46	-243.77	179.39	-220.70	98.81
6	9	353	-8.92	-84.48	-38.15	-55.25	-36.80	125.55	-224.43	86.91	-185.79	109.68
6	9	354	-9.19	-68.33	-32.77	-44.75	-28.96	-8.24	-229.53	-83.59	-154.18	104.86
6	9	355	-22.21	-29.32	-27.56	-23.97	-3.07	-157.20	-450.08	-447.31	-159.97	28.32
6	9	357	67.11	-257.74	-20.37	-170.25	-144.10	-149.86	-1419.87	-1409.61	-160.12	113.67
6	9	358	67.77	-241.80	-70.55	-103.48	-153.91	120.50	-483.88	-455.20	91.82	128.49
6	9	359	32.35	-172.53	-75.88	-64.31	-102.28	282.83	62.02	97.70	247.15	-81.27
6	9	360	7.91	-136.61	-59.63	-69.07	-72.10	429.93	256.02	406.08	279.87	-59.82
6	9	361	-2.76	-120.60	-51.00	-72.36	-57.94	483.52	254.87	479.93	258.46	28.43
6	9	362	-7.31	-112.99	-49.20	-71.11	-51.69	443.25	210.01	420.54	232.72	69.14
6	9	363	-11.10	-107.04	-48.71	-69.42	-46.84	392.15	127.31	316.52	202.95	119.63
6	9	364	-15.92	-99.90	-48.71	-67.11	-40.97	291.41	26.63	157.44	160.61	132.38
6	9	365	-25.45	-87.62	-48.96	-64.12	-30.15	112.07	-201.64	-168.18	78.60	96.84
6	9	366	-52.55	-67.74	-52.80	-67.48	-1.96	-121.52	-986.37	-985.89	-122.00	20.23
6	9	368	113.59	-141.77	77.78	-105.95	-88.67	-303.59	-2604.64	-2603.42	-304.82	53.08
6	9	369	86.01	-178.07	27.14	-119.20	-109.91	130.08	-1027.98	-1014.28	116.38	125.21
6	9	370	49.38	-156.72	-10.63	-96.72	-93.63	345.46	-0.56	12.99	331.91	-67.11
6	9	371	18.99	-134.81	-28.35	-87.48	-70.99	559.63	418.34	518.44	459.54	-64.21
6	9	372	-2.12	-120.73	-39.34	-83.52	-55.03	639.01	481.88	638.25	482.63	10.88
6	9	373	-13.11	-114.38	-45.47	-82.01	-47.22	568.81	432.15	551.25	449.71	45.73
6	9	374	-21.24	-110.06	-49.79	-81.51	-41.48	491.29	316.76	404.16	403.89	87.27
6	9	375	-30.07	-105.71	-53.86	-81.91	-35.12	385.07	135.45	181.02	339.50	96.43
6	9	376	-44.18	-99.42	-58.90	-84.71	-24.42	226.57	-287.79	-279.42	218.20	65.06
6	9	377	-64.29	-103.08	-64.31	-103.07	-0.74	-53.89	-1359.52	-1359.10	-54.31	23.27
6	9	379	125.60	-94.40	113.85	-82.65	-49.46	-400.93	-3349.06	-3348.62	-401.37	36.14
6	9	380	92.68	-130.68	73.18	-111.18	-63.05	95.32	-1403.97	-1400.15	91.50	75.56
6	9	381	53.30	-132.73	31.13	-110.56	-60.27	358.93	-80.75	-76.22	354.40	-44.40
6	9	382	17.61	-121.74	-2.48	-101.65	-48.95	609.12	503.71	585.03	527.80	-44.26
6	9	383	-10.53	-111.52	-27.59	-94.47	-37.84	744.68	580.94	744.43	581.20	6.46
6	9	384	-25.02	-107.45	-39.78	-92.70	-31.60	645.83	546.45	637.67	554.60	27.28

6	9	385	-34.97	-105.53	-47.51	-92.99	-26.97	548.05	421.64	460.19	509.50	58.20
6	9	386	-44.65	-104.67	-54.27	-95.05	-22.02	459.74	177.23	193.10	443.87	65.05
6	9	387	-57.79	-105.63	-62.39	-101.03	-14.11	327.04	-349.78	-346.60	323.86	46.31
6	9	388	-68.07	-133.73	-68.44	-133.35	4.97	22.91	-1580.93	-1580.73	22.71	17.94
6	9	390	130.27	-63.40	128.70	-61.83	-17.37	-438.12	-3683.57	-3683.57	-438.12	-0.69
6	9	391	93.08	-109.47	90.97	-107.36	-20.58	85.03	-1582.11	-1582.08	85.00	7.26
6	9	392	51.17	-116.65	48.79	-114.27	-19.82	373.32	-113.43	-112.62	372.51	-19.86
6	9	393	12.41	-110.24	10.28	-108.11	-16.03	627.39	567.09	626.21	568.27	-8.35
6	9	394	-19.24	-102.34	-20.96	-100.62	-11.82	808.12	635.44	806.70	636.86	15.62
6	9	395	-34.64	-100.20	-35.94	-98.90	-9.15	698.40	607.91	691.28	615.03	24.36
6	9	396	-44.25	-100.60	-45.19	-99.66	-7.24	587.21	485.13	500.38	571.96	36.39
6	9	397	-52.44	-103.11	-53.01	-102.54	-5.36	513.69	208.55	214.64	507.59	42.69
6	9	398	-60.69	-111.77	-60.82	-111.64	-2.58	388.80	-366.56	-363.82	386.07	45.39
6	9	399	-65.98	-143.15	-66.20	-142.93	4.14	119.59	-1592.20	-1591.90	119.30	22.57
6	9	401	126.35	-69.69	125.52	-68.86	12.76	-405.76	-3637.88	-3637.25	-406.40	-45.28
6	9	402	90.25	-107.70	88.19	-105.64	20.09	116.57	-1538.12	-1535.73	114.18	-62.83
6	9	403	49.20	-116.52	46.29	-113.61	21.75	413.11	-77.48	-77.41	413.03	5.99
6	9	404	11.67	-110.70	8.45	-107.47	19.60	668.82	594.86	651.90	611.78	31.06
6	9	405	-18.58	-103.50	-22.01	-100.08	16.70	834.97	672.19	829.60	677.56	29.08
6	9	406	-33.08	-101.81	-36.63	-98.26	15.20	726.28	640.84	715.77	651.35	28.06
6	9	407	-42.29	-102.25	-45.71	-98.83	13.90	608.33	522.16	526.83	603.67	19.50
6	9	408	-50.58	-104.30	-53.51	-101.36	12.21	535.35	241.08	243.42	533.00	26.19
6	9	409	-59.75	-110.24	-61.50	-108.49	9.23	399.66	-328.54	-326.44	397.56	39.06
6	9	410	-72.06	-144.75	-72.07	-144.73	-1.03	122.15	-1560.20	-1559.77	121.72	26.85
6	9	413	117.93	-88.57	106.27	-76.91	47.67	-340.74	-3242.43	-3241.74	-341.42	-44.51
6	9	414	85.63	-132.14	65.16	-111.67	63.54	198.23	-1278.20	-1268.99	189.02	-116.25
6	9	415	47.23	-132.31	22.91	-107.99	61.44	472.39	17.44	21.31	468.52	41.80
6	9	416	14.71	-122.41	-8.09	-99.60	51.05	717.30	582.96	652.99	647.27	67.11
6	9	417	-9.86	-113.82	-30.64	-93.04	41.57	811.82	684.62	804.16	692.28	30.26
6	9	418	-22.03	-110.69	-41.62	-91.10	36.79	703.25	653.79	701.41	655.63	9.35
6	9	419	-30.60	-109.04	-48.65	-90.98	33.02	602.29	527.13	528.64	600.78	-10.54
6	9	420	-39.35	-107.84	-54.81	-92.38	28.63	523.17	266.27	266.66	522.78	-10.08
6	9	421	-52.15	-107.48	-61.74	-97.89	20.94	377.17	-273.13	-273.07	377.10	6.45
6	9	422	-68.16	-122.87	-68.21	-122.82	1.58	71.24	-1503.54	-1503.47	71.17	10.37
6	9	424	100.60	-152.31	60.43	-112.14	92.45	-146.93	-2253.55	-2249.92	-150.55	-87.32
6	9	425	72.90	-179.78	6.47	-113.35	111.23	264.77	-805.88	-789.58	248.46	-131.11
6	9	426	38.92	-154.94	-26.17	-89.85	91.55	512.30	124.71	145.13	491.89	86.58
6	9	427	12.50	-134.24	-37.53	-84.20	69.56	700.62	518.71	604.68	614.65	90.82
6	9	428	-3.44	-122.57	-44.07	-81.94	56.47	716.18	621.15	713.97	623.36	14.31
6	9	429	-11.08	-117.38	-48.29	-80.18	50.70	642.64	570.92	632.74	580.82	-24.73
6	9	430	-17.11	-113.32	-51.40	-79.03	46.08	573.23	445.94	492.20	526.96	-61.23
6	9	431	-24.06	-108.80	-54.40	-78.46	40.63	475.84	252.60	275.36	453.08	-67.56
6	9	432	-36.35	-101.12	-58.37	-79.10	30.68	321.08	-187.05	-184.06	318.09	-38.85
6	9	433	-62.28	-96.37	-63.32	-95.34	5.85	31.59	-1266.91	-1266.90	31.58	3.66
6	9	435	36.61	-276.31	-66.09	-173.61	146.94	65.19	-956.59	-953.31	61.91	-57.82
6	9	436	52.29	-239.69	-102.81	-84.59	145.71	260.40	-231.47	-225.57	254.49	-53.55
6	9	437	17.54	-165.61	-93.67	-54.40	89.45	447.01	165.34	212.27	400.08	104.96
6	9	438	-2.75	-134.73	-70.27	-67.21	65.97	520.52	350.22	482.13	388.61	71.16
6	9	439	-7.89	-121.81	-57.82	-71.88	56.52	549.37	345.00	548.51	345.86	-13.24
6	9	440	-8.48	-115.09	-53.47	-70.10	52.65	511.77	304.07	496.38	319.46	-54.41
6	9	441	-9.47	-109.15	-51.15	-67.47	49.17	461.54	230.29	400.19	291.64	-102.10
6	9	442	-11.50	-101.72	-49.33	-63.89	44.52	366.80	135.66	250.50	251.96	-115.57
6	9	443	-17.08	-88.43	-46.89	-58.62	35.19	194.72	-90.67	-61.94	165.99	-85.87
6	9	444	-43.68	-59.52	-47.83	-55.37	6.96	-16.67	-821.66	-821.61	-16.72	-6.26
6	9	446	-33.87	-435.20	-212.71	-256.36	199.47	108.97	-74.73	-71.25	105.49	25.04
6	9	447	57.69	-295.50	-228.39	-9.42	138.56	208.03	-39.31	-20.36	189.08	65.79
6	9	448	-3.95	-152.48	-121.91	-34.52	60.05	205.01	148.05	181.76	171.30	28.00
6	9	449	-20.93	-127.11	-88.72	-59.32	51.01	340.66	-66.17	340.66	-66.17	-1.16
6	9	450	-22.49	-112.29	-68.65	-66.13	44.88	363.50	-203.83	361.60	-201.93	-32.78
6	9	451	-17.30	-104.62	-57.31	-64.61	43.51	324.19	-214.40	320.13	-210.35	-46.58
6	9	452	-13.51	-95.98	-49.16	-60.34	40.85	267.50	-206.62	254.09	-193.20	-78.61
6	9	453	-9.55	-84.83	-41.52	-52.85	37.21	179.87	-181.83	157.89	-159.85	-86.40
6	9	454	-5.15	-65.27	-30.75	-39.67	29.73	36.02	-170.21	-22.43	-111.76	-92.94
6	9	456	-13.72	-24.23	-22.61	-15.33	3.79	-66.81	-298.33	-291.91	-73.23	-38.01
6	9	467	-128.09	-506.84	-350.80	-284.13	186.42	698.06	-536.24	675.63	-513.81	164.85
6	9	468	112.88	-118.00	-116.29	111.16	-19.82	228.72	-85.35	179.93	-36.56	113.77
6	9	469	-18.25	-139.57	-132.15	-25.67	29.07	59.32	-557.79	59.20	-557.68	8.32
6	9	470	-43.78	-129.98	-116.18	-57.58	31.61	69.44	-994.84	69.20	-994.60	15.90
6	9	471	-46.16	-107.29	-88.94	-64.51	28.02	87.46	-1110.57	87.33	-1110.44	12.35
6	9	472	-40.94	-87.61	-68.63	-59.91	22.92	78.44	-1030.86	78.43	-1030.85	3.59
6	9	473	-32.26	-73.75	-52.26	-53.75	20.73	52.84	-910.80	52.78	-910.74	-7.84
6	9	474	-20.47	-59.97	-33.31	-47.13	18.50	14.15	-748.99	13.86	-748.70	-14.88
6	9	475	-1.99	-37.54	-8.19	-31.35	13.48	-41.15	-443.29	-42.64	-441.79	-24.45
6	9	476	31.49	-18.78	14.66	-1.95	-23.72	-53.84	-131.55	-90.12	-95.27	-38.77
6	41	335	-134.54	-474.35	-325.94	-282.96	-168.54	623.31	-596.42	616.56	-589.67	-90.49
6	41	336	117.41	-87.18	-84.62	114.84	22.78	180.55	-120.35	157.93	-97.73	-79.34
6	41	337	-18.60	-113.77	-108.46	-23.91	-21.85	-20.30	-624.91	-21.47	-623.74	26.54
6	41	338	-44.21	-108.17	-96.04	-56.34	-25.08	-55.53	-1069.93	-55.63	-1069.82	10.39
6	41	339	-45.65	-90.02	-72.19	-63.48	-21.76	-54.38	-1184.81	-54.38	-1184.81	1.64

6	41	340	-39.73	-74.31	-54.77	-59.27	-17.14	-64.91	-1102.38	-64.96	-1102.33	-7.38
6	41	341	-30.67	-64.29	-41.10	-53.86	-15.55	-85.13	-981.23	-85.15	-981.21	3.72
6	41	342	-19.05	-54.21	-25.81	-47.46	-13.85	-108.81	-814.10	-108.84	-814.07	4.11
6	41	343	-1.25	-36.40	-4.59	-33.06	-10.31	-131.25	-503.51	-131.66	-503.10	12.42
6	41	344	34.01	-22.36	10.70	0.96	27.76	-76.48	-170.15	-105.69	-140.93	43.40
6	41	346	-53.12	-487.49	-254.30	-286.31	-216.60	51.69	-68.68	48.43	-65.42	-19.55
6	41	347	59.31	-286.37	-228.49	1.43	-129.06	31.39	-57.02	-52.56	26.92	-19.36
6	41	348	-4.06	-143.56	-115.59	-32.04	-55.85	69.08	2.28	61.85	9.50	20.74
6	41	349	-20.22	-115.79	-78.35	-57.67	-46.66	201.53	-193.65	198.97	-191.08	31.73
6	41	350	-20.31	-102.62	-57.88	-65.05	-41.00	228.97	-281.87	223.25	-276.15	53.75
6	41	351	-15.84	-96.58	-48.35	-64.07	-39.60	195.37	-271.07	186.08	-261.79	65.14
6	41	352	-12.97	-89.78	-42.48	-60.27	-37.36	146.99	-255.70	126.17	-234.88	89.17
6	41	353	-10.82	-80.88	-37.87	-53.83	-34.11	71.45	-233.06	38.19	-199.80	94.98
6	41	354	-9.99	-65.76	-32.90	-42.84	-27.44	-51.76	-235.74	-120.18	-167.33	88.92
6	41	355	-19.97	-28.46	-27.74	-20.69	-2.36	-169.62	-475.08	-474.54	-170.16	12.84
6	41	357	62.78	-256.52	-19.57	-174.16	-139.69	-133.54	-1410.46	-1396.37	-147.64	133.41
6	41	358	63.38	-236.83	-69.25	-104.21	-149.08	133.44	-501.66	-460.97	92.75	155.52
6	41	359	27.87	-166.57	-74.55	-64.15	-97.08	248.84	44.61	58.79	234.66	-51.91
6	41	360	4.09	-130.86	-58.35	-68.42	-67.29	359.03	239.05	343.75	254.33	-39.99
6	41	361	-5.61	-115.41	-49.88	-71.14	-53.86	411.36	217.45	404.63	224.19	35.52
6	41	362	-9.42	-108.32	-48.27	-69.47	-48.30	371.28	166.31	341.88	195.71	71.85
6	41	363	-12.60	-102.76	-47.94	-67.42	-44.01	316.82	88.76	240.02	165.57	107.78
6	41	364	-16.71	-96.09	-48.14	-64.65	-38.82	222.48	-10.49	87.73	124.26	115.05
6	41	365	-25.09	-84.59	-48.86	-60.83	-29.14	67.41	-240.35	-219.03	46.09	78.15
6	41	366	-52.28	-61.91	-52.59	-61.60	-1.69	-149.63	-1022.38	-1022.38	-149.64	2.69
6	41	368	110.94	-143.54	78.27	-110.86	-85.13	-306.54	-2596.48	-2594.19	-308.84	72.42
6	41	369	83.04	-176.26	27.87	-121.08	-106.13	125.29	-1046.06	-1026.76	105.99	149.12
6	41	370	46.07	-153.16	-10.00	-97.09	-89.59	310.54	-43.95	-38.55	305.14	-43.41
6	41	371	16.21	-130.55	-27.67	-86.67	-67.19	480.35	376.67	438.71	418.31	-50.82
6	41	372	-4.03	-116.32	-38.55	-81.80	-51.82	544.39	430.15	542.65	431.90	14.01
6	41	373	-14.27	-110.10	-44.71	-79.67	-44.61	477.41	370.43	451.65	396.20	45.75
6	41	374	-21.81	-105.93	-49.11	-78.63	-39.38	406.96	250.75	307.35	350.36	75.08
6	41	375	-29.98	-101.75	-53.34	-78.39	-33.63	316.10	64.09	92.47	287.72	79.67
6	41	376	-43.34	-95.61	-58.81	-80.13	-23.86	176.97	-347.53	-343.14	172.58	47.82
6	41	377	-64.08	-95.71	-64.10	-95.69	-0.78	-95.26	-1403.89	-1403.85	-95.30	7.14
6	41	379	124.43	-98.84	114.23	-88.65	-46.60	-415.25	-3343.51	-3342.65	-416.10	49.92
6	41	380	91.40	-131.45	73.77	-113.82	-60.15	75.68	-1424.83	-1419.08	69.93	92.73
6	41	381	51.76	-131.39	31.54	-111.17	-57.39	315.20	-141.51	-139.78	313.48	-28.04
6	41	382	16.33	-119.12	-2.02	-100.77	-46.35	518.13	443.23	490.14	471.21	-36.23
6	41	383	-11.28	-108.11	-27.02	-92.37	-35.73	632.45	514.77	632.14	515.08	6.03
6	41	384	-25.26	-103.73	-39.18	-89.81	-29.98	534.54	472.94	521.31	486.16	25.29
6	41	385	-34.82	-101.59	-46.96	-89.45	-25.75	460.76	328.39	347.48	441.67	46.51
6	41	386	-44.20	-100.44	-53.87	-90.76	-21.23	387.19	82.06	90.55	378.70	50.18
6	41	387	-57.25	-100.63	-62.40	-95.48	-14.03	267.77	-422.32	-420.85	266.30	31.79
6	41	388	-67.93	-125.26	-68.29	-124.89	4.57	-30.31	-1634.08	-1634.06	-30.33	5.39
6	41	390	130.37	-69.10	129.20	-67.93	-15.24	-461.13	-3678.45	-3678.44	-461.14	6.15
6	41	391	93.33	-112.13	91.64	-110.44	-18.56	53.95	-1605.74	-1605.60	53.80	15.45
6	41	392	51.17	-117.05	49.20	-115.08	-18.09	319.19	-186.27	-185.93	318.84	-13.16
6	41	393	12.46	-109.00	10.66	-107.20	-14.70	521.76	495.34	519.63	497.47	-7.20
6	41	394	-18.95	-99.81	-20.46	-98.30	-10.93	683.29	555.45	682.16	556.58	11.96
6	41	395	-34.18	-96.92	-35.39	-95.71	-8.64	573.02	522.92	562.95	532.99	20.07
6	41	396	-43.72	-96.70	-44.66	-95.75	-7.00	498.02	369.64	376.50	491.16	28.87
6	41	397	-51.97	-98.46	-52.60	-97.83	-5.36	433.66	99.03	102.44	430.26	33.60
6	41	398	-60.64	-105.81	-60.84	-105.61	-2.99	319.53	-444.30	-442.55	317.78	36.54
6	41	399	-65.83	-133.65	-66.01	-133.48	3.44	56.81	-1645.58	-1645.47	56.71	13.14
6	41	401	126.90	-76.10	125.90	-75.10	14.20	-435.79	-3635.27	-3634.61	-436.46	-46.22
6	41	402	91.00	-111.07	88.74	-108.81	21.25	77.57	-1565.63	-1563.11	75.05	-64.30
6	41	403	49.72	-117.42	46.68	-114.38	22.34	348.91	-156.95	-156.94	348.89	2.61
6	41	404	12.07	-109.72	8.82	-106.47	19.63	559.56	508.11	538.43	529.25	25.31
6	41	405	-18.13	-101.03	-21.47	-97.69	16.31	702.33	581.47	698.23	585.57	21.89
6	41	406	-32.63	-98.41	-36.02	-95.02	14.54	592.42	546.70	580.94	558.18	19.83
6	41	407	-41.86	-98.14	-45.10	-94.90	13.10	514.27	395.03	396.92	512.38	14.90
6	41	408	-50.22	-99.41	-52.98	-96.64	11.33	447.30	124.70	126.01	445.99	20.52
6	41	409	-59.78	-104.10	-61.40	-102.49	8.31	322.44	-411.03	-409.46	320.86	33.98
6	41	410	-71.67	-135.01	-71.73	-134.95	-1.95	51.24	-1617.65	-1617.38	50.97	21.22
6	41	413	118.18	-95.15	106.56	-83.54	48.41	-373.77	-3239.66	-3238.62	-374.80	-54.47
6	41	414	86.02	-134.82	65.70	-114.50	63.82	156.27	-1308.56	-1297.13	144.83	-128.94
6	41	415	47.07	-132.27	23.28	-108.47	60.84	399.37	-61.08	-59.50	397.79	26.92
6	41	416	14.34	-120.41	-7.59	-98.48	49.74	603.21	493.22	539.01	557.42	54.22
6	41	417	-10.19	-110.47	-29.92	-90.74	39.87	677.97	588.12	672.94	593.15	20.65
6	41	418	-22.26	-106.64	-40.83	-88.07	34.95	567.07	555.69	566.92	555.84	1.30
6	41	419	-30.71	-104.54	-47.89	-87.36	31.19	505.05	397.31	398.92	503.43	-13.10
6	41	420	-39.34	-102.91	-54.19	-88.06	26.89	430.93	148.55	149.05	430.42	-11.88
6	41	421	-52.08	-101.86	-61.56	-92.37	19.55	296.81	-355.23	-355.18	296.76	5.69
6	41	422	-67.89	-114.19	-67.89	-114.18	0.47	-1.78	-1558.85	-1558.78	-1.86	10.83
6	41	424	99.78	-157.59	60.68	-118.49	92.38	-177.49	-2252.39	-2246.96	-182.92	-106.02
6	41	425	72.15	-180.48	7.09	-115.42	110.47	227.51	-839.90	-816.33	203.94	-156.84
6	41	426	37.45	-152.98	-25.46	-90.07	89.57	430.67	59.48	69.02	421.13	58.72
6	41	427	11.00	-130.56	-36.52	-83.04	66.85	582.70	440.65	498.06	525.30	69.70

6	41	428	-4.76	-118.05	-42.86	-79.95	53.53	591.60	525.16	591.49	525.27	2.66
6	41	429	-12.20	-112.55	-47.09	-77.65	47.79	529.51	460.16	507.15	482.52	-32.42
6	41	430	-17.98	-108.39	-50.31	-76.05	43.34	467.72	334.53	370.87	431.37	-59.33
6	41	431	-24.60	-103.87	-53.53	-74.94	38.16	380.87	146.97	165.09	362.74	-62.54
6	41	432	-36.32	-96.35	-58.04	-74.63	28.84	242.32	-262.80	-260.75	240.27	-32.12
6	41	433	-62.19	-89.02	-62.95	-88.25	4.47	-37.08	-1317.83	-1317.74	-37.18	11.06
6	41	435	33.91	-279.29	-65.83	-179.55	145.91	48.55	-959.88	-952.59	41.26	-85.48
6	41	436	50.35	-237.34	-101.53	-85.46	143.62	232.34	-265.55	-248.75	215.53	-89.90
6	41	437	15.26	-160.81	-91.68	-53.86	85.98	359.32	126.29	147.46	338.15	66.96
6	41	438	-5.00	-129.12	-67.96	-66.17	62.05	411.26	291.06	391.40	310.91	44.64
6	41	439	-9.90	-116.12	-55.63	-70.39	52.59	447.94	257.85	444.25	261.53	-26.22
6	41	440	-10.30	-109.57	-51.57	-68.30	48.92	410.91	214.02	389.36	235.57	-61.47
6	41	441	-11.03	-103.89	-49.53	-65.39	45.74	358.59	148.66	296.68	210.58	-95.73
6	41	442	-12.72	-96.82	-48.06	-61.47	41.51	270.76	61.63	156.49	175.89	-104.11
6	41	443	-17.65	-84.33	-46.38	-55.61	33.02	121.99	-147.95	-126.96	101.00	-72.28
6	41	444	-43.44	-54.55	-47.51	-50.47	5.35	-70.32	-863.74	-863.69	-70.38	6.79
6	41	446	-37.88	-434.02	-211.40	-260.50	196.54	102.25	-68.50	-68.40	102.14	-4.20
6	41	447	55.18	-290.18	-225.48	-9.53	134.76	170.62	-42.83	-38.16	165.95	31.21
6	41	448	-6.58	-145.44	-117.84	-34.18	55.42	138.68	124.37	129.75	133.30	-6.93
6	41	449	-23.54	-120.00	-84.79	-58.75	46.44	269.71	-114.65	268.11	-113.05	-24.72
6	41	450	-24.85	-105.88	-65.37	-65.37	40.52	282.75	-254.86	279.19	-251.29	-43.64
6	41	451	-19.50	-98.88	-54.67	-63.70	39.43	241.81	-264.08	236.36	-258.63	-52.25
6	41	452	-15.52	-90.82	-47.04	-59.30	37.15	185.50	-251.22	173.45	-239.18	-71.52
6	41	453	-11.32	-80.27	-39.93	-51.66	33.97	103.44	-220.59	85.14	-202.29	-74.80
6	41	454	-6.40	-61.85	-30.09	-38.16	27.43	-23.05	-198.28	-73.32	-148.02	-79.26
6	41	456	-12.61	-22.80	-22.33	-13.08	2.14	-96.95	-328.18	-325.23	-99.90	-25.95
6	41	467	-127.17	-495.92	-338.56	-284.53	182.39	702.54	-523.81	687.59	-508.86	134.57
6	41	468	114.95	-107.57	-104.86	112.24	-24.40	201.44	-75.18	173.70	-47.45	83.08
6	41	469	-19.28	-128.80	-123.23	-24.85	24.07	19.54	-578.00	18.92	-577.38	-19.26
6	41	470	-45.64	-120.88	-109.56	-56.96	26.90	5.07	-1019.58	5.06	-1019.57	-2.37
6	41	471	-48.33	-99.71	-84.13	-63.92	23.62	12.60	-1136.04	12.59	-1136.02	4.18
6	41	472	-43.17	-81.25	-65.10	-59.31	18.82	1.84	-1055.49	1.82	-1055.48	3.39
6	41	473	-34.34	-68.51	-49.65	-53.20	16.99	-20.32	-933.61	-20.32	-933.61	-1.55
6	41	474	-22.44	-56.15	-32.05	-46.54	15.22	-50.15	-768.94	-50.18	-768.91	-4.68
6	41	475	-3.47	-35.21	-8.04	-30.63	11.15	-86.63	-459.43	-87.07	-458.99	-12.84
6	41	476	33.47	-19.64	14.71	-0.88	-25.38	-84.05	-142.56	-120.32	-106.29	-28.40
6	51	335	-131.97	-434.98	-287.08	-279.87	-151.46	660.29	-531.87	660.10	-531.68	-15.07
6	51	336	127.16	-60.63	-51.65	118.19	40.06	146.01	-78.67	146.01	-78.66	0.91
6	51	337	-21.32	-86.39	-86.01	-21.70	-4.97	-101.21	-665.33	-121.94	-644.61	106.12
6	51	338	-51.62	-84.52	-81.45	-54.69	-9.56	-210.61	-1110.06	-215.49	-1105.18	66.09
6	51	339	-54.69	-70.40	-63.34	-61.75	-7.82	-240.41	-1228.37	-241.20	-1227.57	28.07
6	51	340	-47.45	-59.61	-49.61	-57.46	-4.64	-255.54	-1146.07	-255.59	-1146.01	7.28
6	51	341	-36.85	-53.15	-38.08	-51.91	-4.31	-266.27	-1023.35	-266.40	-1023.22	-9.83
6	51	342	-24.76	-46.11	-25.62	-45.26	-4.19	-265.74	-853.75	-267.17	-852.31	-28.99
6	51	343	-5.42	-30.46	-6.04	-29.83	-3.90	-241.01	-539.41	-243.15	-537.27	-25.18
6	51	344	39.99	-23.87	9.83	6.29	31.88	-165.33	-187.13	-185.09	-167.36	6.34
6	51	346	-66.50	-475.29	-247.25	-294.55	-203.02	89.82	-51.01	67.31	-28.50	51.60
6	51	347	48.96	-267.16	-218.42	0.21	-114.16	45.38	-127.19	-86.73	4.92	73.11
6	51	348	-13.60	-121.86	-104.40	-31.07	-39.82	64.25	-175.26	-61.89	-49.12	119.58
6	51	349	-30.33	-94.65	-69.04	-55.95	-31.49	47.48	-308.83	16.38	-277.72	100.57
6	51	350	-28.84	-84.68	-51.00	-62.51	-27.32	28.08	-396.17	10.00	-378.09	85.70
6	51	351	-23.34	-80.90	-43.30	-60.93	-27.40	-14.54	-385.71	-33.95	-366.30	82.61
6	51	352	-19.62	-75.59	-38.65	-56.56	-26.52	-68.02	-356.95	-87.52	-337.45	72.49
6	51	353	-16.31	-68.24	-35.15	-49.40	-24.97	-139.45	-314.59	-156.81	-297.23	52.35
6	51	354	-12.88	-56.36	-32.23	-37.01	-21.61	-215.70	-298.23	-260.95	-252.98	41.07
6	51	355	-10.61	-27.66	-27.58	-10.70	1.20	-236.08	-575.95	-572.82	-239.22	-32.47
6	51	357	53.35	-260.53	-17.79	-189.39	-131.41	-126.76	-1402.38	-1368.75	-160.39	204.37
6	51	358	53.88	-226.68	-65.64	-107.16	-138.73	131.16	-605.23	-506.64	32.56	250.77
6	51	359	17.23	-151.07	-70.38	-63.46	-84.08	126.49	-119.68	-109.12	115.93	49.89
6	51	360	-5.24	-114.07	-53.54	-65.77	-54.07	123.39	61.49	96.45	88.44	30.69
6	51	361	-12.93	-99.10	-45.28	-66.75	-41.73	152.95	-5.58	115.17	32.20	67.54
6	51	362	-15.25	-92.82	-44.23	-63.84	-37.52	113.26	-71.00	43.03	-0.76	89.49
6	51	363	-17.09	-88.09	-44.50	-60.68	-34.57	47.29	-124.14	-49.39	-27.47	85.01
6	51	364	-19.47	-82.58	-45.49	-56.55	-31.07	-25.06	-209.79	-175.37	-59.48	71.93
6	51	365	-24.69	-73.56	-48.00	-50.25	-24.41	-110.80	-408.42	-405.37	-113.84	29.94
6	51	366	-43.64	-51.64	-51.51	-43.77	1.02	-283.61	-1151.50	-1149.36	-285.75	-43.08
6	51	368	106.46	-155.81	79.45	-128.80	-79.72	-359.81	-2584.59	-2577.11	-367.30	128.83
6	51	369	77.94	-175.69	29.82	-127.57	-99.45	62.15	-1132.17	-1090.35	20.33	219.53
6	51	370	39.32	-145.67	-8.22	-98.13	-80.83	154.76	-244.25	-241.82	152.34	31.02
6	51	371	10.11	-119.03	-25.34	-83.58	-57.63	213.43	142.90	142.90	213.43	0.15
6	51	372	-8.56	-103.03	-35.71	-75.88	-42.75	234.36	160.78	197.07	198.07	36.79
6	51	373	-17.38	-96.31	-41.85	-71.85	-36.51	193.21	59.49	95.35	157.35	59.24
6	51	374	-23.60	-92.07	-46.49	-69.19	-32.30	134.82	-56.66	-37.32	115.48	57.70
6	51	375	-30.21	-88.07	-51.25	-67.02	-27.84	71.53	-229.32	-221.30	63.51	48.46
6	51	376	-41.09	-82.58	-58.22	-65.44	-20.43	-22.63	-564.54	-564.18	-22.99	13.93
6	51	377	-63.03	-72.17	-63.15	-72.05	1.07	-270.11	-1554.54	-1554.01	-270.65	-26.21
6	51	379	123.64	-116.05	115.46	-107.87	-43.52	-488.91	-3333.12	-3330.76	-491.28	81.95
6	51	380	90.47	-137.45	75.56	-122.54	-56.36	-18.43	-1506.20	-1494.03	-30.61	134.01
6	51	381	49.70	-129.93	32.80	-113.02	-52.45	142.36	-367.08	-366.63	141.91	15.26

6	51	382	14.31	-112.61	-0.60	-97.70	-40.88	246.29	162.25	162.82	245.72	-6.91
6	51	383	-12.45	-98.14	-25.11	-85.49	-30.40	275.51	235.63	250.96	260.18	19.40
6	51	384	-25.56	-92.02	-37.09	-80.49	-25.17	237.74	117.72	129.07	226.39	35.12
6	51	385	-34.37	-88.73	-44.97	-78.13	-21.53	191.91	-36.56	-31.03	186.37	35.12
6	51	386	-43.05	-86.37	-52.28	-77.14	-17.75	137.56	-254.93	-252.34	134.97	31.74
6	51	387	-55.66	-84.44	-62.16	-77.94	-12.03	52.04	-665.58	-665.37	51.82	12.53
6	51	388	-66.50	-98.23	-67.49	-97.24	5.52	-227.81	-1806.05	-1805.95	-227.91	-12.78
6	51	390	131.79	-87.85	130.84	-86.90	-14.39	-540.40	-3664.31	-3664.25	-540.46	14.34
6	51	391	95.18	-121.53	93.78	-120.12	-17.42	-51.89	-1684.27	-1683.85	-52.31	26.16
6	51	392	52.17	-119.21	50.53	-117.57	-16.68	139.60	-423.59	-423.58	139.59	-2.28
6	51	393	13.35	-105.75	11.85	-104.25	-13.27	263.44	177.68	177.68	263.44	0.34
6	51	394	-17.64	-92.24	-18.88	-91.01	-9.53	305.70	272.26	284.72	293.25	16.17
6	51	395	-32.61	-86.73	-33.64	-85.71	-7.38	270.77	148.67	154.41	265.03	25.85
6	51	396	-42.11	-84.42	-42.95	-83.57	-5.91	231.58	-20.96	-17.35	227.97	29.99
6	51	397	-50.62	-83.77	-51.22	-83.17	-4.43	181.12	-255.96	-253.79	178.95	30.70
6	51	398	-60.58	-87.03	-60.81	-86.80	-2.44	97.92	-692.52	-691.18	96.58	32.54
6	51	399	-64.96	-104.18	-65.31	-103.83	3.71	-145.69	-1813.39	-1813.37	-145.71	5.79
6	51	401	127.99	-95.20	127.23	-94.44	12.99	-514.45	-3623.57	-3622.36	-515.65	-61.22
6	51	402	92.47	-120.16	90.62	-118.32	19.71	-26.32	-1645.61	-1641.30	-30.63	-83.40
6	51	403	50.41	-119.21	47.97	-116.78	20.16	171.12	-393.34	-392.74	170.52	-18.35
6	51	404	12.56	-106.01	10.06	-103.50	17.06	297.58	197.62	198.88	296.31	11.17
6	51	405	-17.26	-93.05	-19.85	-90.46	13.76	331.66	295.14	303.34	323.46	15.24
6	51	406	-31.46	-87.91	-34.23	-85.14	12.19	294.26	172.24	174.87	291.63	17.73
6	51	407	-40.50	-85.74	-43.36	-82.89	11.00	253.21	2.86	5.27	250.79	24.47
6	51	408	-48.82	-84.94	-51.56	-82.19	9.57	198.92	-230.92	-228.56	196.56	31.77
6	51	409	-59.11	-86.11	-61.22	-84.00	7.26	104.38	-663.81	-661.16	101.74	44.98
6	51	410	-70.70	-105.93	-70.88	-105.75	-2.49	-149.83	-1793.32	-1792.89	-150.26	26.50
6	51	413	117.14	-111.38	107.92	-102.17	44.96	-441.34	-3223.72	-3220.49	-444.58	-94.81
6	51	414	84.72	-139.80	67.65	-122.73	59.51	69.04	-1389.28	-1367.00	46.77	-178.85
6	51	415	44.28	-129.68	24.65	-110.05	55.04	230.74	-281.76	-280.48	229.46	-25.58
6	51	416	11.46	-112.84	-6.00	-95.38	43.19	338.42	215.89	218.85	335.46	18.82
6	51	417	-12.27	-99.67	-27.85	-84.09	33.45	342.97	299.19	299.83	342.34	5.23
6	51	418	-23.42	-94.34	-38.63	-79.13	29.11	300.95	182.26	182.60	300.61	-6.32
6	51	419	-30.97	-91.39	-45.82	-76.54	26.01	253.07	27.45	27.48	253.04	2.62
6	51	420	-38.58	-89.05	-52.56	-75.07	22.59	192.31	-188.76	-188.45	192.00	10.88
6	51	421	-50.05	-86.89	-61.25	-75.69	16.95	90.50	-594.48	-593.18	89.20	29.83
6	51	422	-67.08	-88.23	-67.12	-88.19	-0.94	-189.63	-1722.54	-1721.76	-190.40	34.42
6	51	424	94.64	-168.18	62.02	-135.57	86.65	-220.78	-2238.91	-2225.60	-234.10	-163.36
6	51	425	66.25	-177.87	9.40	-121.02	103.19	175.57	-927.40	-874.83	123.00	-235.00
6	51	426	29.72	-143.71	-23.21	-90.79	79.86	275.87	-126.88	-125.43	274.41	-24.14
6	51	427	4.04	-117.76	-33.69	-80.03	56.32	329.30	213.25	214.77	327.79	13.16
6	51	428	-10.14	-103.93	-39.64	-74.43	43.55	309.66	250.83	260.42	300.07	-21.74
6	51	429	-16.19	-98.23	-43.99	-70.43	38.83	273.54	145.02	165.52	253.03	-47.06
6	51	430	-20.65	-94.27	-47.54	-67.38	35.45	213.31	33.06	40.20	206.17	-35.16
6	51	431	-25.62	-90.28	-51.36	-64.54	31.65	150.71	-138.07	-135.76	148.39	-25.76
6	51	432	-34.43	-84.25	-57.46	-61.22	24.84	54.26	-473.29	-473.16	54.13	8.27
6	51	433	-61.42	-67.65	-62.28	-66.79	2.15	-200.19	-1464.63	-1462.63	-202.20	50.28
6	51	435	22.72	-281.48	-64.14	-194.61	137.40	57.22	-966.87	-940.30	30.65	-162.82
6	51	436	40.53	-225.00	-97.08	-87.40	132.68	229.12	-367.77	-297.28	158.63	-192.63
6	51	437	4.79	-143.57	-86.13	-52.64	72.26	231.83	-17.14	-10.11	224.80	-41.24
6	51	438	-14.52	-111.08	-62.02	-63.59	48.27	187.40	128.66	161.53	154.53	-29.16
6	51	439	-17.63	-99.14	-50.36	-66.41	39.96	203.34	54.81	175.12	83.04	-58.28
6	51	440	-16.72	-93.74	-47.17	-63.29	37.66	167.40	-1.78	111.25	54.36	-79.67
6	51	441	-16.22	-89.12	-45.88	-59.46	35.81	95.56	-34.76	27.20	33.60	-65.08
6	51	442	-16.27	-83.42	-45.30	-54.40	33.26	34.67	-114.62	-88.33	8.38	-56.87
6	51	443	-18.11	-73.83	-45.51	-46.43	27.85	-42.36	-301.37	-299.80	-43.93	-20.10
6	51	444	-34.53	-47.32	-46.92	-34.93	2.21	-185.54	-984.09	-980.19	-189.44	55.66
6	51	446	-51.40	-422.99	-205.53	-268.86	183.08	169.42	-82.00	-50.39	137.80	-83.36
6	51	447	45.21	-271.08	-216.23	-9.63	119.75	160.87	-91.35	-73.72	143.24	-64.31
6	51	448	-16.24	-123.84	-106.78	-33.30	39.29	151.75	-71.36	5.78	74.61	-106.11
6	51	449	-33.71	-98.77	-75.29	-57.20	31.25	116.03	-222.51	89.33	-195.81	-91.25
6	51	450	-33.79	-87.61	-58.25	-63.14	26.80	85.62	-355.94	73.29	-343.61	-72.75
6	51	451	-27.46	-82.99	-49.45	-61.00	27.15	36.95	-361.74	26.05	-350.84	-65.04
6	51	452	-22.69	-76.62	-43.15	-56.17	26.17	-23.02	-334.02	-29.28	-327.76	-43.68
6	51	453	-17.41	-67.84	-37.25	-47.99	24.64	-92.31	-289.96	-97.84	-284.43	-32.59
6	51	454	-10.01	-52.79	-29.45	-33.34	21.30	-178.58	-245.20	-204.35	-219.43	-32.44
6	51	456	-5.06	-22.49	-22.30	-5.25	-1.82	-149.44	-416.01	-415.03	-150.43	16.16
6	51	467	-124.91	-458.02	-301.40	-281.53	166.26	734.39	-455.93	732.15	-453.69	51.57
6	51	468	123.54	-81.16	-72.62	114.99	-40.94	163.88	-46.91	163.86	-46.89	-1.68
6	51	469	-22.00	-101.51	-100.78	-22.73	7.59	-59.44	-616.43	-77.18	-598.68	-97.81
6	51	470	-52.23	-98.03	-94.85	-55.40	11.63	-148.51	-1056.66	-151.78	-1053.39	-54.43
6	51	471	-57.03	-80.42	-75.07	-62.38	9.82	-172.79	-1173.56	-173.14	-1173.21	-18.54
6	51	472	-52.25	-65.17	-59.66	-57.76	6.39	-189.57	-1092.12	-189.60	-1092.08	5.63
6	51	473	-42.64	-55.28	-46.35	-51.57	5.76	-202.44	-967.84	-202.95	-967.33	19.86
6	51	474	-29.75	-46.75	-31.73	-44.77	5.45	-208.20	-798.73	-209.35	-797.57	26.11
6	51	475	-8.45	-29.05	-9.49	-28.02	4.50	-197.78	-485.40	-199.34	-483.83	21.15
6	51	476	38.66	-21.96	13.81	2.90	-29.81	-119.72	-199.76	-199.68	-119.79	2.45
6	74	335	-133.74	-444.58	-300.78	-277.54	-154.99	599.42	-571.83	595.16	-567.56	-70.59
6	74	336	121.01	-73.33	-67.89	115.57	32.06	151.51	-89.07	137.12	-74.68	-57.05

6	74	337	-20.77	-101.80	-99.43	-23.14	-13.63	-20.76	-628.06	-25.66	-623.16	54.35
6	74	338	-48.52	-99.10	-91.87	-55.75	-17.70	-59.01	-1075.80	-60.07	-1074.75	32.67
6	74	339	-51.13	-82.87	-71.16	-62.84	-15.31	-63.48	-1194.65	-63.71	-1194.42	16.14
6	74	340	-45.45	-68.68	-55.51	-58.63	-11.51	-79.31	-1114.01	-79.33	-1113.99	5.22
6	74	341	-36.14	-59.61	-42.57	-53.18	-10.47	-102.49	-993.93	-102.49	-993.93	-0.45
6	74	342	-24.14	-50.61	-28.16	-46.59	-9.50	-127.73	-827.01	-127.76	-826.98	-4.08
6	74	343	-4.81	-33.78	-6.91	-31.67	-7.52	-161.13	-517.40	-161.23	-517.30	5.98
6	74	344	35.99	-23.06	9.38	3.54	29.38	-132.42	-182.50	-155.46	-159.46	24.96
6	74	346	-61.06	-475.17	-249.85	-286.38	-206.25	36.72	-18.34	35.19	-16.81	-9.05
6	74	347	53.21	-273.40	-222.22	2.03	-118.73	95.14	-60.35	-45.34	80.13	-45.92
6	74	348	-9.48	-131.87	-110.07	-31.29	-46.83	87.95	44.86	71.40	61.41	20.96
6	74	349	-25.87	-105.64	-74.67	-56.84	-38.88	211.74	-149.68	205.85	-143.79	45.76
6	74	350	-25.19	-94.61	-55.80	-63.99	-34.47	236.23	-251.07	223.09	-237.93	78.94
6	74	351	-20.07	-89.94	-47.20	-62.80	-34.05	202.52	-254.29	179.40	-231.18	100.12
6	74	352	-16.68	-83.93	-41.85	-58.76	-32.55	149.91	-244.49	115.62	-210.20	111.13
6	74	353	-13.77	-75.86	-37.64	-51.99	-30.20	78.40	-234.67	25.20	-181.47	117.58
6	74	354	-11.29	-62.38	-33.37	-40.30	-25.31	-26.02	-264.53	-133.10	-157.45	118.63
6	74	355	-16.04	-28.40	-28.26	-16.18	-1.31	-185.01	-525.92	-525.89	-185.03	2.94
6	74	357	55.45	-251.74	-18.32	-177.97	-131.22	-77.85	-1419.76	-1402.78	-94.83	149.98
6	74	358	57.00	-227.23	-66.91	-103.33	-140.94	177.05	-456.46	-425.46	146.05	136.68
6	74	359	21.47	-156.31	-72.01	-62.83	-88.77	297.80	73.72	84.83	286.69	-48.65
6	74	360	-1.29	-121.65	-55.93	-67.02	-59.92	367.25	286.65	357.51	296.40	-26.28
6	74	361	-9.57	-107.57	-47.85	-69.29	-47.82	422.51	234.23	404.30	252.44	55.66
6	74	362	-12.36	-101.41	-46.60	-67.16	-43.32	388.88	157.10	331.51	214.47	100.03
6	74	363	-14.72	-96.50	-46.57	-64.64	-39.88	324.25	78.59	224.95	177.89	120.56
6	74	364	-17.80	-90.61	-47.14	-61.26	-35.72	231.34	-29.53	71.08	130.73	126.98
6	74	365	-24.46	-80.44	-48.66	-56.24	-27.73	75.93	-260.46	-229.65	45.11	97.03
6	74	366	-51.27	-54.17	-52.29	-53.16	-1.38	-163.75	-1083.59	-1083.42	-163.92	-12.44
6	74	368	106.79	-142.52	78.95	-114.68	-78.52	-283.45	-2613.36	-2609.85	-286.95	90.34
6	74	369	79.04	-171.21	29.34	-121.51	-99.83	159.00	-996.96	-979.89	141.93	139.46
6	74	370	41.65	-146.48	-8.57	-96.26	-83.22	347.72	-8.99	-4.52	343.26	-39.67
6	74	371	12.57	-123.46	-26.13	-84.76	-61.37	496.23	407.40	455.02	448.61	-44.30
6	74	372	-6.44	-109.52	-36.90	-79.07	-47.03	545.80	442.65	539.60	448.85	24.51
6	74	373	-15.68	-103.68	-43.14	-76.21	-40.78	484.38	355.14	435.87	403.64	62.58
6	74	374	-22.38	-99.83	-47.71	-74.50	-36.33	403.94	233.75	286.13	351.56	78.55
6	74	375	-29.60	-96.04	-52.21	-73.43	-31.48	311.05	42.23	69.87	283.41	81.64
6	74	376	-41.71	-90.41	-58.39	-73.73	-23.11	168.03	-359.44	-353.69	162.28	54.79
6	74	377	-63.59	-84.74	-63.62	-84.71	-0.75	-119.77	-1472.31	-1472.25	-119.83	-9.00
6	74	379	122.80	-101.22	114.68	-93.09	-41.89	-412.63	-3367.31	-3365.81	-414.13	66.52
6	74	380	90.00	-130.12	75.00	-115.11	-55.47	94.51	-1376.81	-1370.87	88.57	93.30
6	74	381	50.13	-127.91	32.67	-110.45	-52.96	334.84	-107.32	-106.10	333.62	-23.15
6	74	382	15.07	-114.44	-0.79	-98.59	-42.45	528.16	459.96	503.45	484.67	-32.79
6	74	383	-11.86	-102.75	-25.65	-88.96	-32.61	623.80	516.14	623.14	516.80	8.39
6	74	384	-25.18	-98.11	-37.82	-85.47	-27.60	522.08	455.42	497.98	479.52	32.02
6	74	385	-34.21	-95.80	-45.71	-84.30	-24.00	443.92	304.51	318.45	429.98	41.83
6	74	386	-43.14	-94.40	-52.91	-84.63	-20.13	369.34	54.81	60.99	363.15	43.67
6	74	387	-55.92	-93.84	-62.12	-87.64	-14.03	248.91	-438.47	-437.35	247.79	27.65
6	74	388	-67.39	-113.43	-67.79	-113.03	4.27	-63.11	-1711.44	-1711.38	-63.17	-9.98
6	74	390	130.42	-73.87	129.70	-73.15	-12.05	-466.52	-3704.91	-3704.85	-466.58	13.76
6	74	391	94.01	-113.23	92.82	-112.04	-15.64	61.48	-1562.02	-1561.79	61.25	19.39
6	74	392	51.77	-115.97	50.31	-114.51	-15.59	322.47	-158.39	-158.21	322.28	-9.37
6	74	393	13.17	-106.27	11.79	-104.89	-12.77	527.57	491.33	525.62	493.28	-8.18
6	74	394	-17.97	-95.73	-19.19	-94.51	-9.63	665.25	541.04	664.79	541.50	7.58
6	74	395	-33.03	-91.95	-34.11	-90.88	-7.89	540.80	500.70	530.86	510.64	17.31
6	74	396	-42.53	-90.97	-43.46	-90.04	-6.66	468.89	335.00	338.97	464.91	22.72
6	74	397	-50.92	-91.79	-51.64	-91.07	-5.36	403.72	63.26	65.32	401.66	26.36
6	74	398	-60.30	-97.42	-60.66	-97.07	-3.60	291.06	-463.49	-462.26	289.83	30.49
6	74	399	-65.30	-120.86	-65.41	-120.75	2.41	17.66	-1721.39	-1721.38	17.66	1.78
6	74	401	127.53	-80.77	126.32	-79.55	15.85	-456.30	-3663.65	-3662.92	-457.03	-48.35
6	74	402	92.38	-113.22	89.90	-110.73	22.47	71.50	-1524.23	-1522.18	69.45	-57.24
6	74	403	50.97	-116.98	47.78	-113.79	22.91	338.75	-138.14	-138.09	338.69	5.29
6	74	404	13.21	-107.32	9.95	-104.07	19.54	545.82	498.35	534.49	509.68	20.24
6	74	405	-16.94	-97.03	-20.14	-93.83	15.69	672.17	553.81	671.26	554.72	10.30
6	74	406	-31.48	-93.30	-34.63	-90.15	13.59	541.24	519.15	540.03	520.37	5.04
6	74	407	-40.79	-92.13	-43.75	-89.17	11.97	471.22	351.35	351.54	471.02	4.78
6	74	408	-49.29	-92.40	-51.81	-89.89	10.10	402.85	82.40	82.61	402.64	8.24
6	74	409	-59.48	-95.44	-60.93	-93.99	7.06	278.32	-433.53	-432.81	277.60	22.66
6	74	410	-70.66	-121.48	-70.93	-121.22	-3.64	-5.36	-1699.32	-1699.19	-5.49	14.93
6	74	413	118.02	-100.38	106.86	-89.22	48.09	-392.35	-3266.35	-3265.01	-393.69	-62.04
6	74	414	86.73	-135.91	66.86	-116.04	63.47	145.60	-1273.18	-1263.51	135.92	-116.77
6	74	415	47.17	-130.49	24.31	-107.63	59.49	381.21	-52.96	-51.36	379.62	26.25
6	74	416	14.23	-116.56	-6.30	-96.03	47.58	569.85	481.81	524.59	527.07	44.00
6	74	417	-10.23	-105.24	-28.34	-87.13	37.31	637.20	550.39	637.12	550.46	2.60
6	74	418	-22.21	-100.59	-39.19	-83.61	32.29	534.18	490.51	518.44	506.25	-20.96
6	74	419	-30.51	-97.96	-46.32	-82.15	28.57	458.57	338.66	346.77	450.46	-30.11
6	74	420	-38.98	-95.82	-52.86	-81.94	24.42	379.12	96.09	99.53	375.69	-30.98
6	74	421	-51.57	-93.96	-60.93	-84.59	17.59	243.09	-380.97	-380.57	242.69	-15.76
6	74	422	-67.17	-101.43	-67.22	-101.39	-1.20	-67.64	-1638.85	-1638.80	-67.69	8.09
6	74	424	97.65	-161.83	60.97	-125.14	90.40	-182.85	-2277.72	-2270.26	-190.30	-124.78

6	74	425	70.93	-178.81	8.20	-116.08	108.31	221.38	-817.12	-795.26	199.52	-149.08
6	74	426	35.46	-148.55	-23.95	-89.14	86.03	408.82	58.31	65.53	401.60	49.80
6	74	427	9.10	-124.40	-34.52	-80.77	62.62	534.24	431.42	474.48	491.17	50.73
6	74	428	-6.41	-111.21	-40.67	-76.95	49.16	555.80	471.62	549.33	478.09	-22.41
6	74	429	-13.60	-105.44	-44.99	-74.04	43.56	505.59	377.21	453.93	428.87	-62.96
6	74	430	-19.03	-101.26	-48.42	-71.87	39.41	430.72	258.63	314.47	374.87	-80.57
6	74	431	-25.19	-96.84	-52.00	-70.02	34.67	337.22	79.24	111.23	305.23	-85.02
6	74	432	-36.03	-89.73	-57.42	-68.34	26.29	192.69	-298.82	-291.51	185.39	-59.47
6	74	433	-61.94	-78.44	-62.36	-78.01	2.62	-99.95	-1395.12	-1394.96	-100.11	14.29
6	74	435	29.56	-279.90	-65.12	-185.22	142.60	56.26	-989.39	-976.50	43.38	-115.36
6	74	436	47.19	-231.32	-99.03	-85.11	139.08	227.72	-257.81	-241.59	211.50	-87.25
6	74	437	12.00	-152.41	-88.13	-52.27	80.23	333.17	121.02	133.24	320.95	49.42
6	74	438	-8.14	-120.46	-64.21	-64.39	56.16	366.18	275.70	361.85	280.03	19.32
6	74	439	-12.72	-107.83	-52.27	-68.28	46.88	417.11	202.85	400.34	219.62	-57.55
6	74	440	-12.90	-101.68	-48.74	-65.84	43.56	386.19	138.97	336.66	188.50	-98.95
6	74	441	-13.27	-96.48	-47.18	-62.58	40.89	327.55	75.23	241.30	161.48	-119.68
6	74	442	-14.45	-90.02	-46.27	-58.21	37.31	243.47	-13.71	103.31	126.45	-128.06
6	74	443	-18.42	-78.82	-45.76	-51.48	30.07	95.47	-202.12	-161.28	54.63	-102.40
6	74	444	-41.78	-49.03	-47.18	-43.63	3.16	-122.45	-932.44	-932.17	-122.71	14.74
6	74	446	-44.50	-428.52	-209.31	-263.71	190.07	116.52	-93.17	-88.78	112.13	-30.04
6	74	447	51.54	-279.79	-219.83	-8.42	127.56	184.00	-50.85	-42.26	175.40	44.10
6	74	448	-10.31	-134.18	-111.11	-33.38	48.22	144.18	100.69	110.48	134.39	-18.16
6	74	449	-27.23	-109.57	-78.91	-57.89	39.81	244.22	-125.98	238.36	-120.13	-46.19
6	74	450	-28.28	-96.95	-60.84	-64.38	34.29	250.07	-277.03	239.49	-266.45	-73.94
6	74	451	-22.80	-91.02	-51.24	-62.58	33.63	207.39	-295.73	190.69	-279.03	-90.13
6	74	452	-18.62	-83.84	-44.41	-58.04	31.89	148.61	-285.56	125.68	-262.63	-97.11
6	74	453	-14.14	-74.19	-38.11	-50.21	29.41	72.50	-261.96	38.70	-228.16	-100.80
6	74	454	-8.49	-57.43	-29.65	-36.27	24.25	-28.03	-256.35	-108.73	-175.65	-109.15
6	74	456	-10.07	-22.30	-22.29	-10.08	-0.24	-143.78	-386.38	-384.80	-145.37	-19.53
6	74	467	-124.90	-471.80	-313.87	-282.84	172.76	668.26	-528.26	659.82	-519.81	100.17
6	74	468	118.03	-90.70	-85.98	113.31	-31.04	157.91	-74.46	146.70	-63.26	49.78
6	74	469	-20.51	-113.22	-109.94	-23.79	17.14	0.32	-615.94	-4.33	-611.29	-53.36
6	74	470	-48.09	-108.47	-100.46	-56.09	20.47	-29.53	-1062.38	-30.30	-1061.62	-28.03
6	74	471	-51.51	-89.69	-78.11	-63.09	17.55	-31.50	-1179.93	-31.62	-1179.82	-11.41
6	74	472	-46.71	-72.91	-61.11	-58.51	13.04	-48.20	-1098.62	-48.20	-1098.62	-1.86
6	74	473	-37.78	-61.75	-47.01	-52.52	11.66	-71.91	-974.96	-71.92	-974.95	2.52
6	74	474	-25.93	-51.34	-31.41	-45.85	10.45	-99.51	-807.02	-99.54	-807.00	4.50
6	74	475	-6.36	-32.32	-8.86	-29.81	7.66	-137.05	-493.58	-137.08	-493.55	-3.36
6	74	476	36.00	-21.43	14.24	0.34	-27.86	-133.33	-185.67	-182.91	-136.10	-11.70
6	75	335	-136.63	-483.08	-331.59	-288.12	-171.85	822.62	-460.41	822.47	-460.25	-14.01
6	75	336	124.48	-82.04	-76.17	118.61	34.33	238.45	-73.36	238.42	-73.33	3.05
6	75	337	-21.08	-100.62	-99.31	-22.40	-10.13	-175.28	-617.05	-197.02	-595.31	95.55
6	75	338	-50.30	-93.60	-88.45	-55.45	-14.02	-347.72	-1046.22	-350.95	-1042.98	47.43
6	75	339	-52.12	-76.87	-66.51	-62.49	-12.21	-388.91	-1157.71	-388.91	-1157.70	0.84
6	75	340	-44.54	-64.16	-50.65	-58.06	-9.09	-387.88	-1074.31	-388.89	-1073.30	-26.39
6	75	341	-33.81	-56.33	-37.75	-52.39	-8.56	-374.97	-951.74	-378.12	-948.58	-42.54
6	75	342	-20.94	-48.23	-23.62	-45.55	-8.12	-341.02	-784.70	-347.95	-777.77	-55.02
6	75	343	-1.45	-31.88	-3.14	-30.18	-6.98	-226.58	-477.77	-240.79	-463.56	-58.02
6	75	344	38.31	-21.39	11.55	5.37	29.69	-60.37	-92.26	-77.17	-75.46	15.92
6	75	346	-58.86	-489.86	-250.36	-298.36	-214.16	191.32	-108.20	164.81	-81.68	85.08
6	75	347	52.49	-283.91	-227.70	-3.72	-125.49	152.56	-418.85	-128.20	-138.09	285.66
6	75	348	-10.96	-134.87	-112.82	-33.01	-47.40	26.75	-456.77	-210.06	-219.96	241.71
6	75	349	-27.80	-104.28	-75.03	-57.06	-37.17	-137.42	-512.83	-189.31	-460.94	129.57
6	75	350	-26.48	-91.55	-54.79	-63.24	-32.26	-204.64	-549.98	-205.66	-548.96	18.75
6	75	351	-20.78	-86.56	-45.81	-61.53	-31.93	-228.57	-521.82	-233.88	-516.50	-39.12
6	75	352	-17.02	-80.47	-40.32	-57.17	-30.58	-239.62	-494.99	-266.64	-467.96	-78.56
6	75	353	-13.78	-72.38	-36.04	-50.12	-28.44	-231.83	-479.88	-307.72	-403.99	-114.31
6	75	354	-10.92	-59.01	-31.80	-38.13	-23.83	-187.06	-504.61	-364.81	-326.87	-157.64
6	75	355	-13.26	-26.97	-26.93	-13.29	-0.69	-187.79	-503.76	-487.10	-204.45	-70.61
6	75	357	60.69	-269.36	-18.29	-190.38	-140.81	-237.44	-1319.60	-1272.19	-284.86	221.51
6	75	358	56.10	-238.12	-68.38	-113.63	-145.36	110.56	-912.30	-659.74	-142.00	441.07
6	75	359	19.51	-161.68	-74.35	-67.82	-90.54	-28.75	-447.45	-370.32	-105.88	162.31
6	75	360	-3.42	-122.97	-57.72	-68.67	-59.52	-117.65	-253.93	-221.01	-150.57	58.33
6	75	361	-11.39	-106.34	-48.86	-68.87	-46.41	-185.59	-211.88	-204.89	-192.59	11.62
6	75	362	-13.79	-99.33	-47.26	-65.86	-41.74	-199.00	-256.06	-252.72	-202.34	-13.39
6	75	363	-15.81	-94.03	-47.03	-62.81	-38.30	-196.03	-328.81	-317.47	-207.37	-37.11
6	75	364	-18.49	-87.92	-47.44	-58.98	-34.23	-192.74	-429.75	-408.20	-214.30	-68.15
6	75	365	-24.47	-77.80	-48.71	-53.56	-26.56	-177.25	-634.29	-584.30	-227.24	-142.66
6	75	366	-49.74	-52.01	-51.92	-49.83	-0.44	-320.94	-1074.84	-1067.82	-327.96	-72.42
6	75	368	109.68	-164.77	79.58	-134.68	-85.76	-437.20	-2474.43	-2463.48	-448.15	148.93
6	75	369	78.15	-184.56	27.75	-134.16	-103.44	-35.08	-1429.21	-1322.09	-142.19	371.30
6	75	370	39.50	-153.64	-10.81	-103.33	-84.76	-57.54	-624.91	-596.16	-86.29	124.45
6	75	371	10.09	-126.32	-28.46	-87.77	-61.42	-54.21	-272.11	-269.03	-57.29	25.73
6	75	372	-8.66	-109.45	-38.87	-79.24	-46.18	-63.68	-210.72	-210.72	-63.69	-1.01
6	75	373	-17.52	-102.46	-44.84	-75.14	-39.67	-80.07	-281.60	-280.67	-81.00	-13.66
6	75	374	-23.89	-98.00	-49.24	-72.64	-35.16	-96.84	-382.90	-379.83	-99.91	-29.47
6	75	375	-30.71	-93.77	-53.61	-70.86	-30.33	-117.41	-529.26	-522.40	-124.27	-52.69
6	75	376	-42.13	-87.77	-59.76	-70.14	-22.22	-145.37	-823.62	-805.98	-163.01	-107.96
6	75	377	-64.21	-82.21	-64.25	-82.17	-0.89	-333.30	-1484.70	-1482.69	-335.30	-47.98

6	75	379	124.19	-126.05	115.78	-117.64	-45.10	-548.94	-3207.77	-3205.08	-551.63	84.53
6	75	380	89.13	-144.65	73.75	-129.27	-57.97	-158.08	-1795.24	-1766.03	-187.29	216.73
6	75	381	47.93	-136.36	30.44	-118.87	-54.01	-96.85	-791.28	-783.14	-105.00	74.77
6	75	382	12.44	-118.32	-3.33	-102.55	-42.59	-43.92	-316.68	-316.20	-44.40	11.50
6	75	383	-14.26	-103.39	-27.98	-89.67	-32.17	-27.08	-219.50	-219.44	-27.14	-3.53
6	75	384	-27.22	-97.34	-39.87	-84.70	-26.96	-38.95	-303.71	-303.39	-39.27	-9.21
6	75	385	-35.94	-94.17	-47.55	-82.56	-23.26	-56.61	-425.43	-424.64	-57.40	-17.05
6	75	386	-44.53	-91.97	-54.52	-81.98	-19.34	-80.88	-600.03	-598.43	-82.47	-28.70
6	75	387	-56.96	-90.25	-63.46	-83.75	-13.20	-117.41	-940.67	-937.09	-120.98	-54.11
6	75	388	-68.76	-106.55	-68.99	-106.31	2.97	-323.39	-1741.40	-1741.06	-323.72	-21.87
6	75	390	132.13	-95.10	131.36	-94.32	-13.23	-622.00	-3532.95	-3532.79	-622.16	21.52
6	75	391	93.51	-129.12	92.33	-127.93	-16.21	-221.23	-1967.52	-1965.80	-222.95	54.79
6	75	392	49.60	-125.08	48.14	-123.62	-15.88	-117.49	-872.63	-872.22	-117.89	17.45
6	75	393	10.53	-110.66	9.15	-109.28	-12.86	-42.16	-338.07	-338.00	-42.22	4.25
6	75	394	-20.42	-96.72	-21.64	-95.49	-9.60	-12.54	-220.70	-220.61	-12.63	4.38
6	75	395	-35.15	-91.40	-36.26	-90.29	-7.82	-19.94	-309.61	-309.51	-20.04	5.48
6	75	396	-44.36	-89.40	-45.33	-88.42	-6.56	-35.84	-438.93	-438.86	-35.92	5.37
6	75	397	-52.43	-89.23	-53.19	-88.46	-5.24	-59.75	-623.00	-622.96	-59.78	4.34
6	75	398	-61.26	-93.50	-61.64	-93.13	-3.45	-103.32	-975.64	-975.63	-103.34	3.40
6	75	399	-66.68	-111.25	-66.83	-111.10	2.55	-275.24	-1757.50	-1757.49	-275.26	-4.21
6	75	401	128.80	-106.76	127.55	-105.51	17.10	-581.55	-3498.14	-3497.22	-582.48	-51.92
6	75	402	91.22	-128.19	88.61	-125.58	23.80	-193.24	-1943.30	-1936.05	-200.49	-112.38
6	75	403	48.71	-125.89	45.51	-122.69	23.42	-97.82	-848.69	-846.52	-99.99	-40.29
6	75	404	10.50	-111.56	7.29	-108.34	19.54	-23.33	-322.12	-322.12	-23.33	-0.12
6	75	405	-19.53	-97.84	-22.67	-94.71	15.36	6.55	-209.47	-208.33	5.41	15.63
6	75	406	-33.82	-92.57	-36.92	-89.48	13.12	-1.49	-298.07	-296.29	-3.27	22.90
6	75	407	-42.91	-90.43	-45.84	-87.51	11.43	-18.19	-426.32	-424.18	-20.34	29.51
6	75	408	-51.17	-89.79	-53.68	-87.28	9.52	-43.26	-608.79	-606.33	-45.73	37.27
6	75	409	-61.11	-91.55	-62.52	-90.14	6.41	-88.76	-959.17	-956.21	-91.72	50.62
6	75	410	-72.21	-114.81	-72.30	-114.72	-1.94	-262.81	-1734.43	-1734.31	-262.93	13.26
6	75	413	120.52	-123.71	108.05	-111.24	53.76	-540.87	-3109.77	-3105.32	-545.32	-106.88
6	75	414	85.68	-150.24	65.50	-130.06	65.98	-95.59	-1694.16	-1642.69	-147.06	-282.20
6	75	415	44.96	-138.55	22.10	-115.69	60.60	-45.17	-719.31	-707.22	-57.25	-89.43
6	75	416	11.57	-120.09	-8.84	-99.68	47.65	6.14	-273.40	-273.31	6.04	-5.09
6	75	417	-12.75	-105.59	-30.73	-87.62	36.69	22.09	-188.64	-186.53	19.98	21.00
6	75	418	-24.42	-99.67	-41.39	-82.70	31.45	8.60	-271.27	-267.34	4.67	32.96
6	75	419	-32.43	-96.32	-48.38	-80.37	27.65	-10.58	-389.64	-384.01	-16.21	45.85
6	75	420	-40.57	-93.63	-54.81	-79.40	23.51	-36.96	-559.43	-551.72	-44.66	62.97
6	75	421	-52.73	-91.15	-62.84	-81.03	16.92	-78.63	-892.89	-881.16	-90.36	97.01
6	75	422	-68.19	-98.95	-68.23	-98.91	-1.09	-285.89	-1662.76	-1661.87	-286.78	34.99
6	75	424	101.69	-179.88	61.71	-139.89	98.28	-367.24	-2144.06	-2125.99	-385.32	-178.31
6	75	425	70.51	-191.53	7.46	-128.47	112.02	32.83	-1231.89	-1097.69	-101.37	-389.50
6	75	426	33.50	-155.26	-26.06	-95.70	87.72	10.34	-519.39	-489.43	-19.62	-122.37
6	75	427	6.76	-126.81	-36.72	-83.33	62.59	4.40	-214.77	-213.18	2.82	-18.60
6	75	428	-8.51	-110.80	-42.44	-76.87	48.17	-10.69	-168.55	-167.28	-11.96	14.12
6	75	429	-15.34	-104.00	-46.48	-72.86	42.33	-26.90	-236.22	-231.57	-31.55	30.83
6	75	430	-20.43	-99.32	-49.72	-70.04	38.12	-42.86	-331.61	-322.76	-51.71	49.78
6	75	431	-26.19	-94.58	-53.11	-67.66	33.41	-62.64	-469.50	-454.58	-77.56	76.49
6	75	432	-36.37	-87.34	-58.23	-65.48	25.23	-87.39	-749.20	-718.78	-117.80	138.58
6	75	433	-62.40	-74.79	-62.59	-74.60	1.51	-292.00	-1398.71	-1395.09	-295.63	63.20
6	75	435	30.44	-298.44	-66.55	-201.45	149.97	-64.23	-887.55	-845.81	-105.97	-180.62
6	75	436	47.23	-242.46	-101.66	-93.57	144.79	186.14	-677.49	-445.40	-45.95	-382.85
6	75	437	10.27	-157.14	-90.70	-56.17	81.90	37.38	-356.89	-278.22	-41.29	-157.58
6	75	438	-10.12	-120.96	-65.58	-65.50	55.42	-88.86	-212.89	-169.66	-132.09	-59.10
6	75	439	-14.29	-105.98	-52.62	-67.64	45.22	-162.87	-188.55	-162.95	-188.47	-1.39
6	75	440	-14.06	-99.09	-48.69	-64.46	41.78	-167.35	-228.59	-204.16	-191.78	29.98
6	75	441	-14.12	-93.56	-46.92	-60.76	39.11	-157.92	-290.33	-259.80	-188.45	55.77
6	75	442	-14.98	-86.89	-45.85	-56.02	35.59	-146.12	-376.24	-336.97	-185.38	86.56
6	75	443	-18.49	-75.61	-45.15	-48.95	28.50	-121.27	-548.82	-478.62	-191.46	158.39
6	75	444	-39.49	-47.14	-46.54	-40.09	2.06	-245.45	-917.06	-907.33	-255.18	80.24
6	75	446	-41.86	-445.87	-209.55	-278.19	199.06	172.90	-77.78	40.13	54.99	-125.12
6	75	447	50.25	-290.64	-225.77	-14.61	133.81	202.08	-382.84	-148.96	-31.79	-286.53
6	75	448	-11.80	-136.96	-113.93	-34.83	48.50	71.48	-391.72	-178.01	-142.22	-230.91
6	75	449	-29.20	-107.66	-78.89	-57.98	37.81	-107.03	-468.33	-152.84	-422.51	-120.22
6	75	450	-29.38	-93.32	-59.10	-63.60	31.89	-177.03	-548.28	-177.18	-548.14	-7.30
6	75	451	-23.15	-87.12	-48.97	-61.30	31.39	-198.89	-535.21	-206.73	-527.37	50.72
6	75	452	-18.50	-79.91	-41.96	-56.45	29.84	-208.24	-508.79	-237.76	-479.27	89.44
6	75	453	-13.65	-70.31	-35.59	-48.36	27.60	-199.64	-479.57	-272.05	-407.17	122.58
6	75	454	-7.64	-53.76	-27.28	-34.12	22.80	-157.58	-455.85	-312.02	-301.41	149.05
6	75	456	-7.67	-20.57	-20.53	-7.71	-0.75	-103.29	-345.45	-337.09	-111.65	44.20
6	75	467	-126.92	-509.05	-342.77	-293.20	189.45	893.85	-412.51	892.77	-411.43	37.56
6	75	468	121.40	-98.43	-93.28	116.24	-33.28	242.23	-55.61	240.75	-54.13	-20.92
6	75	469	-20.92	-111.44	-109.42	-22.94	13.38	-163.71	-600.52	-185.43	-578.80	-94.95
6	75	470	-49.96	-102.65	-96.82	-55.79	16.52	-327.85	-1030.46	-330.18	-1028.13	-40.40
6	75	471	-52.81	-82.84	-72.88	-62.77	14.14	-368.07	-1143.24	-368.08	-1143.24	2.30
6	75	472	-46.15	-67.16	-55.34	-57.97	10.42	-369.20	-1059.86	-369.99	-1059.06	23.44
6	75	473	-35.43	-57.50	-41.18	-51.74	9.69	-357.43	-933.82	-359.44	-931.80	34.03
6	75	474	-22.19	-48.52	-25.90	-44.81	9.16	-326.13	-764.58	-329.84	-760.87	40.17
6	75	475	-2.33	-30.45	-4.42	-28.36	7.37	-211.05	-450.96	-218.19	-443.83	40.75

6	75	476	38.36	-19.34	16.56	2.46	-27.98	-61.10	-100.57	-95.90	-65.77	-12.75

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-647.62	-429.25	-389.55	-278.10		-4875.01	-4874.95	-1563.33	-494.61
	171.73		170.73	154.29	258.53	1096.20		1094.84	857.84	558.79

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
8	2	920	40.21	14.99	29.82	25.38	-12.42	-37.73	-40.87	-37.95	-40.65	-0.80
8	2	921	43.52	13.70	40.94	16.29	8.39	450.78	151.38	198.85	403.31	-109.36
8	2	922	24.73	-24.25	21.89	-21.40	11.46	1412.32	385.10	400.94	1396.48	-126.58
8	2	923	-6.91	-60.02	-9.32	-57.60	11.06	2504.77	484.42	492.16	2497.03	-124.81
8	2	924	-28.97	-88.92	-32.05	-85.84	13.24	3352.52	402.32	412.83	3342.01	-175.78
8	2	925	-38.73	-96.91	-50.76	-84.88	23.56	3420.00	657.98	708.64	3369.33	-370.62
8	2	926	-62.19	-92.34	-81.43	-73.10	14.49	2896.91	1098.26	1107.79	2887.38	-130.60
8	2	927	-48.57	-69.62	-57.35	-60.84	-10.38	2533.64	677.93	814.33	2397.23	484.28
8	2	928	-3.27	-38.41	-4.30	-37.38	-5.93	1939.52	143.86	253.60	1829.78	430.13
8	2	929	17.22	-2.33	16.87	-1.97	2.62	881.19	89.87	116.61	854.45	142.99
8	2	930	26.56	12.56	22.31	16.81	6.44	341.11	146.54	304.61	183.04	75.96
8	2	931	13.40	1.28	13.37	1.31	0.62	350.39	204.54	267.53	287.40	72.25
8	2	932	-14.28	-24.48	-14.90	-23.87	-2.43	744.60	147.82	153.31	739.12	56.95
8	2	933	-30.87	-43.76	-34.71	-39.91	-5.90	1110.49	78.19	79.17	1109.51	31.77
8	2	934	-30.58	-47.25	-34.59	-43.24	-7.12	1186.14	65.78	65.81	1186.10	-6.35
8	2	935	-24.79	-40.64	-27.29	-38.14	-5.78	1067.66	69.97	70.89	1066.74	-30.29
8	2	936	-17.43	-34.25	-19.44	-32.23	-5.46	924.42	87.92	89.84	922.50	-40.01
8	2	937	-8.39	-26.21	-10.12	-24.48	-5.28	743.80	108.70	112.32	740.18	-47.81
8	2	938	4.51	-11.56	3.36	-10.41	-4.14	452.54	147.30	159.64	440.20	-60.12
8	2	939	19.48	-0.94	10.72	7.82	10.11	167.63	118.44	152.71	133.36	-22.61
8	2	940	29.30	15.35	16.43	28.22	3.73	514.13	141.19	466.11	189.20	-124.91
8	2	941	16.70	-15.00	2.14	-0.44	15.80	435.95	344.57	407.98	372.54	-42.11
8	2	942	14.15	-46.30	-7.42	-24.72	28.97	785.22	285.34	316.83	753.72	121.45
8	2	943	-0.60	-71.60	-16.97	-55.23	29.90	1311.66	203.23	225.09	1289.81	154.10
8	2	944	-18.23	-89.15	-27.40	-79.99	23.79	1937.20	9.39e-02	13.19	1924.11	158.71
8	2	945	-6.49	-22.88	-21.11	-8.26	-5.09	703.48	22.07	70.44	655.11	-174.98
8	2	946	12.97	-25.87	-25.76	12.86	2.07	619.48	265.90	619.43	265.96	-4.39
8	2	947	0.85	-27.84	-25.23	-1.75	8.24	629.76	-197.78	360.79	71.19	387.60
8	2	948	-10.51	-35.73	-27.71	-18.53	11.74	566.73	-336.96	-25.27	255.05	429.56
8	2	949	-27.79	-33.13	-30.98	-29.94	-2.62	393.59	-308.62	-258.23	343.20	181.22
8	2	950	-16.39	-46.54	-23.32	-39.62	-12.68	339.82	-268.30	-260.57	332.08	-68.16
8	2	951	-13.65	-46.73	-22.63	-37.75	-14.72	361.19	-336.28	-253.42	278.32	-225.67
8	2	952	-9.33	-43.66	-21.09	-31.90	-16.29	402.22	-321.60	-144.91	225.54	-310.92
8	2	953	-4.95	-39.51	-19.08	-25.37	-16.99	430.30	-286.35	-30.83	174.78	-343.26
8	2	954	-1.10	-31.52	-15.87	-16.75	-15.20	473.37	-204.62	133.99	134.77	-339.00
8	2	955	3.37	-10.24	-9.04	2.17	-3.86	489.46	165.20	481.22	173.44	-51.04
8	2	956	-16.85	-133.24	-35.60	-114.49	42.79	2414.26	-292.11	-51.40	2173.55	-770.40
8	2	957	7.81	-38.01	7.81	-38.01	0.15	740.08	-207.03	735.38	-202.33	-66.54
8	2	958	0.31	-36.59	-3.35	-32.94	-11.02	756.75	-310.98	605.03	-159.26	372.79
8	2	959	-18.62	-89.72	-37.49	-70.86	-31.39	1567.88	-341.56	-236.07	1462.39	436.25
8	2	960	7.25	-24.40	-23.17	6.02	6.12	1579.67	412.23	1561.50	430.40	-144.51
8	2	961	7.72	-46.53	-25.38	-13.43	26.46	857.08	306.49	838.37	325.21	99.76
8	2	962	4.50	-63.94	-28.78	-30.67	34.21	779.26	-39.33	383.57	356.36	409.07
8	2	963	-3.90	-78.45	-29.20	-53.14	35.30	862.13	-247.52	108.61	505.99	518.02
8	2	964	-13.32	-97.79	-29.61	-81.50	33.33	1161.59	-362.77	34.47	764.35	669.13
8	2	965	-16.53	-38.61	-29.75	-25.40	-10.83	965.38	-304.78	267.95	392.65	-632.01
8	2	966	-4.12	-34.13	-34.05	-4.19	1.50	1054.61	183.10	950.30	287.41	-282.89
8	2	967	-7.85	-52.96	-49.05	-11.76	12.69	527.48	-167.03	526.94	-166.49	-19.31
8	2	968	-9.74	-45.56	-44.90	-10.40	4.81	294.75	-316.88	-199.32	177.19	241.00
8	2	969	-12.33	-33.17	-33.17	-12.34	0.28	184.10	-395.44	-385.78	174.44	74.17
8	2	970	-20.57	-67.29	-41.42	-46.45	-23.22	-58.43	-944.57	-799.45	-203.56	-327.93
8	2	971	-12.04	-51.83	-32.68	-31.20	-19.88	359.41	-789.29	-403.80	-26.08	-542.41
8	2	972	-9.07	-50.51	-30.45	-29.13	-20.71	326.71	-609.61	-195.13	-87.77	-465.07
8	2	973	-7.53	-48.51	-29.69	-26.34	-20.42	368.52	-461.63	-21.04	-72.07	-414.29
8	2	974	-7.51	-44.89	-29.70	-22.69	-18.36	498.59	-236.47	262.62	-0.51	-343.17
8	2	975	-18.59	-32.81	-31.44	-19.97	-4.20	1050.67	191.82	1049.44	193.05	-32.48
8	2	976	-10.07	-111.93	-11.59	-110.40	12.37	894.63	-81.23	132.17	681.22	403.37
8	2	979	-11.31	-72.30	-13.79	-69.82	-12.04	631.67	-217.02	63.80	350.85	-399.33
8	2	980	-27.70	-60.37	-59.60	-28.46	4.95	2757.00	593.92	2749.30	601.62	-128.84
8	2	981	-10.05	-70.50	-56.27	-24.29	25.65	1405.10	290.52	1390.95	304.67	124.79
8	2	982	-9.71	-73.57	-49.73	-33.55	30.88	832.44	-173.14	554.84	104.47	449.54
8	2	983	-15.28	-75.93	-40.36	-50.85	29.87	593.02	-553.53	93.86	-54.37	568.46
8	2	984	-18.07	-80.29	-28.31	-70.05	23.07	425.20	-741.49	-39.64	-276.64	571.18

8	2	985	-22.16	-40.12	-26.27	-36.00	-7.55	908.98	-389.62	584.40	-65.04	-562.27
8	2	986	-22.53	-28.21	-26.30	-24.44	-2.68	1249.98	279.92	1176.06	353.85	-257.38
8	2	987	-9.84	-19.25	-18.88	-10.21	-1.83	289.95	-2.19	-1.96	289.73	8.15
8	2	990	-15.28	-22.77	-16.72	-21.33	-2.95	272.09	-451.92	265.00	-444.84	-71.28
8	2	991	-12.70	-43.51	-25.15	-31.07	-15.12	305.81	-707.15	92.60	-493.94	-412.93
8	2	992	-13.74	-46.55	-30.52	-29.76	-16.40	260.10	-560.96	31.12	-331.98	-368.20
8	2	993	-15.90	-48.35	-34.92	-29.32	-15.98	324.21	-411.27	122.47	-209.54	-328.14
8	2	994	-20.26	-49.39	-40.16	-29.48	-13.55	560.14	-164.78	441.64	-46.28	-268.06
8	2	995	-39.01	-46.62	-45.62	-40.01	-2.57	1509.82	240.90	1509.28	241.45	-26.25
8	2	996	-22.92	-62.42	-23.17	-62.18	-3.11	-208.03	-524.30	-291.77	-440.55	-139.54
8	2	997	-25.91	-41.67	-36.52	-31.06	7.39	171.63	-1549.25	-1542.42	164.80	-108.17
8	2	998	-25.55	-40.75	-37.11	-29.19	-6.49	148.95	-1253.87	-1248.05	143.13	-90.16
8	2	999	-23.80	-45.44	-24.13	-45.10	2.67	491.43	-303.17	363.28	-175.02	-292.24
8	2	1000	-55.92	-85.86	-85.21	-56.57	4.36	3679.68	714.20	3676.91	716.97	-90.55
8	2	1001	-26.71	-86.89	-80.76	-32.84	18.20	1882.08	293.93	1875.97	300.04	98.32
8	2	1002	-24.79	-77.01	-68.71	-33.10	19.10	881.72	-167.97	738.34	-24.59	360.48
8	2	1003	-33.73	-65.34	-52.20	-46.86	15.58	339.47	-604.05	69.41	-333.99	426.46
8	2	1004	-33.99	-60.99	-37.90	-57.08	9.50	-90.04	-788.63	-316.47	-562.19	326.97
8	2	1005	-27.65	-39.67	-30.61	-36.71	-5.18	835.44	-198.73	781.72	-145.00	-229.51
8	2	1006	-21.63	-41.45	-27.35	-35.72	-8.98	1616.29	411.51	1610.54	417.25	83.00
8	2	1007	-19.40	-23.25	-22.27	-20.39	-1.68	190.95	-11.05	3.47	176.43	52.18
8	2	1010	-8.52	-21.16	-20.15	-9.54	-3.44	294.34	-436.97	291.02	-433.65	-49.11
8	2	1011	-25.13	-30.82	-30.25	-25.70	-1.71	7.83	-583.38	6.43	-581.97	28.79
8	2	1012	-26.32	-38.06	-36.99	-27.39	-3.38	-0.81	-408.32	-19.10	-390.03	-84.36
8	2	1013	-27.72	-44.00	-42.30	-29.42	-4.98	175.36	-297.97	129.66	-252.27	-139.79
8	2	1014	-31.67	-49.75	-47.78	-33.64	-5.64	580.24	-98.06	543.43	-61.26	-153.65
8	2	1015	-51.07	-53.44	-53.17	-51.34	-0.76	1807.49	273.19	1807.21	273.47	-20.81
8	2	1016	-32.42	-71.69	-45.97	-58.13	18.67	-428.36	-1418.31	-1059.96	-786.71	475.75
8	2	1017	-20.76	-42.90	-42.87	-20.79	-0.86	278.28	-1440.33	-1424.62	262.56	-163.60
8	2	1018	-19.45	-42.20	-42.16	-19.50	-1.01	272.83	-1099.71	-1080.92	254.03	-159.52
8	2	1019	-28.17	-62.42	-43.00	-47.58	-16.97	-53.01	-844.50	-226.33	-671.18	-327.33
8	2	1020	-22.93	-65.54	-56.02	-32.45	-17.74	1593.85	-227.41	1357.62	8.82	611.91
8	2	1021	-8.17	-71.33	-71.32	-8.18	0.79	155.67	-663.81	-631.66	123.52	-159.10
8	2	1022	-8.55	-74.04	-74.03	-8.57	-0.99	232.00	-1536.00	-1530.16	226.16	-101.43
8	2	1023	-13.68	-70.12	-64.68	-19.12	16.65	-326.87	-1707.40	-1449.40	-584.87	538.16
8	2	1024	-16.55	-51.12	-49.58	-18.09	7.14	-252.60	-674.57	-557.67	-369.49	188.84
8	2	1025	-21.89	-50.20	-49.90	-22.18	2.89	-262.80	-363.60	-272.41	-354.00	29.59
8	2	1026	-26.45	-50.85	-50.85	-26.45	-1.87e-03	39.84	-265.64	33.98	-259.79	-41.89
8	2	1027	-33.31	-53.24	-53.18	-33.36	-1.06	562.80	-86.05	555.41	-78.67	-68.84
8	2	1028	-53.28	-56.85	-55.10	-55.03	-1.78	1922.68	276.62	1922.64	276.66	-7.99
8	2	1029	-71.95	-100.91	-99.52	-73.33	6.19	4167.07	697.17	4166.39	697.86	-48.75
8	2	1030	-32.99	-97.78	-96.47	-34.31	9.14	2222.70	258.77	2220.67	260.81	63.21
8	2	1031	-27.81	-82.99	-82.86	-27.95	2.71	959.47	-106.16	885.02	-31.71	271.65
8	2	1032	-42.37	-64.20	-63.32	-43.25	-4.29	95.37	-472.78	-14.42	-362.98	224.33
8	2	1033	-40.74	-65.11	-40.89	-64.97	-1.87	-274.67	-921.94	-309.65	-886.96	146.35
8	2	1034	-32.12	-44.07	-34.37	-41.82	-4.68	758.94	-172.47	753.32	-166.86	-72.09
8	2	1035	-33.94	-44.56	-39.98	-38.51	-5.26	2359.87	92.89	2350.41	102.35	146.12
8	2	1036	-25.35	-63.85	-62.05	-27.15	-8.14	1619.75	-196.04	1615.00	-191.28	92.83
8	2	1037	-10.83	-77.38	-77.37	-10.84	0.73	252.40	-464.28	-454.37	242.49	-83.69
8	2	1038	-11.08	-78.14	-78.14	-11.08	2.16e-02	274.94	-1720.37	-1720.36	274.93	4.10
8	2	1039	-17.87	-68.13	-67.51	-18.49	5.55	-311.96	-1479.41	-1441.37	-350.01	207.28
8	2	1040	-14.29	-59.15	-58.57	-14.86	5.06	-301.44	-800.62	-770.18	-331.88	119.45
8	2	1041	-19.81	-54.96	-54.83	-19.94	2.12	-317.85	-367.88	-360.28	-325.46	17.96
8	2	1042	-25.12	-53.68	-53.67	-25.14	0.60	5.00	-249.51	2.37	-246.88	-25.75
8	2	1043	-33.31	-53.95	-53.93	-33.33	-0.69	560.25	-75.91	557.64	-73.30	-40.64
8	2	1044	-55.01	-56.36	-56.34	-55.03	-0.17	1945.14	283.78	1945.06	283.85	-11.39
8	2	1045	-15.01	-61.66	-15.06	-61.61	1.53	382.48	-902.41	380.13	-900.06	54.93
8	2	1048	-15.06	-49.59	-15.42	-49.22	-3.52	48.09	-359.85	47.94	-359.69	-7.97
8	2	1049	-76.60	-104.39	-98.73	-82.26	11.19	4106.32	381.58	4099.15	388.74	-163.18
8	2	1050	-22.00	-98.16	-98.16	-22.00	-0.60	2656.92	111.45	2653.79	114.58	89.12
8	2	1051	-19.16	-86.22	-84.00	-21.38	-12.00	1092.78	44.27	976.90	160.14	328.74
8	2	1052	-22.63	-87.47	-78.36	-31.74	-22.53	26.22	-346.70	-346.09	25.61	-15.07
8	2	1053	-32.11	-89.80	-50.00	-71.91	-26.68	-174.41	-1232.57	-522.15	-884.84	-497.03
8	2	1054	-32.70	-40.38	-33.78	-39.31	2.66	824.67	-160.45	819.49	-155.27	71.25
8	2	1055	-31.13	-44.34	-38.35	-37.11	6.58	2200.15	170.95	2185.10	186.00	-174.06
8	2	1056	-22.38	-68.35	-60.73	-30.00	17.10	1583.16	-185.71	1463.66	-66.20	-443.97
8	2	1057	-9.48	-75.37	-75.37	-9.48	8.80e-02	230.00	-579.16	-543.02	193.87	167.14
8	2	1058	-9.90	-76.27	-76.26	-9.91	0.94	253.23	-1620.95	-1620.01	252.29	41.87
8	2	1059	-15.01	-64.72	-61.32	-18.41	-12.55	-289.68	-1521.90	-1324.02	-487.55	-452.40
8	2	1060	-15.98	-52.45	-50.80	-17.63	-7.57	-209.71	-729.88	-599.43	-340.16	-225.48
8	2	1061	-21.25	-50.94	-50.57	-21.62	-3.29	-244.23	-363.48	-282.75	-324.95	-55.76
8	2	1062	-25.99	-51.14	-51.12	-26.00	-0.64	39.18	-238.28	37.28	-236.38	22.88
8	2	1063	-33.37	-52.59	-52.57	-33.40	0.71	571.58	-64.33	566.47	-59.23	56.74
8	2	1064	-52.96	-55.29	-55.06	-53.18	-0.68	1926.79	290.16	1926.74	290.22	9.79
8	2	1065	-42.90	-92.02	-67.12	-67.80	-24.55	-611.07	-2089.83	-1285.81	-1415.09	-736.55
8	2	1066	-18.87	-52.29	-52.24	-18.92	-1.32	262.67	-1320.23	-1305.14	247.57	153.84
8	2	1067	-18.19	-42.85	-42.12	-18.91	-4.17	219.72	-1101.70	-1100.37	218.38	42.04
8	2	1068	-29.07	-55.95	-39.30	-45.72	13.05	-24.44	-687.17	-70.41	-641.20	168.39
8	2	1069	-78.91	-96.12	-81.10	-93.94	5.73	3324.02	441.62	3310.61	455.03	-196.17

8	2	1070	-0.95	-68.12	-68.09	-0.98	1.25	3652.16	-157.59	3209.50	285.06	-1220.84
8	2	1071	-13.44	-82.13	-77.25	-18.32	-17.64	832.98	22.87	726.13	129.72	274.12
8	2	1072	-12.24	-71.47	-67.07	-16.64	-15.53	440.97	-157.42	-122.15	405.69	140.94
8	2	1073	-48.66	-151.25	-88.96	-110.95	-50.11	-491.36	-2378.89	-1128.34	-1741.90	-892.51
8	2	1074	-34.30	-66.74	-56.43	-44.62	-15.11	-687.96	-999.88	-937.92	-749.92	-124.45
8	2	1075	-19.93	-57.06	-52.88	-24.11	-11.74	229.52	-1633.97	-1619.27	214.82	164.88
8	2	1076	-24.73	-50.11	-49.88	-24.96	-2.43	158.99	-1013.11	-983.85	129.74	182.85
8	2	1077	-33.10	-44.50	-35.06	-42.54	4.29	314.22	-591.45	255.34	-532.57	223.29
8	2	1078	-31.01	-41.37	-33.49	-38.89	4.42	878.05	-258.81	821.25	-202.01	247.69
8	2	1079	-68.89	-93.39	-68.95	-93.34	-1.17	3252.74	863.92	3139.68	976.97	-507.23
8	2	1080	20.69	-41.60	-32.73	11.83	-21.76	785.83	-503.99	-164.77	446.61	-567.86
8	2	1083	-12.34	-141.88	-21.79	-132.43	-33.68	276.36	-1745.52	226.53	-1695.68	-313.49
8	2	1084	-29.10	-39.48	-32.00	-36.59	4.66	886.72	-337.46	750.15	-200.89	385.40
8	2	1085	-24.84	-36.07	-28.60	-32.31	5.30	1498.69	353.29	1498.49	353.48	14.84
8	2	1086	-15.25	-19.51	-19.45	-15.30	0.48	257.38	-117.79	-116.28	255.87	23.75
8	2	1089	-8.32	-21.71	-19.66	-10.37	4.82	336.91	-490.59	332.14	-485.81	62.66
8	2	1090	-21.04	-31.88	-27.32	-25.60	5.35	123.04	-597.42	120.63	-595.00	41.65
8	2	1091	-23.81	-37.66	-33.70	-27.77	6.26	87.23	-434.67	56.90	-404.34	122.10
8	2	1092	-25.55	-42.99	-39.21	-29.33	7.19	228.80	-316.80	170.28	-258.28	168.83
8	2	1093	-29.29	-48.35	-45.45	-32.19	6.85	588.96	-108.66	541.34	-61.05	175.93
8	2	1094	-47.15	-51.35	-51.32	-47.18	0.37	1745.58	268.84	1745.24	269.18	22.32
8	2	1095	-14.86	-68.29	-17.71	-65.44	-12.00	-344.15	-1330.04	-394.20	-1279.99	216.43
8	2	1096	-24.02	-50.74	-40.37	-34.39	-13.02	229.64	-1505.84	-1505.75	229.56	-12.14
8	2	1097	-26.66	-46.47	-46.46	-26.67	-0.44	146.90	-1125.15	-1123.65	145.39	-43.74
8	2	1098	-35.08	-57.81	-41.50	-51.40	-10.23	549.78	-379.59	460.21	-290.03	274.26
8	2	1099	-15.42	-60.08	-36.28	-39.22	-22.28	1728.72	967.56	1680.91	1015.37	184.67
8	2	1100	17.72	-56.65	-27.15	-11.78	-36.38	594.71	28.04	91.15	531.60	178.27
8	2	1103	-6.71	-119.38	-16.36	-109.73	-31.54	215.19	-471.00	210.53	-466.34	-56.38
8	2	1104	-29.27	-35.20	-30.57	-33.91	2.45	976.38	-407.37	462.25	106.77	668.65
8	2	1105	-18.86	-28.35	-28.28	-18.93	-0.81	1130.29	259.59	1044.29	345.60	259.78
8	2	1106	-5.33	-18.86	-18.76	-5.42	1.11	259.44	25.90	26.96	258.39	-15.65
8	2	1109	-14.48	-26.33	-15.76	-25.05	3.68	290.65	-457.40	273.80	-440.55	111.01
8	2	1110	-11.29	-45.26	-24.12	-32.43	16.47	378.12	-735.30	116.46	-473.64	472.10
8	2	1111	-11.13	-47.48	-28.84	-29.77	18.17	331.44	-591.17	58.69	-318.42	421.01
8	2	1112	-12.47	-48.45	-32.57	-28.34	17.87	376.61	-441.38	137.26	-202.03	372.15
8	2	1113	-15.83	-48.30	-37.23	-26.90	15.39	569.32	-194.39	419.85	-44.92	303.00
8	2	1114	-32.53	-43.41	-42.55	-33.39	2.93	1401.67	227.72	1400.90	228.50	30.11
8	2	1115	-8.88	-131.57	-11.80	-128.66	-18.68	382.40	-397.29	110.94	-125.83	-371.44
8	2	1118	-14.98	-67.95	-15.09	-67.83	2.45	443.27	-394.80	9.46	39.02	418.77
8	2	1119	41.69	-24.44	-13.65	30.90	-24.43	1261.85	214.35	887.03	589.17	502.13
8	2	1120	11.10	-74.35	-10.49	-52.76	-37.13	662.54	-259.25	-44.49	447.78	389.68
8	2	1123	-12.01	-80.88	-16.24	-76.65	-16.53	1942.31	-31.78	-26.98	1937.51	-97.26
8	2	1124	-19.49	-26.49	-25.87	-20.11	1.99	810.60	-265.23	102.43	442.94	510.26
8	2	1125	2.41	-34.46	-33.40	1.36	-6.14	871.64	197.21	776.02	292.83	235.25
8	2	1126	-5.75	-54.02	-49.16	-10.61	-14.52	442.61	-144.00	442.55	-143.95	-5.64
8	2	1127	-9.56	-43.46	-42.38	-10.64	-5.95	299.87	-250.54	-125.67	174.99	-230.52
8	2	1128	-13.18	-29.71	-29.69	-13.20	-0.54	166.12	-273.60	-262.52	155.04	-68.91
8	2	1129	-20.22	-69.39	-39.82	-49.79	24.08	26.54	-823.98	-728.94	-68.50	267.96
8	2	1130	-12.07	-52.12	-31.20	-33.00	20.00	454.72	-745.10	-370.44	80.06	556.02
8	2	1131	-8.05	-50.01	-28.48	-29.58	20.98	405.35	-578.78	-165.30	-8.12	485.75
8	2	1132	-5.56	-46.99	-27.07	-25.48	20.70	427.85	-450.07	-6.35	-15.87	438.93
8	2	1133	-4.21	-41.79	-25.70	-20.30	18.60	519.01	-254.12	236.91	27.98	372.18
8	2	1134	-10.04	-27.20	-25.68	-11.56	4.88	898.81	181.61	896.55	183.87	40.25
8	2	1135	-15.31	-151.51	-30.12	-136.70	-42.40	2661.69	214.29	319.09	2556.89	495.50
8	2	1136	26.93	-41.06	26.85	-40.98	-2.40	401.25	-268.53	374.77	-242.04	-130.52
8	2	1137	11.78	-34.21	11.76	-34.18	-1.07	484.22	-195.31	483.13	-194.22	-27.20
8	2	1138	-21.89	-79.71	-33.35	-68.26	23.04	1153.73	-285.33	-285.28	1153.68	8.59
8	2	1139	65.45	15.02	15.04	65.44	-0.89	589.82	-168.18	372.54	49.10	342.76
8	2	1140	-17.07	-95.29	-59.32	-53.05	-38.99	1635.32	56.09	1048.90	642.51	763.02
8	2	1141	10.80	-49.20	-27.30	-11.10	-28.89	250.83	-31.31	242.87	-23.35	-46.71
8	2	1142	29.03	-44.22	14.21	-29.40	-29.43	296.61	-343.05	231.71	-278.15	193.14
8	2	1143	23.15	-70.81	21.99	-69.65	-10.38	3272.74	69.17	243.99	3097.92	-727.66
8	2	1144	7.74	-115.28	-5.81	-101.73	-38.52	2310.31	-525.43	-6.43	1791.32	1096.53
8	2	1145	-7.58	-50.74	-7.91	-50.41	-3.74	814.71	328.79	811.71	331.79	38.06
8	2	1146	-10.44	-46.96	-15.80	-41.60	12.92	902.32	-28.30	566.35	307.66	-446.97
8	2	1147	-8.67	-60.26	-16.19	-52.74	18.20	1287.70	-422.24	-336.01	1201.47	-374.18
8	2	1148	-15.21	-20.53	-20.02	-15.71	1.56	718.48	-3.74	76.24	638.50	226.63
8	2	1149	52.41	17.68	22.11	47.97	11.59	359.37	-260.38	182.72	-83.74	279.77
8	2	1150	13.74	-25.08	6.02	-17.36	-15.49	1029.03	-178.96	499.74	350.33	599.36
8	2	1151	34.00	-59.73	-10.23	-15.50	-46.79	771.47	147.73	522.41	396.80	305.48
8	2	1152	25.12	-61.65	-2.53	-34.01	-40.43	646.60	503.24	646.59	503.25	1.26
8	2	1153	-6.92	-67.71	-7.49	-67.14	-5.87	2587.18	-183.56	33.36	2370.27	-744.28
8	2	1154	-9.23	-105.18	-16.55	-97.86	-25.47	2592.20	114.89	268.31	2438.78	597.11
8	2	1155	-28.76	-64.09	-30.60	-62.25	-7.86	1440.80	717.41	723.76	1434.45	67.47
8	2	1156	-18.78	-59.25	-25.43	-52.60	15.00	1492.76	225.34	509.15	1208.95	-528.35
8	2	1157	-5.96	-51.68	-13.70	-43.94	17.14	1375.21	-154.11	8.96	1212.14	-472.01
8	2	1158	-9.72	-11.82	-10.98	-10.56	1.03	670.57	123.24	123.27	670.54	-3.73
8	2	1159	16.32	-16.70	-15.75	15.37	-5.53	483.30	222.62	482.16	223.76	-17.18
8	2	1160	1.44	-21.27	-18.27	-1.56	-7.69	574.00	-132.64	338.55	102.81	-333.08

8	2	1161	-11.72	-34.67	-26.57	-19.82	-10.97	597.76	-204.45	40.32	352.99	-369.38
8	2	1162	-28.60	-36.86	-33.98	-31.48	3.94	539.85	-186.12	-140.52	494.25	-176.13
8	2	1163	-19.01	-48.26	-26.34	-40.94	12.67	528.74	-169.88	-168.78	527.63	27.77
8	2	1164	-16.00	-46.43	-23.96	-38.47	13.37	518.68	-227.64	-179.42	470.45	183.48
8	2	1165	-11.24	-41.74	-21.20	-31.78	14.30	516.84	-208.36	-84.21	392.69	273.17
8	2	1166	-5.55	-35.75	-17.23	-24.06	14.71	499.09	-183.26	10.78	305.06	307.81
8	2	1167	-0.37	-25.16	-12.05	-13.48	12.37	486.85	-142.55	140.34	203.95	313.09
8	2	1168	5.96	-4.41	-3.68	5.23	2.66	369.73	153.69	352.72	170.70	58.18
8	2	1169	57.06	17.20	42.48	31.77	19.20	-139.21	-179.20	-139.27	-179.14	1.51
8	2	1170	81.10	17.22	79.35	18.96	-10.41	370.39	36.84	231.58	175.65	164.41
8	2	1171	46.61	-27.44	35.42	-16.25	-26.52	1026.17	534.47	577.28	983.35	138.63
8	2	1172	-15.32	-60.06	-30.78	-44.60	-21.28	1990.17	759.03	759.31	1989.89	18.39
8	2	1173	-53.29	-79.75	-56.04	-77.00	-8.07	2977.17	462.51	462.80	2976.89	-26.94
8	2	1174	-54.34	-92.35	-57.64	-89.06	-10.69	3422.22	556.96	557.19	3422.00	25.30
8	2	1175	-63.88	-82.96	-70.24	-76.60	-8.99	3111.87	909.21	909.46	3111.63	-23.24
8	2	1176	-51.33	-61.26	-51.50	-61.10	1.26	2563.83	695.83	706.08	2553.59	-137.96
8	2	1177	-12.63	-38.04	-12.76	-37.91	1.84	1789.28	276.16	290.26	1775.18	-145.40
8	2	1178	16.00	-2.19	15.57	-1.76	-2.76	819.77	162.11	171.03	810.85	-76.08
8	2	1179	22.28	8.49	17.75	13.01	-6.47	329.38	161.33	317.39	173.32	-43.26
8	2	1180	11.52	0.78	11.52	0.78	-0.10	322.90	237.84	289.69	271.05	-41.49
8	2	1181	-17.74	-24.98	-19.13	-23.59	2.85	741.84	156.70	159.09	739.46	-37.28
8	2	1182	-32.70	-46.67	-40.94	-38.43	6.87	1115.24	69.23	69.72	1114.75	-22.64
8	2	1183	-32.46	-48.59	-38.97	-42.08	7.92	1198.52	35.64	35.64	1198.51	-1.54
8	2	1184	-27.72	-39.91	-30.41	-37.22	5.06	1078.46	48.43	48.88	1078.01	21.60
8	2	1185	-19.25	-32.45	-20.73	-30.97	4.17	926.41	80.45	81.27	925.59	26.32
8	2	1186	-10.21	-24.57	-11.47	-23.32	4.06	741.26	114.62	116.15	739.73	30.98
8	2	1187	4.56	-10.06	3.68	-9.17	3.49	432.00	165.45	172.15	425.30	41.73
8	2	1188	18.12	-2.12	10.76	5.25	-9.74	189.08	117.53	187.52	119.09	10.46
8	6	920	27.03	8.39	19.44	15.99	-9.16	34.33	14.28	23.47	25.14	9.99
8	6	921	31.63	8.27	29.40	10.49	6.86	384.71	175.97	178.84	381.84	-24.32
8	6	922	17.88	-20.57	15.35	-18.04	9.53	1186.76	295.83	298.09	1184.50	-44.78
8	6	923	-6.10	-48.00	-8.37	-45.73	9.47	2062.56	358.70	360.46	2060.80	-54.79
8	6	924	-22.69	-70.60	-25.61	-67.69	11.45	2741.10	268.99	274.30	2735.79	-114.46
8	6	925	-28.76	-77.25	-39.19	-66.82	19.92	2807.87	483.99	526.97	2764.90	-313.07
8	6	926	-46.43	-72.95	-61.99	-57.39	13.06	2373.33	823.56	838.03	2358.86	-149.06
8	6	927	-38.11	-52.16	-42.57	-47.69	-6.54	2013.88	556.78	618.16	1952.51	292.68
8	6	928	-0.50	-30.34	-0.91	-29.93	-3.50	1551.94	183.45	237.26	1498.13	265.97
8	6	929	16.97	-3.77	16.51	-3.30	3.06	724.43	140.37	148.30	716.50	67.58
8	6	930	21.26	9.50	19.28	11.47	4.39	347.17	168.37	334.87	180.67	45.25
8	6	931	14.21	0.19	14.11	0.29	-1.20	347.29	190.74	274.94	263.09	78.05
8	6	932	-7.71	-20.54	-9.19	-19.06	-4.10	640.35	122.26	132.06	630.54	70.59
8	6	933	-21.59	-36.53	-26.32	-31.80	-6.95	942.60	31.66	33.45	940.82	40.26
8	6	934	-22.63	-39.33	-27.41	-34.56	-7.55	1007.99	9.45	9.55	1007.89	-10.03
8	6	935	-18.96	-33.81	-22.14	-30.62	-6.09	911.88	12.66	14.59	909.95	-41.62
8	6	936	-13.74	-28.56	-16.25	-26.06	-5.55	795.06	31.89	36.04	790.90	-56.14
8	6	937	-7.14	-22.12	-9.17	-20.09	-5.13	648.26	55.21	63.05	640.43	-67.71
8	6	938	2.35	-10.56	1.08	-9.29	-3.84	415.61	101.85	126.51	390.96	-84.42
8	6	939	12.60	-2.39	6.17	4.04	7.42	173.04	118.93	152.03	139.94	-26.37
8	6	940	19.26	9.95	10.74	18.47	2.60	428.92	167.72	424.00	172.64	-35.51
8	6	941	10.54	-13.69	-0.30	-2.85	12.05	464.79	123.85	306.11	282.54	170.06
8	6	942	9.46	-37.79	-7.40	-20.92	22.64	710.64	44.49	191.83	563.30	276.48
8	6	943	-1.35	-57.31	-14.48	-44.18	23.72	1045.45	26.28	102.92	968.81	268.77
8	6	944	-14.67	-70.78	-22.24	-63.21	19.17	1521.75	-123.34	-87.29	1485.70	240.84
8	6	945	-7.03	-15.74	-14.63	-8.13	-2.90	673.62	-31.78	121.91	519.94	-291.18
8	6	946	8.54	-17.70	-17.61	8.45	1.57	682.51	209.31	674.42	217.40	-61.34
8	6	947	-0.31	-19.33	-17.72	-1.92	5.29	631.34	-213.45	379.55	38.34	386.41
8	6	948	-9.00	-25.77	-20.09	-14.67	7.94	557.39	-370.41	-28.10	215.08	447.68
8	6	949	-20.41	-27.08	-23.50	-24.00	-3.32	337.67	-348.05	-290.77	280.39	189.72
8	6	950	-11.97	-38.29	-18.10	-32.16	-11.12	264.25	-313.28	-301.97	252.93	-80.03
8	6	951	-10.48	-38.44	-18.01	-30.90	-12.40	301.24	-401.18	-299.27	199.32	-247.39
8	6	952	-7.50	-35.93	-17.09	-26.34	-13.44	360.68	-399.97	-193.09	153.80	-338.47
8	6	953	-4.42	-32.60	-15.74	-21.28	-13.82	405.12	-374.41	-82.69	113.40	-377.24
8	6	954	-1.88	-26.26	-13.42	-14.73	-12.17	470.30	-306.93	76.15	87.22	-388.58
8	6	955	0.63	-9.18	-8.08	-0.47	-3.10	436.65	122.24	414.40	144.49	-80.62
8	6	956	-13.60	-105.78	-28.77	-90.61	34.17	1792.62	-356.76	-215.47	1651.32	-532.66
8	6	957	6.07	-29.84	6.06	-29.83	0.46	553.23	-162.04	535.96	-144.77	-109.80
8	6	958	0.92	-28.39	-1.46	-26.00	-8.02	516.09	-173.17	440.85	-97.93	214.94
8	6	959	-13.96	-69.15	-27.37	-55.74	-23.67	1024.48	-322.92	-300.62	1002.18	171.91
8	6	960	2.34	-20.22	-19.28	1.41	4.49	1306.22	319.14	1302.97	322.39	-56.51
8	6	961	3.58	-37.72	-21.02	-13.12	20.27	748.63	74.79	620.63	202.80	264.33
8	6	962	1.77	-51.28	-23.63	-25.88	26.50	675.27	-286.37	200.02	188.89	480.79
8	6	963	-4.10	-62.58	-23.80	-42.88	27.64	675.12	-444.93	-45.59	275.77	536.48
8	6	964	-10.89	-77.73	-23.84	-64.78	26.43	862.96	-507.11	-69.64	425.49	638.74
8	6	965	-14.30	-29.63	-22.59	-21.34	-7.64	948.11	-353.56	323.95	270.59	-650.29
8	6	966	-5.51	-25.21	-25.17	-5.54	0.84	1145.54	122.09	1036.77	230.87	-315.43
8	6	967	-7.10	-38.90	-36.12	-9.88	8.98	581.22	-214.79	580.08	-213.65	-30.15
8	6	968	-8.15	-33.92	-33.49	-8.58	3.32	299.43	-316.88	-195.24	177.79	245.30
8	6	969	-10.00	-25.15	-25.15	-10.00	-4.04e-02	191.33	-421.91	-410.70	180.12	82.15
8	6	970	-16.40	-54.79	-32.92	-38.28	-19.01	-93.05	-1021.28	-850.64	-263.69	-359.55

8	6	971	-10.03	-42.04	-26.06	-26.01	-16.00	324.92	-850.85	-446.53	-79.40	-558.50
8	6	972	-7.80	-40.96	-24.32	-24.43	-16.58	288.22	-676.59	-248.45	-139.92	-479.34
8	6	973	-6.73	-39.33	-23.75	-22.31	-16.28	325.80	-538.17	-90.30	-122.06	-431.69
8	6	974	-6.97	-36.40	-23.78	-19.59	-14.57	450.82	-335.84	163.37	-48.39	-378.81
8	6	975	-16.31	-26.49	-25.12	-17.67	-3.47	880.27	130.95	875.57	135.64	-59.14
8	6	976	-7.94	-88.25	-9.18	-87.00	9.92	669.49	-95.68	193.72	380.09	371.07
8	6	979	-9.03	-57.83	-10.80	-56.05	-9.15	508.29	-244.74	58.74	204.80	-369.36
8	6	980	-24.64	-47.63	-47.04	-25.23	3.63	2245.59	450.46	2243.98	452.07	-53.74
8	6	981	-10.31	-55.92	-44.57	-21.66	19.72	1103.48	101.16	1033.85	170.79	254.85
8	6	982	-9.40	-58.52	-39.60	-28.31	23.90	643.69	-386.59	298.17	-41.08	486.41
8	6	983	-13.12	-60.46	-32.27	-41.31	23.23	393.73	-711.06	-107.23	-210.09	550.00
8	6	984	-14.78	-63.79	-22.66	-55.91	18.00	174.75	-815.54	-221.73	-419.06	485.21
8	6	985	-18.13	-32.37	-20.72	-29.78	-5.50	945.22	-396.56	647.91	-99.26	-557.25
8	6	986	-18.38	-23.01	-20.26	-21.13	-2.27	1308.37	252.58	1232.11	328.84	-273.30
8	6	987	-10.11	-15.16	-14.54	-10.73	-1.66	264.27	-15.21	-15.17	264.24	-3.25
8	6	990	-12.02	-19.43	-12.98	-18.48	-2.49	275.46	-489.68	270.15	-484.38	-63.48
8	6	991	-10.38	-35.63	-19.81	-26.21	-12.21	272.28	-753.06	65.33	-546.12	-411.54
8	6	992	-11.42	-37.79	-24.11	-25.10	-13.17	206.57	-612.41	-25.43	-380.42	-369.02
8	6	993	-13.30	-39.06	-27.57	-24.79	-12.80	252.75	-476.76	33.94	-257.95	-334.29
8	6	994	-17.00	-39.67	-31.66	-25.01	-10.84	453.40	-250.65	299.05	-96.31	-291.28
8	6	995	-32.08	-37.16	-35.94	-33.30	-2.17	1246.98	170.49	1245.05	172.42	-45.54
8	6	996	-18.24	-49.39	-18.44	-49.19	-2.51	-297.84	-849.52	-562.97	-584.39	-275.64
8	6	997	-20.36	-33.09	-28.87	-24.58	6.00	179.37	-1676.84	-1670.70	173.23	-106.60
8	6	998	-20.34	-32.05	-29.38	-23.01	-4.91	146.86	-1263.78	-1255.50	138.59	-107.71
8	6	999	-19.03	-37.09	-19.41	-36.71	2.60	528.55	-324.30	398.29	-194.04	-306.80
8	6	1000	-46.52	-67.15	-66.63	-47.05	3.25	2981.47	544.06	2980.94	544.58	-35.74
8	6	1001	-23.39	-68.40	-63.39	-28.40	14.16	1433.29	134.34	1402.27	165.36	198.31
8	6	1002	-21.31	-60.95	-54.27	-27.99	14.84	608.60	-344.29	412.36	-148.05	385.34
8	6	1003	-27.72	-51.98	-41.47	-38.23	12.02	122.75	-733.50	-169.79	-440.96	406.09
8	6	1004	-27.40	-48.65	-30.27	-45.77	7.27	-274.96	-885.53	-531.88	-628.61	301.43
8	6	1005	-22.60	-32.33	-24.19	-30.74	-3.60	899.02	-197.00	851.46	-149.44	-223.30
8	6	1006	-17.56	-34.19	-21.15	-30.60	-6.84	1644.72	404.37	1639.61	409.48	79.47
8	6	1007	-16.35	-19.84	-17.14	-19.05	-1.46	174.44	-15.18	-1.83	161.08	48.52
8	6	1010	-8.17	-16.75	-15.73	-9.20	-2.78	304.35	-465.40	301.16	-462.20	-49.48
8	6	1011	-20.94	-24.54	-23.66	-21.82	-1.55	-25.72	-627.49	-29.64	-623.56	48.45
8	6	1012	-22.02	-30.14	-28.92	-23.24	-2.90	-77.47	-444.79	-92.39	-429.87	-72.51
8	6	1013	-23.18	-34.83	-33.10	-24.92	-4.15	69.14	-346.94	18.22	-296.01	-136.36
8	6	1014	-26.39	-39.37	-37.42	-28.34	-4.64	418.23	-162.59	367.26	-111.62	-164.34
8	6	1015	-41.27	-42.77	-41.69	-42.35	-0.67	1485.61	196.84	1484.82	197.63	-31.79
8	6	1016	-26.06	-57.17	-36.86	-46.37	14.81	-461.30	-1606.85	-1259.88	-808.26	526.39
8	6	1017	-16.55	-34.60	-34.57	-16.58	-0.63	276.18	-1581.43	-1559.12	253.86	-202.38
8	6	1018	-15.61	-33.83	-33.81	-15.62	-0.55	270.41	-1113.76	-1088.88	245.52	-183.93
8	6	1019	-22.68	-49.71	-33.92	-38.47	-13.32	-15.15	-839.01	-167.30	-686.85	-319.69
8	6	1020	-19.53	-51.33	-43.24	-27.62	-13.85	1648.36	-232.83	1406.23	9.30	629.97
8	6	1021	-6.76	-54.84	-54.83	-6.77	0.64	154.17	-590.84	-553.42	116.75	-162.72
8	6	1022	-7.08	-57.10	-57.08	-7.10	-0.87	230.20	-1501.60	-1494.69	223.28	-109.22
8	6	1023	-11.70	-54.33	-49.97	-16.06	12.92	-328.12	-1798.59	-1529.67	-597.04	568.44
8	6	1024	-14.63	-39.67	-38.47	-15.83	5.33	-258.87	-755.22	-631.43	-382.66	214.75
8	6	1025	-18.98	-39.00	-38.79	-19.19	2.06	-332.12	-416.39	-367.84	-380.67	41.65
8	6	1026	-22.64	-39.62	-39.61	-22.64	-0.17	-86.74	-303.72	-93.53	-296.94	-37.77
8	6	1027	-28.09	-41.62	-41.55	-28.16	-0.97	375.10	-138.15	364.42	-127.47	-73.28
8	6	1028	-42.46	-46.12	-43.16	-45.43	-1.43	1579.24	198.78	1579.12	198.90	-12.82
8	6	1029	-59.28	-79.09	-77.83	-60.54	4.83	3382.41	524.08	3382.34	524.16	-14.51
8	6	1030	-28.40	-76.94	-75.76	-29.58	7.47	1684.83	126.32	1671.75	139.40	142.19
8	6	1031	-23.65	-65.57	-65.45	-23.77	2.25	616.30	-244.80	500.42	-128.91	293.87
8	6	1032	-34.51	-51.02	-50.23	-35.30	-3.53	-140.70	-581.91	-283.41	-439.19	206.40
8	6	1033	-32.43	-52.30	-32.57	-52.17	-1.62	-426.82	-1001.47	-454.47	-973.82	122.98
8	6	1034	-25.75	-36.28	-27.02	-35.02	-3.43	819.55	-159.57	814.48	-154.50	-70.31
8	6	1035	-28.03	-36.20	-30.55	-33.68	-3.77	2399.15	87.21	2389.86	96.50	146.29
8	6	1036	-21.36	-49.29	-47.72	-22.93	-6.44	1685.72	-197.26	1680.49	-192.03	99.02
8	6	1037	-8.77	-59.72	-59.71	-8.78	0.63	244.32	-380.93	-369.99	233.38	-81.97
8	6	1038	-9.03	-60.35	-60.35	-9.03	-0.11	266.51	-1694.87	-1694.87	266.51	0.34
8	6	1039	-14.85	-52.72	-52.22	-15.35	4.34	-314.06	-1553.01	-1516.15	-350.92	210.50
8	6	1040	-12.90	-45.74	-45.30	-13.35	3.79	-304.29	-893.88	-860.97	-337.21	135.36
8	6	1041	-17.37	-42.64	-42.55	-17.46	1.54	-343.47	-468.89	-463.68	-348.68	25.02
8	6	1042	-21.62	-41.76	-41.76	-21.63	0.36	-126.32	-286.51	-129.86	-282.96	-23.56
8	6	1043	-28.11	-42.14	-42.11	-28.14	-0.61	367.07	-126.26	363.18	-122.37	-43.64
8	6	1044	-44.07	-45.47	-44.11	-45.43	-0.23	1597.72	204.90	1597.57	205.05	-14.40
8	6	1045	-12.03	-49.41	-12.07	-49.37	1.20	443.86	-962.87	441.81	-960.83	53.61
8	6	1048	-12.11	-40.54	-12.37	-40.28	-2.72	26.01	-341.64	25.98	-341.61	-3.45
8	6	1049	-63.28	-83.10	-77.86	-68.52	8.75	3369.58	223.51	3363.59	229.49	-137.05
8	6	1050	-19.98	-77.38	-77.38	-19.98	0.22	2080.61	-17.46	2066.58	-3.43	170.99
8	6	1051	-16.43	-68.22	-66.53	-18.13	-9.22	725.63	-87.04	522.86	115.73	351.67
8	6	1052	-18.70	-69.39	-62.06	-26.02	-17.82	-7.03	-657.08	-653.96	-10.14	-44.88
8	6	1053	-25.65	-71.77	-39.70	-57.72	-21.23	-240.51	-1431.66	-713.89	-958.28	-582.90
8	6	1054	-26.16	-33.45	-26.64	-32.97	1.81	889.09	-150.88	885.78	-147.57	58.61
8	6	1055	-25.94	-35.80	-29.42	-32.33	4.71	2240.71	164.25	2224.91	180.05	-180.44
8	6	1056	-19.00	-53.26	-46.77	-25.48	13.42	1646.38	-191.58	1523.36	-68.56	-459.31
8	6	1057	-7.76	-57.99	-57.99	-7.76	-4.71e-02	226.04	-503.69	-462.52	184.88	168.35

8	6	1058	-8.10	-58.83	-58.81	-8.12	0.84	246.78	-1590.67	-1589.26	245.38	50.80
8	6	1059	-12.77	-50.23	-47.45	-15.56	-9.82	-294.43	-1601.28	-1397.07	-498.63	-474.51
8	6	1060	-14.17	-40.70	-39.41	-15.46	-5.71	-214.25	-817.02	-677.46	-353.81	-254.25
8	6	1061	-18.48	-39.57	-39.29	-18.75	-2.39	-294.85	-438.27	-380.51	-352.61	-70.34
8	6	1062	-22.29	-39.81	-39.80	-22.30	-0.35	-90.30	-276.46	-91.78	-274.98	16.52
8	6	1063	-28.15	-41.08	-41.04	-28.19	0.67	381.55	-116.89	374.37	-109.72	59.37
8	6	1064	-42.84	-44.13	-43.13	-43.84	-0.54	1583.19	210.86	1583.04	211.02	14.51
8	6	1065	-34.34	-73.32	-53.36	-54.30	-19.48	-674.20	-2371.14	-1530.83	-1514.50	-848.43
8	6	1066	-15.09	-41.90	-41.87	-15.12	-0.96	277.90	-1381.72	-1362.55	258.73	177.33
8	6	1067	-14.53	-34.43	-33.86	-15.10	-3.31	215.55	-1078.88	-1076.86	213.53	51.14
8	6	1068	-23.46	-45.10	-31.38	-37.18	10.43	37.79	-657.03	10.53	-629.77	134.90
8	6	1069	-62.96	-78.91	-64.29	-77.57	4.42	2765.82	284.67	2748.51	301.98	-206.52
8	6	1070	-4.20	-54.54	-54.48	-4.27	1.81	2864.83	-251.45	2540.95	72.43	-951.00
8	6	1071	-11.44	-64.59	-60.67	-15.36	-13.89	500.04	-5.20	330.42	164.42	238.59
8	6	1072	-10.46	-56.36	-52.89	-13.93	-12.13	453.20	-422.27	-395.47	426.40	150.81
8	6	1073	-38.96	-120.46	-70.59	-88.83	-39.71	-598.25	-2713.68	-1418.79	-1893.15	-1030.78
8	6	1074	-27.71	-53.12	-45.06	-35.77	-11.83	-737.39	-1162.80	-1105.73	-794.47	-144.99
8	6	1075	-16.01	-45.56	-42.36	-19.21	-9.18	228.33	-1707.76	-1693.01	213.58	168.31
8	6	1076	-19.69	-40.18	-39.98	-19.89	-1.99	156.63	-968.26	-937.68	126.05	182.91
8	6	1077	-26.58	-35.95	-27.92	-34.61	3.28	382.21	-590.66	331.86	-540.31	215.52
8	6	1078	-25.23	-33.71	-26.54	-32.40	3.06	941.37	-252.68	894.03	-205.34	233.00
8	6	1079	-54.93	-76.87	-54.95	-76.85	-0.60	2703.33	606.78	2596.27	713.84	-461.51
8	6	1080	12.03	-33.45	-26.18	4.76	-16.67	624.75	-493.14	-137.99	269.59	-520.47
8	6	1083	-10.17	-113.51	-17.56	-106.12	-26.62	295.31	-1866.07	240.51	-1811.27	-339.78
8	6	1084	-23.81	-32.00	-25.43	-30.38	3.27	943.66	-331.56	823.95	-211.85	371.92
8	6	1085	-20.44	-29.61	-22.38	-27.67	3.75	1550.49	344.55	1550.37	344.68	12.27
8	6	1086	-14.47	-15.41	-14.91	-14.97	0.47	244.84	-132.18	-130.15	242.81	27.58
8	6	1089	-7.88	-17.32	-15.32	-9.88	3.86	344.94	-524.71	340.20	-519.97	64.04
8	6	1090	-17.24	-25.95	-21.38	-21.81	4.35	89.92	-640.92	89.08	-640.08	24.78
8	6	1091	-19.66	-30.28	-26.37	-23.57	5.12	15.39	-473.83	-10.80	-447.65	110.11
8	6	1092	-21.23	-34.34	-30.70	-24.87	5.87	128.01	-367.16	65.18	-304.33	164.81
8	6	1093	-24.41	-38.40	-35.62	-27.19	5.58	437.51	-176.39	373.49	-112.37	187.63
8	6	1094	-38.80	-40.42	-40.31	-38.91	0.40	1437.63	192.99	1436.64	193.98	35.10
8	6	1095	-12.46	-54.52	-14.58	-52.41	-9.19	-486.72	-1562.54	-572.91	-1476.35	292.06
8	6	1096	-19.13	-40.39	-32.29	-27.23	-10.32	246.60	-1561.26	-1560.62	245.95	-34.19
8	6	1097	-21.07	-36.95	-36.94	-21.08	-0.37	148.07	-1088.67	-1086.98	146.37	-45.69
8	6	1098	-27.93	-46.74	-33.14	-41.54	-8.42	604.37	-404.06	518.48	-318.18	281.49
8	6	1099	-14.29	-49.53	-29.25	-34.57	-17.42	1438.33	775.46	1432.39	781.40	62.45
8	6	1100	11.01	-46.31	-21.79	-13.51	-28.36	401.13	83.63	91.47	393.29	49.28
8	6	1103	-5.90	-95.88	-13.31	-88.47	-24.73	201.20	-834.43	201.06	-834.29	-11.89
8	6	1104	-23.59	-28.40	-24.02	-27.96	1.38	989.65	-425.59	526.03	38.02	664.22
8	6	1105	-16.56	-21.78	-21.75	-16.60	-0.45	1202.31	224.39	1114.28	312.43	279.90
8	6	1106	-6.68	-14.55	-14.40	-6.84	1.08	229.59	11.07	11.07	229.59	-1.03
8	6	1109	-11.26	-22.33	-12.19	-21.40	3.06	292.68	-496.14	279.33	-482.79	101.74
8	6	1110	-9.24	-37.10	-19.00	-27.33	13.29	343.15	-783.92	89.78	-530.54	470.50
8	6	1111	-9.36	-38.61	-22.81	-25.16	14.58	279.77	-644.33	5.73	-370.28	422.07
8	6	1112	-10.60	-39.24	-25.78	-24.05	14.30	310.44	-507.50	55.76	-252.82	378.75
8	6	1113	-13.50	-38.94	-29.45	-22.99	12.30	477.26	-283.21	289.82	-95.77	327.73
8	6	1114	-27.08	-34.62	-33.65	-28.06	2.53	1162.75	158.49	1160.12	161.11	51.28
8	6	1115	-7.20	-104.48	-9.48	-102.20	-14.72	267.96	-642.55	145.51	-520.10	-310.65
8	6	1118	-11.83	-54.61	-11.91	-54.54	1.78	371.43	-405.78	6.25	-40.60	387.90
8	6	1119	28.87	-21.99	-12.47	19.35	-19.84	928.96	275.24	768.31	435.89	281.44
8	6	1120	7.21	-61.61	-9.02	-45.39	-29.21	391.66	-108.01	-12.68	296.33	196.34
8	6	1123	-9.97	-65.30	-13.21	-62.06	-13.00	1380.40	-7.11	-6.13	1379.42	-36.97
8	6	1124	-16.95	-19.48	-19.19	-17.24	0.81	805.35	-299.83	183.37	322.15	548.22
8	6	1125	-0.17	-25.16	-24.37	-0.96	-4.38	977.04	124.94	870.95	231.03	281.32
8	6	1126	-5.36	-39.29	-35.81	-8.84	-10.29	500.08	-196.53	500.03	-196.49	5.58
8	6	1127	-7.99	-31.92	-31.16	-8.75	-4.19	307.29	-259.68	-129.49	177.10	-238.46
8	6	1128	-10.66	-22.22	-22.22	-10.66	-0.14	177.03	-308.35	-295.31	163.98	-78.49
8	6	1129	-16.06	-56.66	-31.73	-40.99	19.77	-21.66	-908.52	-784.52	-145.67	307.56
8	6	1130	-10.00	-42.47	-25.00	-27.47	16.19	414.73	-812.37	-412.65	15.02	575.08
8	6	1131	-6.97	-40.77	-22.91	-24.82	16.87	366.57	-650.69	-215.46	-68.67	503.31
8	6	1132	-5.19	-38.33	-21.86	-21.66	16.57	389.37	-529.24	-69.01	-70.86	459.30
8	6	1133	-4.38	-34.17	-20.83	-17.72	14.81	484.19	-353.86	151.63	-21.30	410.01
8	6	1134	-9.61	-22.25	-20.78	-11.08	4.06	761.82	123.38	754.50	130.70	67.95
8	6	1135	-12.59	-120.33	-24.48	-108.43	-33.76	2095.59	115.94	203.02	2008.50	405.97
8	6	1136	20.97	-32.39	20.89	-32.31	-2.04	262.20	-195.78	242.58	-176.15	-92.75
8	6	1137	9.86	-27.11	9.83	-27.08	-1.11	366.07	-96.70	364.66	-95.30	-25.45
8	6	1138	-16.58	-61.89	-24.59	-53.89	17.28	740.37	-398.81	-377.86	719.42	153.06
8	6	1139	46.55	9.45	9.48	46.52	-1.02	472.11	-9.76	373.38	88.96	194.49
8	6	1140	-15.42	-79.29	-49.51	-45.20	-31.86	918.39	38.10	625.01	331.47	414.95
8	6	1141	7.21	-40.00	-23.17	-9.62	-22.61	191.18	23.26	179.24	35.20	-43.15
8	6	1142	21.57	-35.71	9.73	-23.87	-23.19	190.18	-248.10	142.40	-200.32	136.59
8	6	1143	17.32	-56.91	16.45	-56.04	-7.99	2642.16	-54.10	63.62	2524.44	-550.95
8	6	1144	6.08	-91.54	-4.85	-80.61	-30.78	1895.90	-540.17	-96.29	1452.02	940.37
8	6	1145	-5.54	-40.00	-5.89	-39.65	-3.45	631.63	236.12	589.99	277.75	121.38
8	6	1146	-7.65	-36.17	-11.11	-32.71	9.32	537.00	103.83	378.50	262.33	-208.65
8	6	1147	-5.85	-46.96	-10.98	-41.83	13.59	845.43	-302.51	-288.18	831.10	-127.47
8	6	1148	-13.46	-14.17	-13.75	-13.88	0.35	680.41	-62.67	136.41	481.33	329.09

8	6	1149	36.38	10.69	14.32	32.75	8.95	277.95	-108.77	189.54	-20.36	162.40
8	6	1150	8.54	-23.50	1.64	-16.60	-13.17	556.23	13.30	358.42	211.12	261.28
8	6	1151	25.21	-49.16	-10.64	-13.31	-37.16	424.09	294.02	354.17	363.94	64.85
8	6	1152	18.64	-49.86	-3.67	-27.55	-32.10	578.82	321.57	465.29	435.10	-127.74
8	6	1153	-6.04	-54.27	-6.55	-53.76	-4.93	2155.43	-284.12	-88.02	1959.33	-663.28
8	6	1154	-6.77	-83.55	-12.82	-77.49	-20.69	2138.74	-8.04	141.62	1989.08	546.70
8	6	1155	-21.30	-50.69	-23.12	-48.88	-7.07	1207.12	495.69	536.98	1165.83	166.34
8	6	1156	-14.12	-45.49	-18.31	-41.29	10.68	1059.36	273.10	367.23	965.23	-255.25
8	6	1157	-3.60	-40.00	-8.64	-34.97	12.57	961.20	-40.48	-0.96	921.68	-195.01
8	6	1158	-6.20	-9.87	-6.21	-9.87	-0.13	582.71	104.12	155.92	530.91	148.69
8	6	1159	11.36	-10.37	-9.48	10.47	-4.31	542.27	186.70	535.34	193.63	49.14
8	6	1160	0.21	-13.54	-11.62	-1.70	-4.76	583.38	-153.43	354.98	74.97	-340.76
8	6	1161	-9.93	-24.45	-18.67	-15.71	-7.10	588.50	-254.84	30.51	303.15	-399.03
8	6	1162	-20.79	-30.17	-25.71	-25.25	4.68	465.40	-234.40	-180.48	411.48	-186.62
8	6	1163	-13.90	-39.96	-20.64	-33.22	11.41	427.56	-216.61	-213.22	424.16	46.63
8	6	1164	-12.33	-38.48	-19.33	-31.48	11.58	438.40	-294.89	-226.57	370.08	213.14
8	6	1165	-9.06	-34.69	-17.53	-26.22	12.05	463.98	-291.69	-132.69	304.98	308.01
8	6	1166	-4.97	-29.91	-14.66	-20.22	12.16	471.39	-276.11	-39.20	234.48	347.80
8	6	1167	-1.42	-21.51	-10.82	-12.11	10.02	489.12	-242.41	89.51	157.21	364.20
8	6	1168	2.67	-4.95	-4.27	1.99	2.17	347.24	120.53	310.61	157.16	83.44
8	6	1169	39.59	9.70	28.87	20.42	14.33	-41.68	-84.79	-42.11	-84.37	-4.25
8	6	1170	60.15	10.57	58.36	12.36	-9.25	289.32	130.13	204.92	214.53	79.45
8	6	1171	34.66	-24.29	24.67	-14.30	-22.12	889.59	420.27	428.78	881.08	62.63
8	6	1172	-12.51	-49.24	-25.88	-35.87	-17.67	1698.64	568.26	568.69	1698.20	-22.26
8	6	1173	-41.88	-64.22	-44.76	-61.34	-7.49	2492.50	296.05	296.75	2491.80	-39.28
8	6	1174	-41.08	-73.70	-44.39	-70.39	-9.86	2831.46	387.27	387.63	2831.10	29.80
8	6	1175	-47.16	-65.79	-52.86	-60.10	-8.58	2556.01	700.92	700.93	2555.99	5.05
8	6	1176	-37.71	-48.03	-37.73	-48.02	-0.36	2095.94	543.67	547.56	2092.06	-77.60
8	6	1177	-6.99	-30.32	-6.99	-30.32	0.19	1468.21	235.53	240.58	1463.16	-78.74
8	6	1178	16.30	-3.74	15.79	-3.22	-3.16	688.86	197.40	198.97	687.29	-27.70
8	6	1179	18.08	6.45	16.20	8.34	-4.29	362.58	167.30	360.01	169.87	-22.28
8	6	1180	13.40	-0.22	13.21	-3.14e-02	1.58	330.91	218.42	304.39	244.93	-47.75
8	6	1181	-9.89	-21.20	-12.19	-18.90	4.55	638.27	132.01	136.55	633.74	-47.71
8	6	1182	-22.96	-38.86	-31.08	-30.74	7.94	953.48	18.41	19.27	952.63	-28.27
8	6	1183	-23.83	-40.94	-31.04	-33.73	8.44	1024.56	-24.95	-24.95	1024.56	2.23
8	6	1184	-21.32	-33.69	-25.06	-29.96	5.68	924.36	-12.35	-11.40	923.41	29.82
8	6	1185	-15.54	-27.31	-17.75	-25.09	4.60	798.28	21.84	23.66	796.45	37.58
8	6	1186	-9.06	-20.89	-10.74	-19.21	4.13	644.82	59.71	63.09	641.44	44.34
8	6	1187	1.99	-9.32	0.99	-8.32	3.21	392.10	124.10	137.14	379.07	57.65
8	6	1188	11.41	-3.49	6.03	1.89	-7.15	186.89	123.97	184.48	126.38	12.08
8	22	920	34.04	15.56	27.89	21.72	-8.71	-70.45	-119.57	-93.90	-96.12	-24.54
8	22	921	39.32	11.57	35.96	14.93	9.05	337.00	8.35	120.84	224.51	-155.93
8	22	922	24.87	-17.94	20.78	-13.85	12.58	976.92	276.97	315.36	938.52	-159.38
8	22	923	0.32	-45.22	-3.44	-41.46	12.54	1765.68	378.55	393.45	1750.78	-142.98
8	22	924	-15.81	-67.05	-19.98	-62.89	14.00	2385.36	347.11	359.23	2373.24	-156.70
8	22	925	-22.26	-76.31	-34.50	-64.07	22.62	2425.15	527.12	561.85	2390.41	-254.41
8	22	926	-40.05	-73.00	-59.07	-53.97	16.28	2068.64	865.79	867.74	2066.70	-48.38
8	22	927	-41.33	-47.18	-42.58	-45.94	-2.39	1883.47	476.09	639.29	1720.28	450.60
8	22	928	-2.60	-25.96	-2.60	-25.96	-3.52e-02	1420.47	41.12	159.18	1302.41	385.88
8	22	929	14.67	-2.63	12.69	-0.65	5.51	631.71	6.94	45.40	593.25	150.17
8	22	930	26.17	7.62	19.49	14.30	8.91	202.38	51.49	152.56	101.31	70.96
8	22	931	12.03	-0.91	9.95	1.17	4.75	199.70	124.38	145.68	178.40	33.92
8	22	932	-9.17	-18.90	-10.37	-17.70	3.19	508.47	116.84	117.13	508.17	10.74
8	22	933	-24.12	-29.08	-24.15	-29.05	0.35	762.22	99.24	99.27	762.19	4.60
8	22	934	-23.47	-31.51	-23.82	-31.15	-1.65	810.42	95.75	95.79	810.39	-5.09
8	22	935	-18.48	-27.76	-18.77	-27.47	-1.62	726.03	91.51	91.81	725.73	-13.83
8	22	936	-12.80	-23.49	-13.18	-23.12	-1.98	625.62	97.49	98.02	625.10	-16.70
8	22	937	-5.83	-17.68	-6.33	-17.18	-2.37	497.87	108.25	109.18	496.94	-18.98
8	22	938	4.73	-6.66	4.13	-6.07	-2.53	288.05	119.14	121.64	285.55	-20.41
8	22	939	18.23	0.92	9.96	9.19	8.65	96.41	49.96	81.56	64.81	-21.67
8	22	940	22.87	12.47	14.40	20.94	4.05	400.89	1.70	293.99	108.61	-176.77
8	22	941	17.17	-12.28	3.73	1.16	14.67	561.46	45.09	326.65	279.89	-257.13
8	22	942	16.41	-36.92	-3.63	-16.87	25.83	616.71	265.59	302.62	579.68	-107.84
8	22	943	4.73	-56.00	-11.49	-39.78	26.87	998.61	246.01	248.56	996.06	-43.76
8	22	944	-10.92	-68.73	-21.05	-58.60	21.98	1452.39	107.40	107.42	1452.37	4.44
8	22	945	-4.54	-12.67	-12.66	-4.55	-0.33	489.50	3.81	6.00	487.31	32.56
8	22	946	13.04	-19.71	-18.87	12.19	5.19	325.75	166.61	295.71	196.65	62.27
8	22	947	3.87	-22.82	-17.99	-0.96	10.28	342.78	-89.04	181.96	71.79	208.77
8	22	948	-3.14	-29.81	-19.62	-13.33	12.96	314.09	-133.99	1.99	178.10	206.01
8	22	949	-19.71	-23.81	-21.89	-21.62	2.04	268.69	-111.79	-90.63	247.53	87.20
8	22	950	-13.05	-30.01	-15.72	-27.34	-6.18	257.57	-97.52	-95.26	255.32	-28.19
8	22	951	-10.33	-30.87	-14.85	-26.35	-8.51	258.40	-130.90	-98.85	226.35	-107.00
8	22	952	-6.47	-28.61	-13.07	-22.01	-10.13	268.90	-111.05	-38.49	196.34	-149.35
8	22	953	-3.00	-25.81	-11.83	-16.98	-11.11	268.26	-82.28	27.10	158.88	-162.42
8	22	954	0.67	-20.66	-9.99	-10.01	-10.67	268.60	-17.78	129.74	121.08	-143.12
8	22	955	5.38	-5.64	-5.23	4.97	-2.09	321.81	119.92	321.13	120.61	-11.74
8	22	956	-11.66	-105.39	-29.29	-87.76	36.62	1909.00	-101.48	135.53	1672.00	-648.32
8	22	957	6.91	-29.03	6.03	-28.15	5.54	593.76	-177.01	593.48	-176.74	14.51
8	22	958	3.23	-24.26	2.92	-23.95	-2.88	647.39	-313.35	490.40	-156.35	355.22

8	22	959	-13.45	-58.69	-22.82	-49.32	-18.33	1414.90	-231.17	-56.82	1240.55	506.54
8	22	960	3.01	-19.17	-17.67	1.51	5.57	1156.93	292.37	1114.35	334.95	-187.09
8	22	961	8.01	-37.13	-19.00	-10.12	22.13	729.39	253.17	688.17	294.39	-133.91
8	22	962	7.60	-50.89	-21.43	-21.86	29.24	514.82	251.58	409.13	357.27	129.04
8	22	963	1.98	-61.91	-21.70	-38.23	30.86	642.98	82.56	230.34	495.19	246.94
8	22	964	-5.48	-75.77	-22.10	-59.15	29.86	929.70	-59.09	133.23	737.38	391.38
8	22	965	-14.77	-23.54	-21.34	-16.97	-3.80	545.04	-119.08	90.54	335.42	-308.67
8	22	966	1.07	-26.95	-26.05	0.17	4.96	474.08	165.67	425.12	214.63	-112.70
8	22	967	-3.91	-42.87	-38.47	-8.32	12.34	236.10	-41.55	236.03	-41.48	-4.41
8	22	968	-5.22	-34.72	-32.99	-6.96	6.94	146.27	-161.31	-106.81	91.77	117.44
8	22	969	-7.06	-21.57	-20.58	-8.05	3.65	86.57	-192.22	-189.79	84.14	25.91
8	22	970	-13.94	-42.18	-25.61	-30.51	-13.90	6.04	-452.65	-393.06	-53.55	-154.21
8	22	971	-8.06	-32.41	-20.21	-20.26	-12.17	238.27	-381.90	-189.93	46.30	-286.71
8	22	972	-5.95	-32.22	-19.32	-18.86	-13.13	227.85	-276.30	-65.80	17.35	-248.62
8	22	973	-4.57	-31.45	-19.43	-16.59	-13.37	252.95	-186.34	45.71	20.90	-219.30
8	22	974	-3.63	-29.94	-20.31	-13.26	-12.67	327.95	-41.49	233.59	52.86	-161.11
8	22	975	-9.27	-22.11	-21.74	-9.64	-2.14	731.46	163.44	731.41	163.49	-5.22
8	22	976	-6.24	-84.26	-8.89	-81.61	14.13	750.69	-78.01	7.66	665.02	252.31
8	22	979	-9.60	-50.81	-9.92	-50.49	-3.61	456.79	-89.93	36.04	330.81	-230.23
8	22	980	-25.21	-47.40	-46.47	-26.14	4.46	2029.61	457.00	2012.66	473.94	-162.37
8	22	981	-7.39	-55.58	-43.53	-19.44	20.87	1144.15	293.77	1136.06	301.86	-82.54
8	22	982	-4.73	-58.06	-38.20	-24.59	25.78	662.57	133.12	584.02	211.67	188.20
8	22	983	-7.60	-59.42	-30.17	-36.84	25.69	525.91	-115.02	277.07	133.82	312.36
8	22	984	-9.39	-61.56	-19.91	-51.04	20.93	494.49	-314.47	184.43	-4.42	393.30
8	22	985	-19.23	-25.30	-20.04	-24.49	-2.06	445.98	-196.42	248.52	1.04	-296.41
8	22	986	-14.73	-19.95	-19.63	-15.05	1.26	606.70	183.78	571.80	218.67	-116.36
8	22	987	-3.52	-14.33	-14.24	-3.61	0.98	184.90	9.08e-02	2.76	182.22	22.06
8	22	990	-11.36	-12.60	-11.41	-12.55	0.24	144.46	-206.72	135.09	-197.35	-56.60
8	22	991	-9.64	-27.65	-17.32	-19.96	-8.91	205.28	-328.59	72.48	-195.79	-230.78
8	22	992	-9.85	-29.78	-20.93	-18.71	-9.90	199.12	-252.53	62.76	-116.17	-207.35
8	22	993	-10.73	-31.51	-24.29	-17.96	-9.90	249.68	-161.58	141.65	-53.54	-180.99
8	22	994	-12.49	-33.42	-28.70	-17.22	-8.75	415.62	-12.63	371.37	31.61	-130.35
8	22	995	-22.78	-32.65	-32.60	-22.83	-0.72	1067.72	203.49	1067.68	203.53	-5.79
8	22	996	-13.25	-42.71	-13.33	-42.63	1.53	164.74	-94.08	145.34	-74.68	68.15
8	22	997	-14.11	-32.03	-23.64	-22.50	8.94	80.26	-686.01	-682.24	76.48	-53.68
8	22	998	-21.69	-28.71	-28.48	-21.92	-1.25	81.67	-662.45	-661.49	80.71	-26.68
8	22	999	-18.08	-35.58	-19.65	-34.01	5.01	226.78	-139.07	163.69	-75.97	-138.21
8	22	1000	-47.47	-67.35	-66.59	-48.23	3.81	2716.91	555.51	2710.64	561.78	-116.22
8	22	1001	-21.30	-67.81	-62.73	-26.39	14.51	1524.46	300.15	1521.33	303.29	-61.86
8	22	1002	-17.70	-60.11	-53.17	-24.64	15.68	795.16	87.69	758.61	124.23	156.59
8	22	1003	-23.42	-50.97	-40.21	-34.18	13.44	431.15	-175.78	308.91	-53.54	243.40
8	22	1004	-24.87	-46.03	-29.68	-41.21	8.87	180.86	-317.04	76.94	-213.13	202.34
8	22	1005	-19.91	-25.23	-20.30	-24.84	-1.38	379.89	-106.03	346.91	-73.06	-122.21
8	22	1006	-16.07	-26.12	-19.61	-22.58	-4.80	830.37	229.89	826.37	233.89	48.83
8	22	1007	-8.87	-16.67	-16.67	-8.87	0.12	115.84	-7.88	-2.11	110.07	26.09
8	22	1010	-5.37	-14.29	-14.12	-5.54	-1.21	146.01	-190.40	142.57	-186.96	-33.85
8	22	1011	-16.03	-21.46	-21.45	-16.04	0.21	32.45	-254.27	32.25	-254.06	-7.71
8	22	1012	-16.63	-26.66	-26.60	-16.69	-0.77	66.31	-173.06	49.20	-155.96	-61.65
8	22	1013	-17.22	-30.81	-30.51	-17.51	-1.98	191.90	-107.38	165.52	-81.01	-84.84
8	22	1014	-19.03	-35.37	-34.87	-19.53	-2.81	471.62	11.13	457.98	24.77	-78.07
8	22	1015	-29.73	-38.53	-38.49	-29.77	0.63	1285.39	229.50	1285.33	229.55	-7.42
8	22	1016	-23.38	-55.05	-36.87	-41.56	15.66	-152.78	-552.78	-327.94	-377.62	198.45
8	22	1017	-14.95	-33.83	-33.41	-15.38	2.80	148.66	-611.77	-609.29	146.18	-43.35
8	22	1018	-12.90	-28.46	-27.99	-13.37	2.66	149.53	-575.43	-571.18	145.28	-55.34
8	22	1019	-22.04	-41.18	-28.81	-34.40	-9.15	-67.21	-454.66	-175.05	-346.82	-173.65
8	22	1020	-12.97	-45.73	-40.21	-18.50	-12.26	802.33	-116.39	682.74	3.20	309.14
8	22	1021	-5.55	-51.59	-51.55	-5.59	1.33	82.20	-437.72	-425.02	69.50	-80.26
8	22	1022	-5.26	-53.68	-53.68	-5.26	3.30e-02	122.69	-884.78	-882.76	120.66	-45.13
8	22	1023	-9.20	-52.06	-47.58	-13.68	13.11	-175.57	-819.69	-708.98	-286.28	243.01
8	22	1024	-9.27	-37.65	-36.14	-10.77	6.36	-120.70	-272.41	-222.00	-171.10	71.45
8	22	1025	-12.32	-36.72	-36.24	-12.80	3.37	-73.70	-150.10	-73.72	-150.07	1.35
8	22	1026	-15.00	-37.04	-36.96	-15.08	1.31	130.47	-95.61	126.35	-91.49	-30.22
8	22	1027	-18.96	-38.98	-38.97	-18.97	0.44	480.66	11.61	477.82	14.45	-36.39
8	22	1028	-31.46	-39.90	-39.90	-31.47	-0.23	1368.05	234.07	1368.04	234.09	-3.95
8	22	1029	-59.53	-79.08	-77.66	-60.96	5.09	3067.11	552.66	3065.29	554.48	-67.68
8	22	1030	-26.33	-75.79	-74.80	-27.32	6.92	1787.71	268.22	1785.72	270.21	-54.92
8	22	1031	-20.69	-64.22	-64.12	-20.79	2.09	917.62	76.42	901.38	92.66	115.76
8	22	1032	-31.24	-49.26	-48.84	-31.66	-2.73	341.89	-144.61	298.49	-101.21	138.67
8	22	1033	-31.40	-46.81	-31.40	-46.80	-0.16	28.64	-389.41	1.33	-362.10	103.32
8	22	1034	-23.68	-28.90	-23.93	-28.65	-1.11	340.90	-104.21	337.63	-100.95	-37.99
8	22	1035	-23.28	-30.33	-29.03	-24.58	-2.73	1214.29	56.13	1208.94	61.48	78.56
8	22	1036	-14.51	-46.06	-45.02	-15.54	-5.62	802.25	-107.77	800.21	-105.73	43.08
8	22	1037	-7.43	-56.14	-56.12	-7.44	0.96	144.09	-336.43	-331.80	139.46	-46.94
8	22	1038	-7.24	-56.62	-56.61	-7.25	0.72	153.60	-970.75	-970.72	153.57	5.59
8	22	1039	-12.61	-49.79	-49.23	-13.17	4.54	-159.64	-751.39	-734.18	-176.85	99.42
8	22	1040	-7.86	-43.14	-42.57	-8.42	4.42	-150.48	-364.21	-353.75	-160.94	46.11
8	22	1041	-11.06	-40.08	-39.88	-11.25	2.39	-114.39	-139.40	-114.42	-139.36	0.92
8	22	1042	-14.06	-39.14	-39.06	-14.13	1.40	114.90	-87.74	113.25	-86.09	-18.22
8	22	1043	-18.85	-39.54	-39.53	-18.86	0.52	483.03	16.54	482.09	17.48	-20.98

8	22	1044	-31.23	-40.95	-40.83	-31.34	1.04	1383.85	238.84	1383.82	238.87	-5.60
8	22	1045	-11.59	-43.05	-11.83	-42.81	2.77	150.77	-390.14	147.88	-387.26	39.38
8	22	1048	-10.45	-36.38	-10.45	-36.38	-0.27	40.35	-204.58	40.13	-204.37	-7.26
8	22	1049	-61.85	-81.83	-76.38	-67.30	8.90	2983.58	370.82	2978.37	376.03	-116.55
8	22	1050	-17.05	-75.65	-75.63	-17.07	-1.02	2057.48	188.57	2056.50	189.56	-42.93
8	22	1051	-13.90	-66.72	-64.75	-15.87	-9.99	1051.13	109.95	1026.09	134.99	151.46
8	22	1052	-16.22	-67.24	-60.16	-23.30	-17.63	172.76	51.11	167.05	56.82	25.72
8	22	1053	-24.60	-67.16	-38.21	-53.54	-19.85	20.85	-439.41	-50.17	-368.39	-166.27
8	22	1054	-21.50	-29.43	-24.20	-26.73	3.76	370.83	-96.63	365.91	-91.72	47.68
8	22	1055	-19.89	-32.11	-28.15	-23.85	5.72	1127.42	97.71	1119.34	105.78	-90.84
8	22	1056	-12.45	-49.02	-44.58	-16.90	11.95	784.56	-96.26	723.06	-34.76	-224.48
8	22	1057	-6.22	-55.35	-55.35	-6.22	0.49	126.09	-393.66	-377.88	110.31	89.18
8	22	1058	-6.49	-55.19	-55.17	-6.52	1.10	140.80	-926.70	-926.54	140.64	13.07
8	22	1059	-10.22	-46.37	-44.07	-12.52	-8.83	-149.88	-757.91	-671.38	-236.41	-212.43
8	22	1060	-9.53	-37.57	-36.43	-10.67	-5.53	-106.50	-320.31	-271.20	-155.61	-89.93
8	22	1061	-12.44	-36.62	-36.42	-12.64	-2.16	-74.08	-138.67	-77.96	-134.80	-15.34
8	22	1062	-14.97	-37.02	-37.02	-14.97	2.32e-03	130.71	-80.34	129.00	-78.63	18.91
8	22	1063	-18.99	-38.54	-38.45	-19.08	1.34	486.10	23.81	484.33	25.58	28.61
8	22	1064	-30.53	-39.89	-39.86	-30.56	0.54	1369.53	241.68	1369.53	241.68	1.08
8	22	1065	-31.12	-66.28	-49.99	-47.41	-17.53	-225.87	-794.45	-400.11	-620.20	-262.13
8	22	1066	-13.84	-38.89	-38.88	-13.86	-0.61	118.14	-656.02	-652.08	114.21	55.05
8	22	1067	-13.52	-31.48	-31.18	-13.82	-2.31	120.94	-611.87	-611.74	120.81	10.02
8	22	1068	-21.21	-42.72	-29.20	-34.73	10.40	-67.53	-400.72	-115.83	-352.43	117.30
8	22	1069	-60.98	-77.81	-62.30	-76.50	4.51	2376.87	401.28	2372.58	405.57	-91.90
8	22	1070	0.34	-50.85	-50.85	0.34	-0.16	2794.78	16.85	2431.80	379.84	-936.26
8	22	1071	-9.67	-63.70	-59.63	-13.74	-14.27	875.34	-3.73	836.80	34.80	179.97
8	22	1072	-8.43	-56.55	-52.73	-12.24	-13.00	302.39	146.77	253.69	195.46	72.16
8	22	1073	-37.50	-115.25	-69.04	-83.71	-38.18	-106.36	-889.78	-265.43	-730.71	-315.14
8	22	1074	-23.61	-49.97	-42.73	-30.85	-11.76	-276.76	-361.65	-310.50	-327.91	-41.54
8	22	1075	-14.47	-42.26	-39.12	-17.61	-8.79	119.00	-804.68	-797.39	111.72	81.71
8	22	1076	-18.01	-36.34	-36.23	-18.11	-1.37	87.45	-582.78	-569.03	73.71	94.99
8	22	1077	-23.94	-33.52	-25.61	-31.85	3.64	102.32	-314.71	62.80	-275.19	122.15
8	22	1078	-21.02	-30.00	-24.21	-26.81	4.30	401.01	-144.24	361.60	-104.83	141.18
8	22	1079	-52.49	-75.78	-52.62	-75.65	-1.75	2305.66	733.53	2243.20	795.99	-307.06
8	22	1080	17.80	-31.95	-24.86	10.71	-17.40	607.81	-274.78	-97.14	430.17	-353.87
8	22	1083	-9.35	-107.69	-16.93	-100.11	-26.23	130.54	-764.21	106.69	-740.35	-144.14
8	22	1084	-19.81	-28.04	-22.61	-25.24	3.90	411.87	-184.67	323.25	-96.04	212.17
8	22	1085	-17.04	-24.68	-20.74	-20.98	3.82	742.80	199.64	742.79	199.65	2.65
8	22	1086	-4.72	-14.71	-14.49	-4.94	-1.47	150.50	-59.34	-58.72	149.88	11.36
8	22	1089	-5.32	-14.96	-13.78	-6.50	3.16	172.51	-216.96	168.63	-213.07	38.70
8	22	1090	-13.93	-21.78	-19.20	-16.51	3.69	94.92	-265.54	90.17	-260.80	41.09
8	22	1091	-15.25	-26.20	-23.97	-17.48	4.41	108.87	-186.62	85.31	-163.07	80.04
8	22	1092	-15.59	-30.35	-28.05	-17.88	5.35	213.79	-117.31	180.94	-84.46	98.98
8	22	1093	-16.78	-34.98	-32.99	-18.77	5.67	464.71	6.57	447.47	23.81	87.18
8	22	1094	-26.94	-37.05	-36.94	-27.06	1.08	1236.43	224.52	1236.41	224.54	4.61
8	22	1095	-9.20	-49.06	-12.47	-45.79	-10.94	-19.65	-456.72	-21.95	-454.42	31.63
8	22	1096	-17.72	-38.16	-30.14	-25.75	-9.98	101.45	-734.93	-734.78	101.30	11.21
8	22	1097	-20.10	-34.10	-34.09	-20.11	-0.37	77.35	-638.05	-637.25	76.55	-23.91
8	22	1098	-25.91	-42.75	-29.92	-38.74	-7.18	242.49	-176.47	191.07	-125.04	137.48
8	22	1099	-12.13	-48.71	-27.86	-32.97	-18.11	1273.68	670.25	1157.44	786.49	237.97
8	22	1100	15.61	-43.92	-20.57	-7.74	-29.06	547.87	-60.53	57.24	430.09	240.38
8	22	1103	-3.41	-90.16	-11.96	-81.62	-25.85	209.27	54.80	121.25	142.83	-76.48
8	22	1104	-20.76	-24.37	-21.93	-23.20	1.68	508.52	-196.85	182.29	129.38	351.69
8	22	1105	-10.68	-21.64	-21.06	-11.27	-2.46	527.15	179.39	485.57	220.97	112.83
8	22	1106	0.28	-14.69	-14.36	-5.05e-02	-2.20	171.57	14.92	20.32	166.17	-28.58
8	22	1109	-10.55	-16.98	-10.76	-16.78	1.12	157.35	-213.03	139.85	-195.53	78.57
8	22	1110	-8.01	-30.51	-16.64	-21.89	10.94	244.10	-344.20	84.72	-184.81	261.46
8	22	1111	-7.12	-32.16	-19.81	-19.46	12.52	232.92	-268.92	73.58	-109.59	233.61
8	22	1112	-7.20	-33.23	-22.60	-17.83	12.80	269.36	-178.25	141.78	-50.68	202.06
8	22	1113	-8.09	-34.09	-26.46	-15.72	11.84	402.58	-26.50	345.61	30.47	145.60
8	22	1114	-17.53	-30.72	-30.14	-18.12	2.72	983.75	192.36	983.73	192.39	4.19
8	22	1115	-5.72	-98.22	-8.61	-95.33	-16.09	498.74	-122.25	22.01	354.48	-262.25
8	22	1118	-10.97	-50.94	-10.99	-50.91	0.97	302.22	-195.90	1.19	105.14	243.58
8	22	1119	32.75	-18.45	-9.49	23.79	-19.45	1048.47	16.99	597.69	467.77	511.63
8	22	1120	10.19	-57.83	-7.80	-39.84	-30.00	655.24	-310.00	-49.32	394.56	428.56
8	22	1123	-7.57	-59.01	-12.54	-54.03	-15.20	1602.73	-47.68	-38.90	1593.95	-120.05
8	22	1124	-12.94	-18.27	-18.17	-13.04	0.74	461.96	-120.81	-20.58	361.73	219.92
8	22	1125	5.36	-27.81	-26.20	3.75	-7.12	361.70	182.97	324.40	220.27	72.63
8	22	1126	-1.78	-45.08	-39.35	-7.52	-14.68	189.40	-26.48	189.08	-26.17	-8.29
8	22	1127	-4.85	-34.21	-31.63	-7.43	-8.31	145.64	-117.30	-60.62	88.96	-108.12
8	22	1128	-7.96	-19.55	-18.43	-9.09	-3.43	73.74	-119.51	-116.92	71.15	-22.22
8	22	1129	-13.88	-45.82	-25.20	-34.49	15.28	66.58	-380.28	-351.18	37.48	110.26
8	22	1130	-8.07	-34.32	-19.71	-22.69	13.04	291.28	-351.06	-172.95	113.17	287.55
8	22	1131	-4.94	-33.45	-18.33	-20.07	14.23	261.57	-256.56	-53.48	58.49	252.94
8	22	1132	-2.59	-31.85	-17.79	-16.65	14.62	272.52	-179.00	46.33	47.18	225.76
8	22	1133	-0.29	-28.99	-17.37	-11.91	14.09	320.06	-48.55	204.73	66.78	170.91
8	22	1134	-2.31	-18.38	-17.36	-3.33	3.92	615.92	151.34	615.86	151.40	5.26
8	22	1135	-10.47	-116.77	-22.75	-104.49	-33.98	1990.18	217.05	290.15	1917.08	352.52
8	22	1136	21.93	-30.83	21.70	-30.59	-3.52	359.14	-217.50	337.09	-195.45	-110.59

8	22	1137	12.32	-25.89	12.21	-25.78	-2.05	379.70	-205.44	379.27	-205.01	-15.93
8	22	1138	-15.12	-57.24	-21.87	-50.49	15.44	1080.35	-71.22	-50.34	1059.46	-153.66
8	22	1139	51.91	12.04	12.08	51.87	-1.30	469.55	-282.44	211.62	-24.51	356.98
8	22	1140	-12.22	-73.16	-45.15	-40.23	-30.37	1641.62	31.12	1013.55	659.19	785.52
8	22	1141	10.97	-39.72	-21.32	-7.43	-24.38	210.07	-76.85	206.90	-73.68	-29.99
8	22	1142	24.93	-34.93	11.93	-21.92	-24.69	266.17	-281.11	211.28	-226.22	164.39
8	22	1143	21.19	-50.40	19.44	-48.66	-11.04	2377.55	155.41	311.82	2221.13	-568.42
8	22	1144	8.10	-89.27	-3.16	-78.01	-31.14	1644.38	-263.26	88.56	1292.57	739.84
8	22	1145	-4.09	-38.69	-4.76	-38.01	-4.80	673.56	220.80	662.82	231.54	-68.89
8	22	1146	-7.41	-34.11	-10.20	-31.32	8.16	857.47	-148.60	498.53	210.34	-481.96
8	22	1147	-5.25	-43.27	-9.86	-38.66	12.41	1167.81	-368.21	-219.43	1019.03	-454.31
8	22	1148	-9.87	-15.03	-15.00	-9.90	0.38	501.77	-4.14	-4.13	501.76	2.27
8	22	1149	42.94	16.06	19.29	39.71	8.74	296.49	-320.22	96.33	-120.06	288.75
8	22	1150	13.11	-18.42	6.71	-12.02	-12.68	1051.45	-305.51	419.97	325.97	676.85
8	22	1151	29.91	-46.41	-6.04	-10.45	-38.10	769.50	-74.67	455.21	239.62	408.08
8	22	1152	23.27	-48.46	-0.16	-25.04	-33.64	598.66	263.99	528.58	334.07	136.17
8	22	1153	-3.24	-49.37	-4.33	-48.28	-7.01	1803.17	5.59	141.34	1667.42	-474.96
8	22	1154	-5.00	-81.07	-11.69	-74.39	-21.53	1834.37	186.93	273.04	1748.27	366.66
8	22	1155	-19.85	-49.74	-22.47	-47.11	-8.46	1045.50	569.55	580.26	1034.79	-70.57
8	22	1156	-15.18	-42.89	-18.60	-39.47	9.11	1263.85	48.20	421.90	890.15	-560.93
8	22	1157	-5.16	-36.79	-9.79	-32.17	11.18	1187.34	-225.46	21.53	940.36	-536.60
8	22	1158	-5.99	-7.54	-7.48	-6.05	-0.31	555.31	-4.22	52.16	498.94	-168.42
8	22	1159	15.31	-13.10	-11.60	13.82	-6.34	276.70	100.24	227.21	149.72	-79.27
8	22	1160	4.94	-19.25	-13.62	-0.69	-10.22	303.32	-48.38	175.68	79.25	-169.11
8	22	1161	-4.61	-29.90	-19.91	-14.60	-12.36	328.47	-48.53	43.30	236.64	-161.82
8	22	1162	-22.97	-25.20	-25.02	-23.15	-0.61	362.80	-51.20	-33.92	345.53	-82.78
8	22	1163	-15.52	-32.49	-18.77	-29.24	6.67	385.20	-53.41	-53.39	385.17	-3.02
8	22	1164	-12.61	-31.90	-16.74	-27.77	7.92	363.69	-71.43	-58.87	351.13	72.84
8	22	1165	-8.53	-28.47	-14.27	-22.73	9.03	336.46	-46.91	-6.50	296.05	117.72
8	22	1166	-3.72	-24.14	-11.18	-16.68	9.83	299.90	-22.72	46.65	230.53	132.55
8	22	1167	1.46	-16.82	-7.39	-7.97	9.13	262.23	14.14	121.21	155.16	122.88
8	22	1168	7.91	-1.56	-1.19	7.54	1.84	228.95	98.51	227.12	100.33	15.33
8	22	1169	48.88	17.50	37.94	28.44	14.96	-162.37	-211.30	-174.65	-199.02	21.22
8	22	1170	67.35	15.26	65.78	16.83	-8.91	285.33	-84.33	152.67	48.33	177.32
8	22	1171	40.81	-20.34	30.98	-10.51	-22.47	710.56	371.07	461.13	620.49	149.88
8	22	1172	-7.25	-47.22	-21.84	-32.63	-19.25	1352.71	595.24	598.96	1348.99	52.98
8	22	1173	-38.29	-60.72	-42.31	-56.70	-8.60	2066.23	416.38	416.38	2066.23	1.59
8	22	1174	-40.35	-71.27	-44.27	-67.36	-10.29	2415.43	472.25	472.27	2415.40	6.53
8	22	1175	-46.66	-65.93	-54.34	-58.25	-9.43	2220.37	700.16	701.59	2218.94	-46.72
8	22	1176	-39.31	-46.53	-39.75	-46.09	-1.74	1839.40	530.69	544.23	1825.85	-132.44
8	22	1177	-9.62	-28.04	-9.65	-28.01	-0.77	1277.55	193.12	212.11	1258.56	-142.24
8	22	1178	13.76	-0.62	12.68	0.46	-3.79	571.17	61.19	78.59	553.77	-92.57
8	22	1179	22.66	5.87	16.46	12.07	-8.10	168.55	70.70	149.39	89.85	-38.83
8	22	1180	11.11	-0.49	9.42	1.19	-4.09	174.89	141.09	150.57	165.42	-15.18
8	22	1181	-12.28	-18.81	-13.40	-17.70	-2.45	495.42	116.93	116.95	495.40	-2.90
8	22	1182	-28.13	-31.22	-31.03	-28.32	0.74	754.36	89.22	89.23	754.35	-2.62
8	22	1183	-27.53	-32.85	-29.37	-31.01	2.53	814.55	75.47	75.47	814.55	-1.51
8	22	1184	-22.50	-27.70	-22.88	-27.32	1.36	731.33	79.86	79.98	731.22	8.61
8	22	1185	-15.45	-23.27	-15.65	-23.06	1.26	624.88	93.49	93.67	624.70	9.63
8	22	1186	-8.25	-17.16	-8.59	-16.82	1.70	492.32	111.84	112.16	492.00	10.96
8	22	1187	4.32	-6.02	3.76	-5.47	2.33	272.57	122.84	124.06	271.35	13.47
8	22	1188	16.84	0.37	9.86	7.35	-8.14	103.99	49.38	101.22	52.15	11.99
8	23	920	35.99	14.19	25.65	24.53	-10.89	-81.49	-82.58	-82.16	-81.91	0.53
8	23	921	34.22	12.85	32.79	14.27	5.33	337.93	38.93	126.74	250.12	-136.18
8	23	922	19.36	-17.04	18.12	-15.80	6.60	1012.70	290.32	320.22	982.80	-143.88
8	23	923	-4.34	-45.04	-5.18	-44.20	5.79	1814.29	388.22	400.96	1801.54	-134.21
8	23	924	-21.18	-66.98	-22.31	-65.85	7.10	2439.41	356.57	368.47	2427.51	-156.99
8	23	925	-30.39	-69.06	-36.09	-63.35	13.71	2470.35	536.76	572.23	2434.89	-259.47
8	23	926	-51.79	-63.65	-59.45	-55.99	5.67	2090.92	873.81	876.36	2088.37	-55.63
8	23	927	-28.56	-56.29	-39.41	-45.44	-13.53	1903.45	482.10	646.33	1739.22	454.38
8	23	928	4.63	-32.04	1.60	-29.01	-10.10	1447.15	37.06	164.78	1319.43	404.70
8	23	929	19.26	0.76	18.75	1.28	-3.04	634.70	-0.75	39.94	594.00	155.57
8	23	930	24.88	15.31	24.73	15.46	1.17	200.74	46.46	152.60	94.59	71.48
8	23	931	14.37	1.56	13.50	2.43	-3.22	194.47	128.07	149.99	172.56	31.22
8	23	932	-5.66	-20.82	-8.95	-17.53	-6.25	500.32	104.61	106.01	498.92	23.52
8	23	933	-17.61	-36.29	-23.75	-30.14	-8.77	765.80	87.27	87.57	765.51	14.24
8	23	934	-17.48	-38.31	-23.01	-32.78	-9.20	820.33	92.80	92.91	820.22	8.79
8	23	935	-13.10	-32.45	-16.91	-28.63	-7.69	734.34	99.79	99.89	734.24	8.04
8	23	936	-7.55	-27.07	-10.69	-23.92	-7.18	630.02	106.97	107.18	629.81	10.55
8	23	937	-0.85	-20.60	-3.52	-17.93	-6.75	498.96	108.75	109.14	498.58	12.19
8	23	938	8.07	-9.06	6.36	-7.34	-5.14	287.71	110.01	110.54	287.18	9.68
8	23	939	16.81	1.53	11.38	6.96	7.31	73.86	59.63	69.30	64.19	6.64
8	23	940	26.68	14.64	15.09	26.23	2.28	361.45	37.26	279.09	119.62	-141.13
8	23	941	14.68	-8.16	4.22	2.30	11.38	531.13	77.47	311.73	296.87	-226.71
8	23	942	11.25	-31.71	-2.86	-17.60	20.18	630.78	267.98	288.50	610.26	-83.81
8	23	943	2.37e-02	-51.08	-9.50	-41.56	19.90	1034.16	240.26	241.43	1032.99	-30.40
8	23	944	-11.43	-64.95	-15.76	-60.62	14.59	1492.81	115.88	115.92	1492.77	-7.71
8	23	945	2.25	-20.05	-14.66	-3.14	-9.55	491.49	-11.98	-11.41	490.93	16.89
8	23	946	13.01	-17.40	-17.18	12.80	-2.54	313.98	177.50	297.14	194.34	44.88

8	23	947	1.77	-17.11	-16.43	1.09	3.52	350.23	-80.72	195.12	74.38	206.84
8	23	948	-10.35	-21.70	-18.45	-13.59	5.13	326.03	-151.04	-2.53	177.52	220.89
8	23	949	-15.69	-27.75	-21.20	-22.23	-6.01	274.24	-133.06	-107.57	248.76	98.64
8	23	950	-8.13	-38.40	-15.98	-30.55	-13.26	263.69	-95.07	-94.80	263.43	-9.67
8	23	951	-6.58	-37.83	-15.88	-28.52	-14.29	253.35	-95.86	-76.72	234.21	-79.48
8	23	952	-3.81	-35.59	-15.39	-24.02	-15.29	243.28	-70.19	-18.52	191.61	-116.31
8	23	953	-0.70	-32.20	-13.69	-19.21	-15.50	233.82	-38.45	43.07	152.30	-124.70
8	23	954	1.27	-25.31	-10.93	-13.11	-13.24	228.45	13.99	125.57	116.88	-107.14
8	23	955	1.15	-7.50	-5.91	-0.44	-3.35	316.87	113.64	314.68	115.83	20.99
8	23	956	-9.18	-94.25	-19.47	-83.96	27.73	1958.94	-89.06	155.44	1714.44	-664.04
8	23	957	13.79	-29.08	13.18	-28.47	-5.06	609.24	-156.53	609.24	-156.53	0.49
8	23	958	5.73	-31.29	-0.70	-24.86	-14.03	667.25	-299.64	505.84	-138.24	360.56
8	23	959	-10.45	-73.97	-28.86	-55.55	-28.82	1430.18	-212.54	-40.81	1258.45	502.61
8	23	960	10.99	-15.62	-14.86	10.23	4.42	1099.43	308.47	1070.69	337.22	-148.02
8	23	961	8.59	-32.04	-16.69	-6.76	19.70	672.71	270.16	646.31	296.56	-99.65
8	23	962	4.41	-44.65	-18.93	-21.31	24.50	524.07	209.62	372.79	360.90	157.11
8	23	963	-2.95	-55.39	-19.09	-39.25	24.20	662.78	49.77	200.50	512.05	263.97
8	23	964	-10.52	-70.39	-19.82	-61.09	21.69	942.78	-56.52	117.68	768.58	379.12
8	23	965	-3.12	-32.82	-20.76	-15.19	-14.59	571.71	-127.65	101.36	342.70	-328.20
8	23	966	1.34	-24.07	-23.72	0.99	-2.96	505.95	158.73	446.78	217.91	-130.55
8	23	967	-3.60	-35.56	-34.03	-5.13	6.83	258.25	-30.19	257.95	-29.89	-9.38
8	23	968	-7.24	-32.16	-32.14	-7.26	0.72	165.19	-164.87	-94.14	94.46	135.43
8	23	969	-8.64	-27.31	-26.69	-9.26	-3.34	95.37	-166.18	-159.91	89.10	40.00
8	23	970	-15.09	-56.32	-34.64	-36.77	-20.59	11.07	-390.10	-347.48	-31.54	-123.61
8	23	971	-7.39	-43.94	-27.28	-24.05	-18.21	211.57	-327.45	-152.03	36.15	-252.56
8	23	972	-5.03	-42.49	-24.92	-22.60	-18.69	192.48	-231.87	-34.56	-4.83	-211.65
8	23	973	-4.25	-40.55	-23.78	-21.01	-18.09	219.60	-147.51	70.02	2.07	-180.39
8	23	974	-5.68	-36.92	-23.15	-19.45	-15.51	302.69	-20.02	243.16	39.51	-125.17
8	23	975	-18.72	-26.80	-24.51	-21.00	-3.64	731.25	150.54	729.97	151.82	27.21
8	23	976	-6.89	-84.05	-7.21	-83.73	4.96	753.20	-73.11	5.72	674.37	242.75
8	23	979	-4.48	-56.31	-9.36	-51.42	-15.14	491.88	-106.81	35.74	349.33	-254.99
8	23	980	-15.07	-43.21	-42.72	-15.56	3.68	1956.22	455.31	1945.02	466.52	-129.20
8	23	981	-4.12	-50.46	-40.23	-14.35	19.22	1076.08	287.48	1072.57	291.00	-52.50
8	23	982	-5.75	-52.09	-34.96	-22.88	22.37	633.05	89.81	529.60	193.25	213.30
8	23	983	-11.20	-53.89	-28.14	-36.96	20.88	511.64	-154.35	233.25	124.05	328.49
8	23	984	-13.45	-58.28	-19.56	-52.17	15.38	467.49	-321.99	145.72	-0.22	387.94
8	23	985	-8.46	-31.75	-16.66	-23.55	-11.12	477.10	-202.78	265.10	9.22	-314.95
8	23	986	-10.25	-22.43	-18.58	-14.10	-5.66	630.96	182.73	588.69	225.00	-131.00
8	23	987	-2.96	-14.68	-13.66	-3.98	-3.31	193.96	15.79	16.27	193.48	9.20
8	23	990	-9.31	-19.38	-13.18	-15.51	-4.90	139.67	-204.14	135.95	-200.42	-35.59
8	23	991	-7.33	-36.08	-19.87	-23.54	-14.26	186.10	-331.44	81.22	-226.56	-208.04
8	23	992	-8.68	-39.21	-24.39	-23.51	-15.26	182.70	-240.92	83.95	-142.17	-179.11
8	23	993	-11.30	-40.71	-27.74	-24.27	-14.60	239.41	-148.46	166.14	-75.19	-151.82
8	23	994	-16.66	-41.00	-31.40	-26.26	-11.90	411.75	-11.53	384.79	15.43	-103.36
8	23	995	-34.23	-40.70	-35.77	-39.16	-2.75	1070.74	186.81	1070.34	187.20	18.71
8	23	996	-16.26	-48.55	-16.86	-47.95	-4.36	116.72	-118.31	100.05	-101.65	60.32
8	23	997	-21.89	-27.29	-25.90	-23.28	2.36	87.89	-690.74	-685.16	82.31	-65.67
8	23	998	-12.97	-30.00	-21.98	-20.99	-8.50	82.03	-630.79	-629.27	80.50	-32.93
8	23	999	-11.48	-29.62	-12.02	-29.08	-3.08	253.29	-138.14	177.94	-62.79	-154.33
8	23	1000	-36.22	-62.67	-62.26	-36.63	3.28	2630.90	545.24	2626.78	549.36	-92.61
8	23	1001	-16.17	-63.15	-58.84	-20.48	13.56	1443.99	285.79	1442.70	287.09	-38.70
8	23	1002	-16.42	-54.97	-49.19	-22.20	13.76	739.87	50.65	691.86	98.65	175.44
8	23	1003	-24.10	-45.74	-36.28	-33.55	10.73	386.26	-219.14	252.78	-85.66	250.98
8	23	1004	-22.51	-43.86	-24.28	-42.09	5.88	128.69	-352.65	26.76	-250.71	196.66
8	23	1005	-15.66	-30.93	-23.11	-23.48	-7.63	405.22	-102.55	366.31	-63.64	-135.08
8	23	1006	-12.43	-30.78	-20.61	-22.59	-9.12	855.81	237.52	851.76	241.56	49.84
8	23	1007	-11.79	-17.61	-16.43	-12.97	-2.34	132.78	2.73	15.03	120.48	38.05
8	23	1010	-2.79	-17.10	-15.80	-4.09	-4.11	148.31	-221.12	147.54	-220.35	-16.86
8	23	1011	-17.73	-25.23	-23.63	-19.33	-3.08	46.93	-285.11	46.90	-285.09	2.81
8	23	1012	-19.78	-31.07	-28.81	-22.04	-4.52	85.82	-191.11	77.04	-182.34	-48.51
8	23	1013	-22.12	-35.99	-33.06	-25.05	-5.66	210.52	-117.76	195.91	-103.15	-67.70
8	23	1014	-27.27	-40.42	-37.10	-30.58	-5.71	482.85	-0.88	475.10	6.87	-60.74
8	23	1015	-41.32	-49.96	-41.63	-49.64	-1.62	1290.30	209.42	1290.23	209.49	8.56
8	23	1016	-22.25	-49.40	-28.73	-42.92	11.57	-197.86	-603.48	-387.21	-414.12	202.36
8	23	1017	-13.21	-27.03	-25.91	-14.34	-3.78	154.94	-623.31	-619.67	151.30	-53.12
8	23	1018	-13.07	-31.49	-30.26	-14.30	-4.59	149.09	-546.41	-539.73	142.41	-67.82
8	23	1019	-16.89	-47.54	-32.38	-32.05	-15.32	-43.63	-445.00	-158.94	-329.68	-181.62
8	23	1020	-16.24	-50.52	-43.49	-23.28	-13.84	838.38	-112.38	709.08	16.92	325.90
8	23	1021	-5.24	-55.86	-55.86	-5.24	-0.29	89.46	-390.07	-374.17	73.57	-85.85
8	23	1022	-6.20	-57.86	-57.82	-6.24	-1.42	128.52	-805.36	-802.86	126.03	-48.18
8	23	1023	-8.25	-52.81	-49.61	-11.45	11.51	-167.99	-820.23	-675.97	-312.25	270.71
8	23	1024	-12.51	-39.26	-38.46	-13.30	4.55	-129.23	-293.26	-226.13	-196.36	80.65
8	23	1025	-18.04	-39.03	-38.98	-18.09	1.04	-25.99	-175.59	-26.45	-175.12	8.31
8	23	1026	-22.95	-39.86	-39.76	-23.05	-1.30	166.48	-114.88	164.95	-113.35	-20.68
8	23	1027	-30.49	-41.66	-41.29	-30.86	-1.99	499.31	-5.64	497.96	-4.29	-26.12
8	23	1028	-42.73	-53.96	-43.26	-53.43	-2.38	1374.09	212.32	1374.07	212.35	5.77
8	23	1029	-47.98	-73.65	-72.82	-48.81	4.54	2975.27	538.35	2974.08	539.55	-53.93
8	23	1030	-20.75	-71.25	-70.41	-21.60	6.47	1699.99	250.89	1698.96	251.92	-38.72
8	23	1031	-18.35	-59.53	-59.47	-18.41	1.57	845.71	48.72	824.65	69.78	127.83

8	23	1032	-29.78	-45.44	-44.46	-30.75	-3.79	279.70	-176.23	234.66	-131.19	136.04
8	23	1033	-27.62	-48.06	-27.95	-47.73	-2.56	-9.84	-430.62	-34.79	-405.67	99.37
8	23	1034	-19.92	-32.44	-25.96	-26.40	-6.26	363.91	-94.11	360.08	-90.28	-41.69
8	23	1035	-20.08	-34.20	-31.18	-23.10	-5.79	1255.27	62.36	1249.85	67.78	80.24
8	23	1036	-18.53	-49.47	-48.21	-19.78	-6.11	842.95	-94.49	840.35	-91.88	49.38
8	23	1037	-7.47	-59.88	-59.88	-7.47	-2.39e-02	142.47	-289.12	-283.96	137.31	-46.91
8	23	1038	-7.99	-60.76	-60.76	-7.99	-0.42	157.11	-897.59	-897.55	157.07	6.25
8	23	1039	-11.55	-52.95	-52.65	-11.85	3.50	-165.76	-678.86	-651.66	-192.96	114.96
8	23	1040	-10.30	-46.31	-46.00	-10.61	3.35	-160.77	-307.75	-287.15	-181.38	51.03
8	23	1041	-16.20	-42.97	-42.94	-16.22	0.86	-63.35	-162.19	-63.67	-161.88	5.59
8	23	1042	-21.99	-41.99	-41.98	-22.00	-0.47	154.28	-107.46	153.71	-106.89	-12.24
8	23	1043	-30.72	-42.11	-41.90	-30.93	-1.54	503.50	-1.43	503.06	-0.98	-14.96
8	23	1044	-44.11	-53.72	-44.24	-53.60	-1.07	1390.33	217.34	1390.33	217.34	-4.50e-02
8	23	1045	-9.56	-46.40	-9.56	-46.39	-0.39	130.66	-449.83	129.86	-449.03	21.58
8	23	1048	-10.18	-32.33	-11.35	-31.16	-4.95	49.62	-206.29	49.27	-205.95	-9.41
8	23	1049	-51.17	-74.70	-71.39	-54.48	8.18	2894.09	353.54	2889.34	358.29	-109.76
8	23	1050	-12.54	-71.23	-71.21	-12.56	-1.17	1967.11	169.10	1966.71	169.50	-26.86
8	23	1051	-12.20	-61.41	-59.59	-14.03	-9.30	965.90	98.14	938.28	125.76	152.32
8	23	1052	-15.34	-62.57	-55.54	-22.37	-16.81	98.09	37.19	92.05	43.23	18.20
8	23	1053	-21.53	-65.21	-34.61	-52.13	-20.00	-24.19	-513.32	-112.65	-424.86	-188.26
8	23	1054	-23.85	-25.72	-24.72	-24.85	0.93	398.11	-85.46	392.34	-79.68	52.52
8	23	1055	-19.60	-32.07	-29.42	-22.25	5.10	1166.49	106.58	1159.35	113.71	-86.66
8	23	1056	-16.12	-52.39	-46.69	-21.82	13.19	827.92	-86.53	763.74	-22.35	-233.60
8	23	1057	-6.55	-58.11	-58.11	-6.56	0.15	130.97	-345.54	-328.08	113.52	89.52
8	23	1058	-7.04	-59.50	-59.49	-7.04	0.28	142.62	-845.56	-845.35	142.41	14.42
8	23	1059	-9.12	-50.09	-47.87	-11.34	-9.29	-146.31	-707.25	-593.49	-260.06	-225.54
8	23	1060	-11.45	-41.20	-39.97	-12.68	-5.93	-99.89	-292.48	-212.77	-179.60	-94.86
8	23	1061	-17.05	-40.13	-39.79	-17.39	-2.77	-26.47	-159.57	-28.55	-157.50	-16.48
8	23	1062	-22.43	-40.16	-40.11	-22.48	-0.93	170.01	-99.52	168.94	-98.45	16.96
8	23	1063	-30.80	-40.93	-40.92	-30.80	-0.26	506.81	7.21	505.51	8.51	25.48
8	23	1064	-42.98	-52.16	-43.24	-51.90	-1.52	1377.14	221.82	1377.14	221.82	-0.51
8	23	1065	-31.05	-67.61	-47.69	-50.97	-18.21	-261.30	-884.08	-462.99	-682.39	-291.42
8	23	1066	-13.06	-35.68	-35.57	-13.17	-1.58	131.53	-613.29	-608.23	126.47	61.17
8	23	1067	-12.31	-28.79	-27.90	-13.20	-3.74	120.61	-587.74	-587.25	120.12	18.68
8	23	1068	-19.34	-35.78	-26.48	-28.64	8.15	-48.95	-394.53	-97.51	-345.97	120.09
8	23	1069	-56.26	-65.58	-58.55	-63.29	4.01	2305.77	382.12	2301.07	386.82	-94.98
8	23	1070	3.68	-47.98	-47.98	3.67	-0.24	2698.34	-2.20	2345.52	350.61	-910.12
8	23	1071	-8.63	-58.35	-54.68	-12.31	-13.02	787.44	-11.01	742.55	33.88	183.92
8	23	1072	-7.85	-49.45	-46.19	-11.10	-11.16	242.16	125.55	172.96	194.75	57.27
8	23	1073	-33.75	-109.53	-62.52	-80.76	-36.77	-153.17	-1002.06	-339.68	-815.55	-351.48
8	23	1074	-24.80	-47.56	-39.08	-33.28	-11.01	-308.79	-409.93	-339.88	-378.84	-46.67
8	23	1075	-13.33	-39.58	-35.85	-17.06	-9.17	128.77	-770.77	-761.93	119.93	88.73
8	23	1076	-17.43	-34.24	-33.96	-17.71	-2.14	89.11	-562.37	-546.18	72.92	101.42
8	23	1077	-22.22	-28.91	-24.00	-27.13	2.96	123.27	-315.10	79.68	-271.50	131.19
8	23	1078	-20.78	-27.71	-23.81	-24.68	3.44	430.93	-138.09	387.07	-94.24	151.76
8	23	1079	-49.26	-63.31	-49.36	-63.21	-1.19	2279.02	705.36	2209.19	775.20	-324.07
8	23	1080	20.40	-29.80	-23.31	13.91	-16.84	568.44	-302.46	-132.88	398.85	-344.87
8	23	1083	-7.43	-104.02	-14.23	-97.23	-24.70	124.78	-847.40	105.77	-828.39	-134.60
8	23	1084	-18.79	-27.43	-22.99	-23.24	4.32	443.22	-183.08	347.03	-86.89	225.81
8	23	1085	-15.00	-25.36	-20.94	-19.42	5.12	768.88	208.86	768.46	209.28	15.28
8	23	1086	-8.73	-15.25	-14.46	-9.52	2.13	163.06	-43.84	-43.63	162.85	6.58
8	23	1089	-2.86	-16.93	-15.42	-4.37	4.36	170.96	-240.92	169.49	-239.44	24.61
8	23	1090	-14.87	-25.11	-21.44	-18.53	4.91	104.93	-288.95	101.99	-286.01	33.89
8	23	1091	-18.10	-30.02	-26.43	-21.69	5.47	127.25	-200.45	111.02	-184.22	71.09
8	23	1092	-20.99	-34.25	-30.79	-24.45	5.82	233.32	-124.19	211.21	-102.08	86.11
8	23	1093	-26.51	-37.99	-35.42	-29.08	4.79	478.10	-2.16	466.51	9.43	73.69
8	23	1094	-40.16	-46.48	-40.25	-46.39	-0.75	1244.40	207.85	1244.34	207.91	-7.74
8	23	1095	-8.19	-50.27	-10.19	-48.27	-8.95	-26.89	-512.35	-31.27	-507.98	45.89
8	23	1096	-15.89	-35.45	-26.38	-24.96	-9.75	110.45	-743.63	-743.11	109.93	21.04
8	23	1097	-18.90	-31.57	-31.55	-18.92	-0.50	75.30	-612.74	-612.16	74.72	-20.03
8	23	1098	-23.99	-38.15	-28.31	-33.83	-6.52	268.36	-176.21	209.57	-117.41	150.60
8	23	1099	-7.97	-40.30	-25.18	-23.09	-16.13	1233.29	670.75	1139.34	764.70	209.82
8	23	1100	16.55	-39.67	-19.09	-4.03	-27.08	508.93	-58.44	39.60	410.89	214.50
8	23	1103	-3.70	-86.96	-10.82	-79.84	-23.28	190.05	45.13	122.56	112.62	-72.29
8	23	1104	-17.74	-25.25	-21.47	-21.52	3.76	540.74	-205.46	199.23	136.05	371.76
8	23	1105	-9.74	-20.33	-20.12	-9.95	1.50	556.89	179.73	506.12	230.49	128.72
8	23	1106	8.61e-02	-14.26	-13.37	-0.81	3.47	184.68	32.84	34.66	182.85	-16.57
8	23	1109	-9.34	-20.00	-12.34	-17.00	4.79	149.81	-202.75	139.57	-192.50	59.23
8	23	1110	-6.61	-35.92	-18.96	-23.58	14.47	227.54	-340.61	93.35	-206.42	241.31
8	23	1111	-7.24	-38.23	-22.88	-22.59	15.49	221.02	-253.07	95.52	-127.56	209.16
8	23	1112	-9.46	-39.00	-25.76	-22.70	14.69	263.33	-161.08	167.72	-65.48	177.30
8	23	1113	-14.38	-38.31	-29.04	-23.65	11.66	401.23	-20.00	361.76	19.48	122.76
8	23	1114	-32.42	-34.71	-33.34	-33.79	1.12	990.40	180.46	990.05	180.80	-16.70
8	23	1115	-5.96	-96.56	-7.91	-94.61	-13.13	464.58	-124.12	24.87	315.59	-255.96
8	23	1118	-9.98	-47.35	-10.27	-47.06	3.26	330.03	-211.77	9.96	108.29	266.40
8	23	1119	36.03	-13.97	-7.67	29.73	-16.59	1004.55	47.73	586.08	466.19	474.64
8	23	1120	10.23	-51.17	-6.13	-34.82	-27.14	604.47	-281.13	-62.38	385.72	381.94
8	23	1123	-7.84	-58.78	-10.34	-56.29	-10.99	1614.44	-39.54	-32.85	1607.76	-104.94
8	23	1124	-9.87	-19.64	-17.71	-11.81	3.89	486.20	-136.15	-14.75	364.79	246.61

8	23	1125	5.25	-22.53	-22.38	5.10	-2.07	396.40	177.26	345.38	228.28	92.62
8	23	1126	-2.88	-34.85	-33.08	-4.64	-7.30	205.55	-11.16	205.40	-11.01	-5.59
8	23	1127	-7.28	-29.32	-29.28	-7.31	-0.89	166.94	-121.24	-46.38	92.08	-126.37
8	23	1128	-8.95	-23.99	-23.40	-9.54	2.92	82.07	-91.53	-84.14	74.69	-35.03
8	23	1129	-14.45	-56.00	-32.50	-37.95	20.60	76.31	-323.50	-303.62	56.42	86.92
8	23	1130	-7.19	-42.27	-25.27	-24.19	17.53	273.24	-300.14	-133.49	106.59	260.35
8	23	1131	-4.19	-40.22	-22.56	-21.85	18.01	244.37	-208.64	-20.73	56.45	223.19
8	23	1132	-2.90	-37.52	-21.02	-19.40	17.29	254.53	-135.94	72.16	46.43	194.81
8	23	1133	-3.66	-32.77	-19.57	-16.86	14.49	300.46	-24.72	216.21	59.54	142.47
8	23	1134	-13.06	-20.93	-19.81	-14.18	2.75	617.84	145.14	616.92	146.07	-20.93
8	23	1135	-8.48	-110.25	-18.61	-100.13	-30.46	2006.20	218.24	294.99	1929.45	362.40
8	23	1136	25.60	-30.24	25.59	-30.23	-0.62	362.27	-217.19	342.44	-197.36	-105.34
8	23	1137	12.42	-24.92	12.41	-24.91	0.46	391.96	-204.66	391.62	-204.31	-14.39
8	23	1138	-14.10	-59.34	-23.68	-49.75	18.49	1076.12	-61.75	-44.31	1058.68	-139.78
8	23	1139	55.09	15.56	15.58	55.08	0.79	409.66	-242.02	177.54	-9.89	312.07
8	23	1140	-9.81	-65.15	-39.63	-35.34	-27.58	1567.70	59.26	966.98	659.99	738.44
8	23	1141	9.72	-31.76	-14.60	-7.45	-20.43	182.99	-73.29	180.23	-70.53	-26.42
8	23	1142	25.46	-30.32	16.26	-21.12	-20.70	268.76	-277.95	218.99	-228.18	157.27
8	23	1143	22.17	-52.66	21.40	-51.89	-7.52	2399.73	163.69	317.50	2245.92	-565.93
8	23	1144	9.27	-83.86	5.13e-02	-74.64	-27.81	1669.22	-262.53	96.03	1310.66	751.06
8	23	1145	-0.89	-37.27	-0.94	-37.22	-1.38	674.30	224.93	666.93	232.30	-57.06
8	23	1146	-2.73	-35.07	-7.33	-30.47	11.30	857.84	-141.20	506.47	210.17	-477.05
8	23	1147	-2.82	-45.24	-9.58	-38.48	15.52	1162.21	-358.78	-213.32	1016.75	-447.31
8	23	1148	-6.25	-14.09	-11.25	-9.09	3.76	505.89	-15.23	-13.37	504.04	31.05
8	23	1149	44.74	16.73	20.44	41.03	9.50	253.10	-278.54	76.80	-102.24	250.29
8	23	1150	13.89	-14.10	9.38	-9.59	-10.29	1021.14	-292.07	396.68	332.38	655.82
8	23	1151	27.69	-40.63	-2.33	-10.61	-33.91	770.62	-76.67	443.28	250.67	412.55
8	23	1152	22.08	-42.85	3.79	-24.55	-29.21	599.27	273.15	530.86	341.56	132.77
8	23	1153	-0.44	-50.05	-0.66	-49.83	-3.24	1830.73	10.20	146.34	1694.58	-478.88
8	23	1154	-2.88	-76.77	-7.47	-72.18	-17.83	1858.05	189.59	279.25	1768.39	376.24
8	23	1155	-17.66	-46.86	-18.21	-46.31	-3.97	1048.29	577.83	584.37	1041.75	-55.08
8	23	1156	-8.36	-45.13	-14.42	-39.07	13.65	1263.45	58.55	427.34	894.66	-555.29
8	23	1157	1.33	-39.30	-5.84	-32.13	15.49	1185.46	-212.66	29.88	942.91	-529.41
8	23	1158	-0.93	-8.85	-4.14	-5.64	3.89	543.46	-3.34	38.02	502.10	-144.58
8	23	1159	14.56	-8.49	-8.42	14.49	-1.23	265.80	111.87	221.96	155.71	-69.47
8	23	1160	1.22	-11.16	-10.55	0.61	-2.68	311.16	-41.76	181.06	88.34	-170.26
8	23	1161	-10.93	-20.26	-16.79	-14.40	-4.51	345.92	-63.57	39.59	242.77	-177.77
8	23	1162	-16.18	-29.11	-22.26	-23.03	6.46	374.54	-44.35	-22.20	352.39	-93.75
8	23	1163	-9.14	-37.93	-16.51	-30.56	12.57	392.41	-30.29	-29.71	391.83	-15.62
8	23	1164	-7.20	-35.77	-14.89	-28.08	12.67	365.84	-40.04	-32.67	358.47	54.20
8	23	1165	-3.96	-32.25	-13.20	-23.00	13.27	332.41	-12.13	16.44	303.84	95.01
8	23	1166	-0.17	-27.69	-10.45	-17.41	13.31	290.53	14.28	64.75	240.07	106.74
8	23	1167	2.42	-19.13	-6.69	-10.03	10.64	241.46	42.19	126.34	157.30	98.42
8	23	1168	3.27	-1.83	-1.01	2.44	1.88	222.40	103.35	221.89	103.87	-7.83
8	23	1169	47.96	16.38	35.70	28.64	15.39	-174.89	-189.66	-180.95	-183.60	-7.27
8	23	1170	65.03	15.79	64.08	16.74	-6.77	280.53	-73.69	144.31	62.52	172.32
8	23	1171	37.93	-17.51	31.25	-10.83	-18.05	725.12	367.71	455.52	637.31	153.86
8	23	1172	-9.20	-41.45	-18.03	-32.63	-14.38	1369.45	596.34	599.66	1366.13	50.56
8	23	1173	-35.43	-58.20	-36.32	-57.30	-4.42	2094.96	419.89	419.90	2094.95	-4.12
8	23	1174	-36.31	-67.06	-37.59	-65.78	-6.14	2437.27	475.95	476.02	2437.19	11.94
8	23	1175	-46.26	-58.93	-48.02	-57.16	-4.39	2230.95	704.50	705.31	2230.14	-35.16
8	23	1176	-33.10	-46.69	-34.13	-45.66	3.59	1848.82	533.61	548.06	1834.37	-137.13
8	23	1177	-4.29	-28.62	-5.10	-27.82	4.36	1286.38	198.37	218.96	1265.79	-148.25
8	23	1178	15.81	0.65	15.74	0.72	1.01	572.47	56.43	71.48	557.42	-86.82
8	23	1179	20.70	11.63	20.07	12.26	-2.31	174.85	65.91	143.98	96.79	-49.09
8	23	1180	11.13	0.20	9.90	1.43	3.45	180.54	144.42	154.63	170.32	-16.27
8	23	1181	-8.87	-21.18	-13.05	-16.99	5.83	506.09	115.15	115.86	505.37	-16.69
8	23	1182	-18.70	-35.89	-26.15	-28.44	8.52	766.22	99.32	99.53	766.01	-11.76
8	23	1183	-17.09	-36.75	-22.80	-31.04	8.93	822.44	93.58	93.71	822.31	-9.78
8	23	1184	-12.90	-30.40	-15.99	-27.31	6.67	737.90	99.50	99.52	737.87	-4.23
8	23	1185	-6.51	-24.34	-8.82	-22.03	5.99	629.78	111.88	111.97	629.70	-6.54
8	23	1186	-0.11	-18.53	-2.18	-16.47	5.81	500.97	118.21	118.33	500.84	-6.99
8	23	1187	8.99	-7.54	7.55	-6.10	4.66	279.84	124.57	124.65	279.76	-3.58
8	23	1188	16.39	0.63	11.71	5.31	-7.20	92.82	60.16	91.99	60.99	-5.12
8	54	920	34.35	15.37	27.43	22.28	-9.13	-72.72	-112.24	-91.61	-93.35	-19.74
8	54	921	38.25	11.85	35.30	14.80	8.31	337.32	14.32	122.02	229.62	-152.27
8	54	922	23.63	-17.68	20.21	-14.25	11.39	984.15	279.62	316.32	947.44	-156.57
8	54	923	-0.82	-45.07	-3.86	-42.03	11.19	1775.56	380.41	394.90	1761.07	-141.44
8	54	924	-17.11	-66.94	-20.54	-63.50	12.62	2396.34	348.90	360.99	2384.25	-156.84
8	54	925	-24.04	-74.82	-34.92	-63.94	20.83	2434.30	528.96	563.83	2399.42	-255.41
8	54	926	-42.48	-71.17	-59.25	-54.40	14.14	2073.01	867.33	869.38	2070.96	-49.69
8	54	927	-38.90	-48.96	-42.01	-45.85	-4.64	1887.46	477.17	640.64	1724.00	451.45
8	54	928	-1.64	-26.77	-1.81	-26.60	-2.07	1425.84	40.25	160.20	1305.88	389.65
8	54	929	14.79	-1.21	13.84	-0.26	3.78	632.37	5.35	44.32	593.40	151.38
8	54	930	25.45	9.56	20.49	14.52	7.36	202.06	50.38	152.57	99.87	71.12
8	54	931	11.60	0.43	10.61	1.42	3.18	198.49	125.09	146.45	177.13	33.34
8	54	932	-9.92	-17.90	-10.15	-17.67	1.33	506.73	114.44	114.87	506.29	13.02
8	54	933	-23.75	-29.65	-24.13	-29.27	-1.46	762.78	96.86	96.92	762.72	6.37
8	54	934	-22.60	-32.59	-23.71	-31.48	-3.14	812.22	95.10	95.11	812.21	-2.38

8	54	935	-17.65	-28.50	-18.45	-27.70	-2.83	727.46	93.04	93.18	727.31	-9.54
8	54	936	-11.92	-24.07	-12.72	-23.27	-3.01	626.20	99.38	99.63	625.96	-11.36
8	54	937	-4.96	-18.17	-5.80	-17.33	-3.23	497.62	108.66	109.09	497.20	-12.88
8	54	938	5.35	-7.11	4.56	-6.32	-3.05	287.07	118.21	119.47	285.81	-14.53
8	54	939	17.90	1.08	10.23	8.75	8.38	89.54	54.20	79.12	64.61	-16.11
8	54	940	23.53	13.00	14.53	22.00	3.70	393.27	8.68	291.15	110.81	-169.84
8	54	941	16.68	-11.48	3.82	1.38	14.03	555.67	51.43	323.78	283.31	-251.31
8	54	942	15.35	-35.89	-3.50	-17.04	24.71	619.28	266.49	299.91	585.86	-103.32
8	54	943	3.69	-54.96	-11.12	-40.15	25.48	1005.81	244.99	247.24	1003.56	-41.32
8	54	944	-11.23	-67.82	-20.03	-59.02	20.50	1460.60	109.07	109.07	1460.60	2.04
8	54	945	-3.75	-13.61	-13.09	-4.27	-2.20	489.82	0.88	2.69	488.02	29.67
8	54	946	12.73	-19.01	-18.59	12.30	3.64	323.29	168.74	295.92	196.11	59.00
8	54	947	3.26	-21.54	-17.72	-0.56	8.95	344.02	-87.48	184.35	72.18	208.33
8	54	948	-4.60	-28.22	-19.44	-13.38	11.42	316.14	-137.17	1.05	177.91	208.69
8	54	949	-21.32	-22.22	-21.80	-21.75	0.45	269.64	-115.81	-93.88	247.71	89.29
8	54	950	-12.17	-31.62	-15.80	-27.98	-7.58	258.58	-96.97	-95.26	256.87	-24.57
8	54	951	-9.64	-32.22	-15.08	-26.78	-9.66	257.19	-124.14	-94.80	227.84	-101.63
8	54	952	-5.98	-29.98	-13.55	-22.40	-11.15	263.87	-103.18	-34.81	195.49	-142.90
8	54	953	-2.55	-27.08	-12.21	-17.42	-11.99	261.54	-73.81	30.06	157.67	-155.06
8	54	954	0.79	-21.59	-10.19	-10.62	-11.19	260.80	-11.55	128.94	120.31	-136.11
8	54	955	4.47	-5.93	-5.37	3.91	-2.35	320.01	119.51	319.87	119.66	-5.34
8	54	956	-11.32	-103.05	-27.35	-87.01	34.84	1919.12	-99.10	139.36	1680.66	-651.46
8	54	957	7.73	-28.55	7.41	-28.22	3.41	596.71	-172.95	596.53	-172.77	11.78
8	54	958	3.12	-25.11	2.15	-24.14	-5.14	651.33	-310.72	493.38	-152.77	356.39
8	54	959	-12.97	-61.72	-24.08	-50.61	-20.45	1418.14	-227.71	-53.79	1244.21	505.97
8	54	960	4.57	-18.44	-17.12	3.25	5.36	1145.61	295.72	1105.85	335.48	-179.48
8	54	961	8.13	-36.14	-18.55	-9.47	21.66	718.28	256.67	680.01	294.94	-127.29
8	54	962	6.95	-49.67	-20.94	-21.78	28.31	516.31	243.93	402.06	358.18	134.41
8	54	963	0.94	-60.59	-21.19	-38.45	29.53	646.89	76.44	224.63	498.71	250.15
8	54	964	-6.61	-74.60	-21.66	-59.56	28.22	932.37	-58.40	130.28	743.69	389.02
8	54	965	-12.51	-25.36	-21.25	-16.63	-6.00	550.07	-120.85	92.39	336.83	-312.40
8	54	966	0.75	-26.04	-25.61	0.32	3.37	479.90	164.28	428.96	215.22	-116.11
8	54	967	-3.94	-41.36	-37.60	-7.70	11.25	240.16	-39.36	240.06	-39.26	-5.43
8	54	968	-5.81	-34.04	-32.83	-7.02	5.72	149.61	-161.82	-104.48	92.27	120.70
8	54	969	-7.92	-22.17	-21.79	-8.29	2.27	88.06	-187.23	-184.25	85.07	28.51
8	54	970	-14.20	-44.97	-27.41	-31.76	-15.23	6.85	-440.69	-384.48	-49.36	-148.31
8	54	971	-7.94	-34.70	-21.62	-21.02	-13.38	233.10	-371.45	-182.80	44.45	-280.10
8	54	972	-5.77	-34.27	-20.44	-19.60	-14.25	220.88	-267.55	-59.94	13.26	-241.45
8	54	973	-4.49	-33.27	-20.30	-17.46	-14.32	246.23	-178.50	50.28	17.46	-211.73
8	54	974	-4.04	-31.31	-20.87	-14.47	-13.25	322.64	-36.81	235.39	50.44	-154.11
8	54	975	-11.32	-22.84	-22.29	-11.87	-2.46	731.14	161.26	731.14	161.26	1.11
8	54	976	-6.57	-84.05	-8.57	-82.05	12.28	751.68	-76.98	7.31	667.39	250.48
8	54	979	-8.98	-51.56	-9.83	-50.71	-5.96	463.62	-93.12	35.98	334.53	-234.96
8	54	980	-23.22	-46.56	-45.73	-24.05	4.32	2015.24	456.81	1999.49	472.56	-155.90
8	54	981	-6.75	-54.58	-42.88	-18.45	20.55	1130.76	292.77	1123.68	299.85	-76.69
8	54	982	-4.94	-56.90	-37.57	-24.27	25.11	656.55	125.15	573.41	208.30	193.06
8	54	983	-8.35	-58.33	-29.79	-36.89	24.74	523.14	-122.36	268.61	132.17	315.45
8	54	984	-10.30	-60.86	-19.88	-51.28	19.81	489.40	-315.69	177.08	-3.37	392.30
8	54	985	-17.22	-26.48	-19.37	-24.33	-3.91	451.80	-197.77	251.46	2.57	-300.00
8	54	986	-14.87	-19.44	-19.43	-14.88	-0.14	611.07	183.53	574.78	219.82	-119.16
8	54	987	-3.68	-14.14	-14.14	-3.69	0.13	186.47	3.09	5.21	184.35	19.60
8	54	990	-11.41	-13.50	-11.76	-13.14	-0.78	143.37	-205.94	135.27	-197.84	-52.57
8	54	991	-9.17	-29.33	-17.83	-20.67	-9.98	201.37	-328.68	74.13	-201.44	-226.39
8	54	992	-9.61	-31.66	-21.61	-19.66	-10.98	195.53	-249.71	66.75	-120.92	-201.88
8	54	993	-10.86	-33.31	-24.97	-19.20	-10.85	247.17	-158.39	146.25	-57.47	-175.33
8	54	994	-13.41	-34.81	-29.23	-18.99	-9.39	414.48	-11.92	373.91	28.65	-125.11
8	54	995	-25.86	-33.40	-33.22	-26.04	-1.15	1068.21	200.39	1068.21	200.39	-1.03
8	54	996	-14.08	-43.72	-14.09	-43.71	0.34	155.70	-98.50	136.81	-79.61	66.67
8	54	997	-15.78	-31.04	-24.15	-22.67	7.59	81.68	-686.83	-682.72	77.57	-56.03
8	54	998	-20.59	-28.34	-27.19	-21.74	-2.75	81.73	-656.44	-655.38	80.67	-27.94
8	54	999	-17.40	-33.76	-18.12	-33.04	3.35	231.79	-138.94	166.31	-73.46	-141.38
8	54	1000	-45.27	-66.41	-65.74	-45.94	3.72	2700.16	553.58	2694.35	559.39	-111.59
8	54	1001	-20.30	-66.90	-61.97	-25.23	14.33	1508.72	297.46	1506.00	300.18	-57.33
8	54	1002	-17.46	-59.10	-52.39	-24.17	15.31	784.21	80.74	745.57	119.37	160.27
8	54	1003	-23.57	-49.94	-39.44	-34.07	12.91	422.45	-184.01	298.04	-59.60	244.89
8	54	1004	-24.55	-45.46	-28.61	-41.40	8.27	170.92	-323.80	67.33	-220.21	201.29
8	54	1005	-19.48	-25.99	-20.88	-24.59	-2.68	384.48	-105.46	350.34	-71.32	-124.74
8	54	1006	-15.36	-27.05	-19.82	-22.59	-5.68	834.91	231.30	830.92	235.29	48.96
8	54	1007	-9.66	-16.65	-16.64	-9.68	-0.37	118.78	-5.80	0.98	112.00	28.27
8	54	1010	-4.91	-14.79	-14.45	-5.25	-1.80	146.28	-195.83	143.51	-193.06	-30.67
8	54	1011	-16.65	-21.92	-21.88	-16.69	-0.46	35.10	-259.85	34.99	-259.74	-5.70
8	54	1012	-17.50	-27.28	-27.04	-17.74	-1.53	69.57	-175.92	54.41	-160.76	-59.09
8	54	1013	-18.40	-31.60	-31.01	-18.99	-2.73	194.96	-108.75	171.23	-85.02	-81.52
8	54	1014	-20.89	-36.11	-35.30	-21.70	-3.41	473.58	9.10	461.23	21.45	-74.73
8	54	1015	-33.67	-39.11	-39.10	-33.67	0.16	1286.31	225.64	1286.30	225.66	-4.34
8	54	1016	-23.34	-53.71	-35.23	-41.82	14.82	-161.38	-562.31	-339.19	-384.50	199.18
8	54	1017	-15.05	-32.03	-31.90	-15.17	1.45	149.83	-613.91	-611.21	147.14	-45.28
8	54	1018	-13.47	-28.57	-28.48	-13.57	1.16	149.41	-569.93	-565.26	144.73	-57.78
8	54	1019	-21.11	-42.43	-29.57	-33.97	-10.43	-62.77	-452.97	-172.17	-343.58	-175.27

8	54	1020	-13.63	-46.67	-40.87	-19.43	-12.58	808.96	-115.56	687.61	5.78	312.19
8	54	1021	-5.50	-52.43	-52.41	-5.53	1.00	83.48	-428.64	-415.40	70.24	-81.28
8	54	1022	-5.46	-54.49	-54.49	-5.46	-0.26	123.75	-869.82	-867.72	121.64	-45.68
8	54	1023	-9.04	-52.16	-47.96	-13.24	12.78	-174.50	-819.33	-702.81	-291.02	248.11
8	54	1024	-9.93	-37.93	-36.58	-11.27	5.99	-122.41	-276.04	-222.75	-175.69	73.12
8	54	1025	-13.48	-37.13	-36.77	-13.84	2.89	-64.82	-154.70	-64.90	-154.62	2.68
8	54	1026	-16.62	-37.53	-37.51	-16.64	0.78	137.05	-98.92	133.59	-95.45	-28.38
8	54	1027	-21.30	-39.43	-39.43	-21.30	-6.54e-02	484.13	8.45	481.63	10.95	-34.42
8	54	1028	-35.68	-40.65	-40.55	-35.77	-0.68	1369.23	229.86	1369.22	229.87	-2.08
8	54	1029	-57.29	-77.99	-76.71	-58.57	5.00	3049.32	549.89	3047.63	551.58	-64.98
8	54	1030	-25.24	-74.91	-73.94	-26.20	6.85	1770.61	264.89	1768.83	266.67	-51.74
8	54	1031	-20.24	-63.30	-63.21	-20.33	1.99	903.51	71.14	886.39	88.26	118.15
8	54	1032	-30.98	-48.49	-47.98	-31.49	-2.94	329.83	-150.70	286.08	-106.95	138.24
8	54	1033	-30.70	-47.03	-30.72	-47.00	-0.66	21.20	-397.32	-5.67	-370.45	102.58
8	54	1034	-23.34	-29.21	-24.34	-28.21	-2.20	345.08	-102.36	341.69	-98.98	-38.77
8	54	1035	-22.64	-31.13	-29.46	-24.31	-3.37	1221.70	57.29	1216.34	62.65	78.83
8	54	1036	-15.29	-46.73	-45.65	-16.37	-5.72	809.81	-105.25	807.67	-103.11	44.22
8	54	1037	-7.44	-56.88	-56.87	-7.45	0.76	143.79	-327.41	-322.69	139.07	-46.92
8	54	1038	-7.39	-57.43	-57.43	-7.39	0.48	154.23	-956.95	-956.92	154.20	5.71
8	54	1039	-12.41	-50.39	-49.89	-12.91	4.32	-161.02	-737.56	-718.79	-179.79	102.31
8	54	1040	-8.35	-43.74	-43.24	-8.85	4.20	-152.91	-353.08	-341.35	-164.64	47.02
8	54	1041	-12.08	-40.63	-40.48	-12.23	2.07	-104.87	-143.52	-104.95	-143.44	1.81
8	54	1042	-15.63	-39.68	-39.63	-15.68	1.02	122.21	-91.23	120.83	-89.85	-17.08
8	54	1043	-21.23	-39.99	-39.99	-21.23	9.31e-02	486.89	13.20	486.06	14.03	-19.83
8	54	1044	-35.64	-41.56	-41.50	-35.71	0.59	1385.11	234.68	1385.09	234.70	-4.54
8	54	1045	-11.25	-43.66	-11.38	-43.52	2.11	146.78	-401.51	144.41	-399.14	35.98
8	54	1048	-10.57	-35.43	-10.64	-35.36	-1.27	42.02	-204.91	41.77	-204.66	-7.78
8	54	1049	-59.84	-80.35	-75.40	-64.79	8.78	2966.36	367.45	2961.24	372.57	-115.24
8	54	1050	-16.17	-74.79	-74.77	-16.19	-1.04	2039.94	184.79	2039.09	185.64	-39.79
8	54	1051	-13.57	-65.68	-63.74	-15.51	-9.85	1034.49	107.66	1008.95	133.19	151.70
8	54	1052	-16.05	-66.33	-59.26	-23.12	-17.48	158.14	48.52	152.45	54.21	24.32
8	54	1053	-23.99	-66.80	-37.53	-53.27	-19.90	12.06	-453.62	-62.24	-379.33	-170.53
8	54	1054	-22.02	-28.63	-24.27	-26.37	3.14	375.84	-94.56	370.78	-89.50	48.53
8	54	1055	-19.90	-32.03	-28.38	-23.55	5.56	1134.53	99.37	1126.64	107.27	-90.08
8	54	1056	-13.18	-49.65	-44.98	-17.86	12.19	792.55	-94.39	730.55	-32.39	-226.15
8	54	1057	-6.28	-55.87	-55.87	-6.28	0.41	126.97	-384.53	-368.45	110.90	89.24
8	54	1058	-6.60	-56.03	-56.01	-6.62	0.92	141.13	-911.42	-911.25	140.97	13.31
8	54	1059	-10.00	-47.12	-44.82	-12.29	-8.93	-149.71	-747.89	-656.87	-240.73	-214.85
8	54	1060	-9.90	-38.29	-37.13	-11.07	-5.62	-106.38	-313.91	-260.32	-159.97	-90.83
8	54	1061	-13.34	-37.31	-37.09	-13.57	-2.30	-65.44	-142.20	-68.74	-138.91	-15.56
8	54	1062	-16.44	-37.63	-37.62	-16.44	-0.20	138.05	-83.77	136.49	-82.21	18.51
8	54	1063	-21.32	-38.99	-38.94	-21.38	1.00	490.02	20.72	488.34	22.40	27.99
8	54	1064	-34.73	-40.52	-40.52	-34.74	0.11	1371.02	237.84	1371.01	237.84	0.75
8	54	1065	-31.15	-66.57	-49.59	-48.14	-17.70	-232.71	-811.75	-412.21	-632.26	-267.80
8	54	1066	-13.69	-38.30	-38.27	-13.72	-0.85	120.72	-648.02	-643.89	116.59	56.18
8	54	1067	-13.30	-30.93	-30.52	-13.71	-2.65	120.85	-607.38	-607.19	120.67	11.65
8	54	1068	-20.87	-41.24	-28.61	-33.50	9.89	-64.13	-399.49	-112.42	-351.20	117.74
8	54	1069	-60.14	-75.34	-61.57	-73.92	4.43	2363.29	397.55	2358.93	401.92	-92.51
8	54	1070	0.99	-50.30	-50.30	0.99	-0.16	2776.17	13.11	2415.16	374.12	-931.21
8	54	1071	-9.46	-62.66	-58.66	-13.46	-14.02	858.13	-5.09	818.43	34.60	180.80
8	54	1072	-8.31	-55.16	-51.45	-12.02	-12.64	289.21	144.13	238.00	195.34	69.33
8	54	1073	-36.77	-114.14	-67.77	-83.14	-37.91	-115.46	-911.51	-279.78	-747.19	-322.19
8	54	1074	-23.85	-49.49	-42.02	-31.32	-11.65	-283.06	-370.95	-316.21	-337.80	-42.59
8	54	1075	-14.22	-41.77	-38.49	-17.50	-8.92	120.87	-798.33	-790.77	113.31	83.02
8	54	1076	-17.90	-35.93	-35.79	-18.04	-1.58	87.74	-578.97	-564.79	73.56	96.19
8	54	1077	-23.66	-32.55	-25.29	-30.92	3.45	106.18	-314.80	65.91	-274.53	123.82
8	54	1078	-21.04	-29.50	-24.14	-26.40	4.07	406.59	-143.11	366.36	-102.89	143.15
8	54	1079	-51.86	-73.35	-51.99	-73.22	-1.63	2300.66	728.12	2236.81	791.97	-310.37
8	54	1080	18.29	-31.52	-24.56	11.33	-17.27	600.23	-280.03	-103.88	424.09	-352.17
8	54	1083	-8.96	-107.00	-16.38	-99.57	-25.95	129.38	-780.38	106.52	-757.52	-142.40
8	54	1084	-19.71	-27.84	-22.70	-24.85	3.92	417.75	-184.42	327.70	-94.37	214.75
8	54	1085	-16.70	-24.76	-20.77	-20.68	4.03	747.60	201.41	747.55	201.46	5.03
8	54	1086	-5.77	-14.55	-14.48	-5.84	-0.76	152.87	-56.50	-55.97	152.34	10.52
8	54	1089	-4.85	-15.33	-14.10	-6.09	3.38	172.12	-221.21	168.79	-217.88	36.08
8	54	1090	-14.13	-22.41	-19.64	-16.90	3.91	96.74	-269.75	92.39	-265.40	39.72
8	54	1091	-15.85	-26.90	-24.45	-18.30	4.59	112.11	-188.88	90.14	-166.90	78.30
8	54	1092	-16.70	-31.06	-28.59	-19.16	5.42	217.19	-118.20	186.64	-87.64	96.50
8	54	1093	-18.75	-35.50	-33.47	-20.78	5.47	467.14	5.09	451.10	21.13	84.58
8	54	1094	-30.77	-37.66	-37.59	-30.84	0.69	1237.97	221.33	1237.96	221.33	2.23
8	54	1095	-8.96	-49.25	-11.97	-46.24	-10.59	-21.16	-467.58	-23.83	-464.91	34.41
8	54	1096	-17.31	-37.65	-29.37	-25.59	-9.99	103.19	-736.66	-736.45	102.98	13.08
8	54	1097	-19.85	-33.64	-33.62	-19.87	-0.46	76.96	-633.32	-632.56	76.20	-23.21
8	54	1098	-25.53	-41.92	-29.66	-37.80	-7.11	247.32	-176.51	194.53	-123.71	139.96
8	54	1099	-11.39	-47.01	-27.34	-31.06	-17.71	1265.84	670.50	1154.09	782.25	232.47
8	54	1100	15.78	-43.07	-20.28	-7.00	-28.67	540.28	-59.93	53.98	426.37	235.35
8	54	1103	-3.45	-89.55	-11.73	-81.28	-25.38	205.11	52.94	121.55	136.50	-75.72
8	54	1104	-20.28	-24.43	-21.84	-22.87	2.01	514.64	-198.56	185.48	130.60	355.55
8	54	1105	-10.73	-21.17	-20.88	-11.02	-1.72	532.72	179.46	489.40	222.78	115.88
8	54	1106	-0.12	-14.26	-14.17	-0.20	-1.09	173.89	18.37	22.94	169.32	-26.26

8	54	1109	-10.53	-17.34	-11.06	-16.81	1.82	155.81	-210.89	139.81	-194.90	74.91
8	54	1110	-7.76	-31.54	-17.09	-22.21	11.61	240.84	-343.28	86.34	-188.78	257.64
8	54	1111	-7.16	-33.31	-20.41	-20.07	13.07	230.42	-265.58	77.71	-112.87	228.96
8	54	1112	-7.67	-34.32	-23.21	-18.78	13.14	267.90	-174.59	146.67	-53.36	197.35
8	54	1113	-9.38	-34.85	-26.96	-17.27	11.78	402.08	-24.95	348.68	28.45	141.25
8	54	1114	-20.63	-31.32	-30.76	-21.19	2.38	984.96	190.17	984.96	190.17	0.19
8	54	1115	-5.75	-97.88	-8.46	-95.18	-15.56	491.70	-122.70	22.55	346.45	-261.04
8	54	1118	-10.81	-50.18	-10.86	-50.14	1.34	307.36	-199.10	2.81	105.44	247.98
8	54	1119	33.32	-17.54	-9.14	24.93	-18.88	1039.95	23.08	595.62	467.42	504.38
8	54	1120	10.20	-56.51	-7.47	-38.84	-29.43	645.04	-304.20	-51.73	392.58	419.42
8	54	1123	-7.67	-58.86	-12.11	-54.41	-14.42	1604.23	-46.15	-37.80	1595.88	-117.15
8	54	1124	-12.51	-18.34	-18.05	-12.81	1.28	466.51	-123.77	-19.48	362.23	225.12
8	54	1125	5.24	-26.70	-25.46	4.01	-6.16	368.24	181.90	328.30	221.84	76.47
8	54	1126	-2.09	-42.99	-38.13	-6.96	-13.24	192.38	-23.52	192.10	-23.24	-7.74
8	54	1127	-5.57	-33.00	-31.16	-7.41	-6.86	149.47	-117.79	-57.88	89.57	-111.45
8	54	1128	-8.72	-19.82	-19.37	-9.18	-2.20	75.06	-113.92	-110.67	71.81	-24.57
8	54	1129	-14.02	-47.73	-26.60	-35.14	16.30	68.32	-369.45	-342.20	41.08	105.75
8	54	1130	-7.93	-35.81	-20.77	-22.97	13.90	287.82	-341.37	-165.53	111.98	282.35
8	54	1131	-4.81	-34.74	-19.14	-20.41	14.95	258.23	-247.44	-47.34	58.13	247.27
8	54	1132	-2.66	-32.93	-18.41	-17.19	15.12	269.00	-170.77	51.17	47.06	219.87
8	54	1133	-0.98	-29.69	-17.79	-12.87	14.14	316.15	-43.81	206.88	65.46	165.51
8	54	1134	-4.45	-18.84	-17.83	-5.46	3.67	616.06	150.41	616.06	150.41	0.26
8	54	1135	-10.09	-115.53	-21.96	-103.66	-33.33	1992.80	217.22	291.00	1919.01	354.36
8	54	1136	22.62	-30.68	22.45	-30.51	-3.00	359.65	-217.38	338.04	-195.77	-109.54
8	54	1137	12.37	-25.68	12.30	-25.61	-1.62	382.00	-205.25	381.59	-204.84	-15.49
8	54	1138	-14.92	-57.49	-22.13	-50.28	15.97	1079.10	-69.42	-49.26	1058.94	-150.83
8	54	1139	52.49	12.74	12.76	52.47	-0.89	457.75	-274.48	205.02	-21.75	348.12
8	54	1140	-11.75	-71.58	-44.07	-39.26	-29.82	1626.84	36.51	1004.41	658.93	776.17
8	54	1141	10.72	-38.15	-20.00	-7.42	-23.61	204.81	-76.21	201.66	-73.05	-29.60
8	54	1142	25.02	-34.00	12.77	-21.76	-23.93	266.54	-280.41	212.72	-226.58	162.91
8	54	1143	21.38	-50.75	19.86	-49.22	-10.38	2381.38	156.86	312.77	2225.47	-567.91
8	54	1144	8.35	-88.23	-2.52	-77.36	-30.52	1648.87	-263.27	89.89	1295.71	742.00
8	54	1145	-3.49	-38.35	-4.00	-37.84	-4.18	673.51	221.64	663.50	231.65	-66.52
8	54	1146	-6.52	-34.23	-9.60	-31.14	8.71	857.31	-147.05	499.98	210.28	-480.84
8	54	1147	-4.77	-43.54	-9.73	-38.58	12.95	1166.38	-366.32	-218.27	1018.33	-452.76
8	54	1148	-9.55	-14.48	-14.27	-9.75	0.99	502.27	-5.96	-5.84	502.14	7.95
8	54	1149	43.27	16.19	19.51	39.95	8.89	287.96	-311.97	92.61	-116.62	281.13
8	54	1150	13.25	-17.55	7.24	-11.53	-12.21	1045.20	-302.81	415.42	326.97	672.55
8	54	1151	29.50	-45.26	-5.30	-10.47	-37.29	769.36	-74.80	452.82	241.74	408.67
8	54	1152	23.06	-47.34	0.65	-24.93	-32.80	598.59	265.79	528.91	335.47	135.41
8	54	1153	-2.71	-49.41	-3.57	-48.54	-6.30	1808.21	6.36	142.19	1672.38	-475.71
8	54	1154	-4.56	-80.22	-10.82	-73.96	-20.85	1838.67	187.36	274.17	1751.87	368.52
8	54	1155	-19.48	-49.07	-21.61	-46.94	-7.64	1045.86	571.20	581.00	1036.05	-67.51
8	54	1156	-13.89	-43.24	-17.77	-39.37	9.93	1263.52	50.30	422.89	890.93	-559.65
8	54	1157	-3.94	-37.21	-9.02	-32.13	11.96	1186.71	-222.90	23.09	940.72	-535.02
8	54	1158	-5.78	-7.06	-6.86	-5.98	0.46	552.81	-3.72	49.53	499.56	-163.70
8	54	1159	15.05	-12.12	-11.01	13.94	-5.37	274.55	102.59	226.17	150.97	-77.32
8	54	1160	4.04	-17.52	-13.04	-0.44	-8.75	304.79	-47.08	176.65	81.06	-169.32
8	54	1161	-5.85	-28.02	-19.30	-14.56	-10.83	331.77	-51.17	42.74	237.87	-164.75
8	54	1162	-22.78	-24.82	-24.47	-23.12	0.76	364.95	-49.71	-31.58	346.82	-84.80
8	54	1163	-14.29	-33.50	-18.31	-29.48	7.81	386.47	-48.90	-48.83	386.40	-5.47
8	54	1164	-11.56	-32.62	-16.35	-27.82	8.83	363.94	-65.34	-53.87	352.47	69.24
8	54	1165	-7.64	-29.18	-14.04	-22.78	9.85	335.53	-40.19	-2.13	297.47	113.37
8	54	1166	-3.02	-24.81	-11.01	-16.82	10.50	298.01	-15.62	50.08	232.31	127.63
8	54	1167	1.63	-17.24	-7.24	-8.37	9.42	258.31	19.48	122.17	155.62	118.24
8	54	1168	6.95	-1.56	-1.15	6.54	1.83	227.05	100.14	226.10	101.08	10.93
8	54	1169	48.70	17.28	37.52	28.47	15.04	-167.33	-204.40	-175.75	-195.99	15.53
8	54	1170	66.93	15.39	65.49	16.83	-8.50	284.14	-82.10	151.08	50.96	176.14
8	54	1171	40.29	-19.75	31.09	-10.55	-21.62	713.05	370.65	460.00	623.70	150.37
8	54	1172	-7.59	-46.03	-21.01	-32.60	-18.32	1355.84	595.37	599.00	1352.22	52.40
8	54	1173	-37.82	-60.00	-41.04	-56.79	-7.81	2071.52	416.97	416.97	2071.52	0.48
8	54	1174	-39.57	-70.33	-42.87	-67.03	-9.51	2419.40	472.90	472.93	2419.37	7.60
8	54	1175	-46.67	-64.39	-53.04	-58.02	-8.50	2222.27	700.99	702.29	2220.98	-44.41
8	54	1176	-38.55	-46.06	-38.63	-45.99	-0.75	1841.08	531.26	544.94	1827.40	-133.16
8	54	1177	-8.79	-27.96	-8.79	-27.95	0.19	1279.14	194.15	213.38	1259.90	-143.18
8	54	1178	13.84	-0.13	13.21	0.49	-2.89	571.37	60.37	77.24	554.50	-91.30
8	54	1179	22.02	7.16	17.09	12.09	-6.99	169.46	70.16	148.24	91.37	-40.70
8	54	1180	10.27	0.47	9.51	1.23	-2.62	176.08	141.72	151.28	166.53	-15.40
8	54	1181	-13.14	-17.72	-13.30	-17.56	-0.84	497.47	116.81	116.89	497.39	-5.46
8	54	1182	-26.78	-31.60	-30.05	-28.34	2.25	756.58	91.30	91.32	756.55	-4.33
8	54	1183	-25.48	-33.58	-28.05	-31.01	3.77	815.92	79.04	79.05	815.91	-3.11
8	54	1184	-20.64	-28.17	-21.50	-27.31	2.39	732.44	83.71	83.77	732.38	6.12
8	54	1185	-13.77	-23.38	-14.29	-22.86	2.18	625.65	97.12	97.20	625.56	6.53
8	54	1186	-6.69	-17.37	-7.31	-16.75	2.49	493.82	113.25	113.40	493.67	7.54
8	54	1187	5.23	-6.30	4.52	-5.59	2.78	273.71	123.47	124.17	273.01	10.24
8	54	1188	16.72	0.46	10.23	6.95	-7.96	101.07	52.31	99.44	53.94	8.75
8	55	920	35.55	14.52	26.10	23.96	-10.46	-80.30	-88.83	-84.46	-84.68	-4.27
8	55	921	35.22	12.64	33.45	14.40	6.07	337.35	33.22	125.56	245.01	-139.84
8	55	922	20.40	-17.09	18.70	-15.39	7.79	1005.25	287.89	319.25	973.88	-146.68

8	55	923	-3.50	-44.90	-4.77	-43.63	7.13	1804.37	386.39	399.50	1791.26	-135.75
8	55	924	-20.15	-66.83	-21.75	-65.24	8.48	2428.43	354.79	366.72	2416.50	-156.84
8	55	925	-28.75	-70.40	-35.67	-63.48	15.50	2461.20	534.92	570.25	2425.87	-258.47
8	55	926	-49.40	-65.45	-59.27	-55.57	7.81	2086.54	872.28	874.71	2084.11	-54.31
8	55	927	-31.14	-54.37	-39.98	-45.53	-11.28	1899.46	481.02	644.99	1735.49	453.53
8	55	928	2.89	-30.46	0.81	-28.38	-8.07	1441.75	37.97	163.76	1315.97	400.94
8	55	929	17.70	0.79	17.59	0.89	-1.32	634.04	0.84	41.02	593.86	154.36
8	55	930	24.53	14.44	23.74	15.23	2.72	201.04	47.59	152.59	96.04	71.32
8	55	931	13.10	1.92	12.85	2.17	-1.65	195.62	127.42	149.22	173.83	31.80
8	55	932	-7.29	-19.44	-9.16	-17.56	-4.39	501.94	107.13	108.27	500.80	21.24
8	55	933	-19.22	-34.47	-23.77	-29.92	-6.97	765.21	89.69	89.92	764.98	12.48
8	55	934	-18.78	-36.79	-23.12	-32.46	-7.70	818.44	93.53	93.58	818.39	6.08
8	55	935	-14.26	-31.38	-17.24	-28.40	-6.49	732.67	98.49	98.52	732.65	3.75
8	55	936	-8.65	-26.26	-11.15	-23.76	-6.15	629.00	105.53	105.58	628.94	5.22
8	55	937	-1.87	-19.96	-4.04	-17.79	-5.88	498.42	109.13	109.22	498.33	6.09
8	55	938	7.41	-8.57	5.93	-7.10	-4.62	287.00	112.63	112.71	286.92	3.80
8	55	939	17.06	1.45	11.11	7.40	7.58	71.89	64.23	71.73	64.39	1.09
8	55	940	25.80	14.32	14.96	25.17	2.62	369.04	30.30	281.92	117.42	-148.06
8	55	941	15.18	-8.96	4.14	2.08	12.03	536.79	71.26	314.60	293.45	-232.52
8	55	942	12.27	-32.70	-2.99	-17.44	21.30	627.30	267.99	291.21	604.09	-88.33
8	55	943	0.90	-51.95	-9.87	-41.18	21.29	1026.86	241.38	242.75	1025.49	-32.84
8	55	944	-11.49	-65.50	-16.79	-60.20	16.07	1484.56	114.24	114.26	1484.54	-5.30
8	55	945	0.57	-18.21	-14.23	-3.42	-7.68	491.00	-8.88	-8.10	490.21	19.77
8	55	946	12.72	-17.50	-17.46	12.68	-0.99	316.07	175.74	296.93	194.88	48.16
8	55	947	1.95	-17.96	-16.69	0.69	4.85	348.97	-82.26	192.73	73.99	207.28
8	55	948	-8.95	-23.23	-18.64	-13.54	6.67	323.97	-147.85	-1.58	177.70	218.21
8	55	949	-17.27	-26.14	-21.30	-22.11	-4.42	273.26	-129.01	-104.32	248.58	96.55
8	55	950	-9.13	-36.68	-15.90	-29.91	-11.86	262.37	-95.30	-94.81	261.88	-13.29
8	55	951	-7.33	-36.42	-15.66	-28.09	-13.15	254.22	-102.27	-80.77	232.72	-84.86
8	55	952	-4.35	-34.18	-14.91	-23.62	-14.26	248.18	-77.93	-22.21	192.46	-122.75
8	55	953	-1.16	-30.92	-13.31	-18.77	-14.63	240.53	-46.90	40.12	153.51	-132.06
8	55	954	1.13	-24.37	-10.74	-12.50	-12.72	236.25	7.76	126.37	117.64	-114.16
8	55	955	1.87	-7.02	-5.77	0.62	-3.09	317.00	115.72	315.94	116.78	14.58
8	55	956	-9.77	-96.34	-21.40	-84.72	29.52	1948.81	-91.43	151.61	1705.78	-660.90
8	55	957	12.02	-28.61	11.81	-28.40	-2.92	606.21	-160.52	606.19	-160.50	3.21
8	55	958	4.78	-29.38	7.49e-02	-24.67	-11.77	663.30	-302.26	502.86	-141.82	359.40
8	55	959	-11.09	-70.78	-27.60	-54.27	-26.70	1426.94	-215.99	-43.85	1254.79	503.18
8	55	960	9.36	-16.29	-15.42	8.49	4.63	1110.49	305.39	1079.19	336.69	-155.63
8	55	961	8.47	-33.02	-17.14	-7.42	20.17	683.61	266.87	654.47	296.01	-106.26
8	55	962	5.04	-45.86	-19.42	-21.40	25.43	521.99	217.86	379.86	359.99	151.74
8	55	963	-2.00	-56.62	-19.60	-39.02	25.53	658.79	55.96	206.22	508.53	260.77
8	55	964	-9.60	-71.34	-20.26	-60.68	23.33	939.90	-57.00	120.63	762.27	381.48
8	55	965	-5.51	-30.86	-20.84	-15.53	-12.39	566.66	-125.85	99.51	341.29	-324.47
8	55	966	0.92	-24.23	-24.16	0.84	-1.36	500.10	160.15	442.94	217.31	-127.14
8	55	967	-3.75	-36.90	-34.89	-5.76	7.91	254.16	-32.36	253.92	-32.11	-8.36
8	55	968	-7.05	-32.45	-32.30	-7.20	1.94	161.64	-164.15	-96.47	93.96	132.17
8	55	969	-8.79	-25.71	-25.48	-9.02	-1.96	93.56	-170.85	-165.45	88.16	37.39
8	55	970	-14.87	-53.48	-32.84	-35.52	-19.26	10.08	-401.88	-356.06	-35.73	-129.51
8	55	971	-7.53	-41.63	-25.87	-23.30	-17.00	216.69	-337.86	-159.16	37.99	-259.16
8	55	972	-5.23	-40.44	-23.80	-21.86	-17.58	199.13	-240.31	-40.43	-0.74	-218.82
8	55	973	-4.33	-38.73	-22.92	-20.14	-17.14	225.81	-154.84	65.46	5.51	-187.95
8	55	974	-5.32	-35.50	-22.58	-18.23	-14.93	307.21	-23.91	241.36	41.94	-132.17
8	55	975	-17.15	-25.58	-23.96	-18.77	-3.32	730.99	153.29	730.24	154.05	20.87
8	55	976	-6.92	-83.90	-7.53	-83.29	6.81	752.16	-74.10	6.07	672.00	244.57
8	55	979	-5.84	-54.82	-9.45	-51.21	-12.80	485.03	-103.61	35.81	345.61	-250.26
8	55	980	-17.10	-44.01	-43.46	-17.65	3.82	1970.44	455.65	1958.19	467.90	-135.68
8	55	981	-4.78	-51.45	-40.88	-15.35	19.53	1089.23	288.73	1084.95	293.01	-58.35
8	55	982	-5.54	-53.25	-35.59	-23.20	23.04	638.53	98.31	540.21	196.63	208.44
8	55	983	-10.48	-54.96	-28.52	-36.91	21.84	514.22	-146.82	241.70	125.70	325.39
8	55	984	-12.66	-58.86	-19.59	-51.93	16.50	472.42	-320.62	153.07	-1.27	388.93
8	55	985	-10.72	-30.33	-17.33	-23.72	-9.27	471.28	-201.43	262.17	7.69	-311.36
8	55	986	-11.70	-21.35	-18.78	-14.27	-4.27	626.53	183.04	585.72	223.85	-128.19
8	55	987	-3.32	-14.35	-13.77	-3.90	-2.46	192.11	13.06	13.82	191.35	11.66
8	55	990	-9.86	-17.88	-12.83	-14.91	-3.87	140.38	-204.55	135.77	-199.93	-39.61
8	55	991	-7.80	-34.40	-19.36	-22.83	-13.19	189.53	-330.86	79.57	-220.91	-212.44
8	55	992	-8.94	-37.32	-23.70	-22.56	-14.18	185.48	-242.94	79.97	-137.42	-184.58
8	55	993	-11.24	-38.84	-27.06	-23.03	-13.65	240.97	-150.69	161.54	-71.26	-157.48
8	55	994	-15.98	-39.37	-30.86	-24.48	-11.25	412.20	-11.55	382.25	18.40	-108.60
8	55	995	-33.19	-37.91	-35.14	-35.96	-2.33	1070.03	190.12	1069.81	190.34	13.95
8	55	996	-15.78	-47.19	-16.10	-46.87	-3.16	125.75	-113.89	108.59	-96.72	61.80
8	55	997	-20.37	-28.14	-25.40	-23.11	3.71	86.42	-689.87	-684.67	81.22	-63.32
8	55	998	-15.13	-29.31	-23.27	-21.17	-7.01	81.94	-636.77	-635.38	80.55	-31.66
8	55	999	-13.43	-30.17	-13.55	-30.05	-1.42	248.20	-138.19	175.32	-65.30	-151.16
8	55	1000	-38.45	-63.57	-63.11	-38.91	3.37	2647.58	547.24	2643.07	551.75	-97.24
8	55	1001	-17.19	-64.05	-59.60	-21.64	13.73	1459.62	288.59	1458.03	290.19	-43.23
8	55	1002	-16.67	-55.97	-49.97	-22.67	14.13	750.50	57.92	704.90	103.51	171.76
8	55	1003	-23.96	-46.75	-37.05	-33.66	11.27	394.85	-210.80	263.65	-79.60	249.49
8	55	1004	-23.12	-44.14	-25.35	-41.90	6.48	138.63	-345.89	36.37	-243.63	197.71
8	55	1005	-16.77	-29.50	-22.53	-23.74	-6.34	400.58	-103.08	362.88	-65.38	-132.55

8	55	1006	-13.18	-29.81	-20.41	-22.58	-8.24	851.26	236.11	847.22	240.15	49.71
8	55	1007	-11.48	-17.16	-16.47	-12.17	-1.86	129.50	1.00	11.94	118.55	35.87
8	55	1010	-3.35	-16.49	-15.47	-4.38	-3.52	147.71	-215.37	146.61	-214.26	-20.03
8	55	1011	-17.63	-24.25	-23.20	-18.68	-2.41	44.16	-279.42	44.16	-279.42	0.80
8	55	1012	-19.41	-29.96	-28.38	-20.98	-3.76	81.89	-187.60	71.83	-177.54	-51.07
8	55	1013	-21.40	-34.73	-32.56	-23.57	-4.92	206.70	-115.63	190.20	-99.14	-71.02
8	55	1014	-25.97	-39.11	-36.66	-28.41	-5.11	480.59	1.46	471.86	10.19	-64.08
8	55	1015	-40.75	-46.01	-41.01	-45.74	-1.15	1289.30	213.35	1289.27	213.38	5.48
8	55	1016	-22.67	-50.36	-30.37	-42.66	12.41	-189.36	-593.84	-375.96	-407.24	201.63
8	55	1017	-14.10	-27.85	-27.41	-14.55	-2.43	153.73	-621.14	-617.75	150.33	-51.19
8	55	1018	-13.51	-30.36	-29.77	-14.11	-3.10	149.11	-551.81	-545.65	142.96	-65.39
8	55	1019	-18.00	-46.10	-31.62	-32.48	-14.05	-48.07	-446.67	-161.82	-332.93	-180.01
8	55	1020	-15.62	-49.56	-42.83	-22.34	-13.53	831.74	-113.19	704.21	14.34	322.86
8	55	1021	-5.31	-55.00	-55.00	-5.31	3.43e-02	88.07	-399.04	-383.79	72.82	-84.84
8	55	1022	-6.02	-57.03	-57.01	-6.05	-1.12	127.45	-820.30	-817.90	125.05	-47.62
8	55	1023	-8.46	-52.66	-49.23	-11.90	11.84	-169.81	-819.84	-682.14	-307.51	265.61
8	55	1024	-11.88	-38.94	-38.02	-12.80	4.92	-127.82	-289.33	-225.38	-191.77	78.98
8	55	1025	-16.94	-38.55	-38.45	-17.05	1.52	-34.91	-170.94	-35.27	-170.58	6.98
8	55	1026	-21.45	-39.24	-39.21	-21.48	-0.76	159.60	-111.28	157.72	-109.39	-22.52
8	55	1027	-28.35	-41.01	-40.84	-28.52	-1.48	495.73	-2.38	494.14	-0.79	-28.09
8	55	1028	-42.07	-49.65	-42.60	-49.12	-1.93	1372.90	216.55	1372.89	216.57	3.90
8	55	1029	-50.28	-74.68	-73.77	-51.19	4.63	2993.05	541.14	2991.74	542.44	-56.64
8	55	1030	-21.85	-72.14	-71.27	-22.72	6.55	1717.04	254.26	1715.84	255.46	-41.90
8	55	1031	-18.80	-60.45	-60.38	-18.87	1.66	859.67	54.15	839.64	74.18	125.45
8	55	1032	-30.09	-46.16	-45.32	-30.92	-3.57	291.72	-170.09	247.07	-125.45	136.47
8	55	1033	-28.41	-47.75	-28.63	-47.53	-2.06	-2.42	-422.69	-27.80	-397.31	100.10
8	55	1034	-20.99	-31.40	-25.55	-26.83	-5.17	359.72	-95.95	356.02	-92.25	-40.91
8	55	1035	-20.73	-33.40	-30.75	-23.38	-5.15	1247.87	61.20	1242.45	66.61	79.96
8	55	1036	-17.74	-48.79	-47.58	-18.95	-6.01	835.39	-97.01	832.88	-94.51	48.25
8	55	1037	-7.47	-59.14	-59.14	-7.47	0.18	142.76	-298.12	-293.07	137.70	-46.94
8	55	1038	-7.85	-59.95	-59.95	-7.85	-0.18	156.47	-911.39	-911.36	156.43	6.12
8	55	1039	-11.76	-52.33	-51.99	-12.11	3.72	-165.00	-692.07	-667.05	-190.02	112.07
8	55	1040	-9.82	-45.69	-45.33	-10.18	3.58	-159.71	-317.52	-299.55	-177.68	50.12
8	55	1041	-15.20	-42.39	-42.34	-15.25	1.18	-72.88	-158.06	-73.14	-157.80	4.71
8	55	1042	-20.46	-41.41	-41.41	-20.46	-7.80e-02	146.84	-103.84	146.12	-103.13	-13.39
8	55	1043	-28.47	-41.53	-41.44	-28.56	-1.11	499.61	1.94	499.09	2.47	-16.11
8	55	1044	-43.50	-49.31	-43.57	-49.24	-0.63	1389.06	221.51	1389.06	221.51	-1.11
8	55	1045	-10.01	-45.68	-10.01	-45.68	0.27	134.43	-438.24	133.34	-437.15	24.98
8	55	1048	-10.44	-32.90	-11.16	-32.18	-3.95	47.94	-205.96	47.63	-205.65	-8.89
8	55	1049	-53.36	-75.99	-72.37	-56.99	8.30	2911.31	356.92	2906.48	361.76	-111.06
8	55	1050	-13.42	-72.09	-72.07	-13.44	-1.15	1984.61	172.92	1984.11	173.41	-30.00
8	55	1051	-12.53	-62.45	-60.60	-14.39	-9.44	982.47	100.50	955.42	127.56	152.08
8	55	1052	-15.51	-63.47	-56.44	-22.55	-16.97	112.42	40.06	106.64	45.84	19.61
8	55	1053	-22.14	-65.55	-35.29	-52.40	-19.95	-15.58	-498.92	-100.58	-413.92	-184.00
8	55	1054	-23.34	-26.51	-24.65	-25.20	1.56	393.10	-87.53	387.48	-81.91	51.66
8	55	1055	-19.65	-32.09	-29.18	-22.55	5.26	1159.36	104.93	1152.06	112.22	-87.42
8	55	1056	-15.42	-51.73	-46.29	-20.86	12.95	819.94	-88.39	756.26	-24.71	-231.92
8	55	1057	-6.49	-57.59	-57.59	-6.49	0.22	130.04	-354.63	-337.51	112.92	89.46
8	55	1058	-6.93	-58.65	-58.65	-6.94	0.45	142.29	-860.84	-860.64	142.09	14.18
8	55	1059	-9.34	-49.34	-47.11	-11.57	-9.18	-147.60	-716.13	-608.00	-255.73	-223.12
8	55	1060	-11.08	-40.47	-39.27	-12.29	-5.84	-102.41	-296.47	-223.64	-175.24	-93.97
8	55	1061	-16.16	-39.43	-39.12	-16.46	-2.63	-35.53	-155.63	-37.77	-153.39	-16.26
8	55	1062	-20.98	-39.53	-39.50	-21.01	-0.72	162.62	-96.03	161.45	-94.86	17.36
8	55	1063	-28.51	-40.44	-40.44	-28.51	8.39e-02	502.88	10.31	501.49	11.70	26.09
8	55	1064	-42.35	-47.94	-42.57	-47.72	-1.09	1375.66	225.66	1375.66	225.66	-0.19
8	55	1065	-31.09	-67.24	-48.08	-50.25	-18.04	-254.52	-866.71	-450.89	-670.34	-285.75
8	55	1066	-13.23	-36.25	-36.17	-13.31	-1.33	128.92	-621.26	-616.42	124.09	60.03
8	55	1067	-12.59	-29.28	-28.56	-13.31	-3.39	120.67	-592.20	-591.80	120.26	17.05
8	55	1068	-19.70	-37.24	-27.07	-29.87	8.66	-52.36	-395.75	-100.92	-347.19	119.65
8	55	1069	-57.32	-67.83	-59.27	-65.87	4.09	2319.34	385.85	2314.73	390.47	-94.37
8	55	1070	3.03	-48.53	-48.53	3.03	-0.23	2716.94	1.54	2362.16	356.32	-915.16
8	55	1071	-8.83	-59.40	-55.64	-12.59	-13.26	804.44	-9.43	760.92	34.09	183.10
8	55	1072	-7.97	-50.83	-47.47	-11.33	-11.52	251.95	131.59	188.66	194.88	60.10
8	55	1073	-34.50	-110.62	-63.79	-81.33	-37.04	-144.18	-980.22	-325.33	-799.07	-344.43
8	55	1074	-24.64	-47.96	-39.79	-32.81	-11.12	-302.74	-400.39	-334.18	-368.94	-45.62
8	55	1075	-13.60	-40.05	-36.48	-17.17	-9.04	126.87	-777.09	-768.56	118.33	87.42
8	55	1076	-17.57	-34.63	-34.41	-17.79	-1.92	88.78	-566.13	-550.42	73.07	100.23
8	55	1077	-22.53	-29.85	-24.32	-28.06	3.15	119.41	-315.00	76.56	-272.16	129.52
8	55	1078	-20.77	-28.20	-23.89	-25.08	3.66	425.33	-139.20	382.31	-96.18	149.79
8	55	1079	-49.89	-65.74	-50.00	-65.63	-1.32	2283.96	710.84	2215.58	779.22	-320.76
8	55	1080	19.90	-30.22	-23.61	13.29	-16.96	576.00	-297.20	-126.13	404.94	-346.57
8	55	1083	-7.83	-104.71	-14.78	-97.77	-24.99	125.78	-831.06	105.94	-811.22	-136.34
8	55	1084	-18.95	-27.58	-22.90	-23.63	4.30	437.34	-183.32	342.58	-88.56	223.23
8	55	1085	-15.36	-25.26	-20.90	-19.71	4.91	764.00	207.18	763.70	207.47	12.90
8	55	1086	-8.30	-14.80	-14.47	-8.63	1.43	160.66	-46.65	-46.38	160.39	7.42
8	55	1089	-3.33	-16.56	-15.10	-4.79	4.14	171.15	-236.47	169.33	-234.64	27.24
8	55	1090	-14.67	-24.48	-21.01	-18.14	4.69	103.01	-284.64	99.78	-281.41	35.25
8	55	1091	-17.55	-29.27	-25.94	-20.87	5.28	123.64	-197.83	106.20	-180.39	72.83
8	55	1092	-19.95	-33.47	-30.25	-23.17	5.76	229.41	-122.80	205.51	-98.90	88.59

8	55	1093	-24.65	-37.36	-34.94	-27.07	4.99	475.44	-0.46	462.88	12.10	76.29
8	55	1094	-39.56	-42.65	-39.60	-42.61	-0.36	1242.83	211.09	1242.80	211.12	-5.36
8	55	1095	-8.49	-50.03	-10.69	-47.83	-9.31	-25.45	-501.42	-29.38	-497.48	43.11
8	55	1096	-16.34	-35.93	-27.15	-25.12	-9.74	108.68	-741.87	-741.44	108.25	19.17
8	55	1097	-19.15	-32.03	-32.01	-19.16	-0.40	75.69	-617.47	-616.85	75.07	-20.72
8	55	1098	-24.40	-38.95	-28.58	-34.77	-6.58	263.50	-176.14	206.11	-118.74	148.12
8	55	1099	-8.82	-41.89	-25.70	-25.00	-16.53	1240.93	670.71	1142.69	768.94	215.33
8	55	1100	16.37	-40.51	-19.38	-4.76	-27.48	516.39	-58.92	42.86	414.62	219.53
8	55	1103	-3.68	-87.56	-11.05	-80.18	-23.75	193.67	47.53	122.25	118.95	-73.05
8	55	1104	-18.27	-25.13	-21.55	-21.86	3.43	534.61	-203.74	196.03	134.83	367.91
8	55	1105	-10.14	-20.35	-20.30	-10.20	0.77	551.25	179.72	502.29	228.68	125.68
8	55	1106	-0.24	-13.98	-13.56	-0.66	2.36	182.07	29.67	32.05	179.70	-18.88
8	55	1109	-9.72	-19.28	-12.04	-16.97	4.09	151.10	-204.63	139.61	-193.14	62.89
8	55	1110	-6.88	-34.89	-18.51	-23.25	13.80	230.51	-341.25	91.72	-202.46	245.14
8	55	1111	-7.20	-37.07	-22.29	-21.98	14.93	223.01	-255.91	91.39	-124.29	213.81
8	55	1112	-9.00	-37.89	-25.15	-21.75	14.35	264.16	-164.12	162.83	-62.79	182.01
8	55	1113	-13.16	-37.48	-28.54	-22.10	11.72	401.23	-21.05	358.69	21.50	127.11
8	55	1114	-29.95	-33.49	-32.72	-30.72	1.46	989.02	182.82	988.82	183.02	-12.70
8	55	1115	-5.95	-96.87	-8.06	-94.76	-13.67	471.51	-123.56	24.33	323.62	-257.17
8	55	1118	-10.19	-48.06	-10.41	-47.84	2.89	324.86	-208.53	8.34	107.99	262.00
8	55	1119	35.39	-14.81	-8.02	28.60	-17.16	1013.06	41.64	588.15	466.55	481.89
8	55	1120	10.22	-52.49	-6.45	-35.81	-27.71	614.47	-286.73	-59.97	387.71	391.07
8	55	1123	-7.88	-58.80	-10.76	-55.91	-11.77	1612.90	-41.02	-33.95	1605.83	-107.84
8	55	1124	-10.50	-19.36	-17.83	-12.04	3.35	481.48	-133.03	-15.85	364.30	241.41
8	55	1125	5.16	-23.44	-23.12	4.84	-3.02	389.81	178.38	341.48	226.71	88.78
8	55	1126	-2.78	-36.73	-34.30	-5.20	-8.74	202.55	-14.11	202.38	-13.94	-6.14
8	55	1127	-7.10	-29.99	-29.75	-7.34	-2.34	162.89	-120.53	-49.12	91.48	-123.04
8	55	1128	-9.24	-22.67	-22.46	-9.46	1.69	80.28	-96.65	-90.39	74.03	-32.68
8	55	1129	-14.38	-54.02	-31.10	-37.29	19.57	74.41	-334.19	-312.59	52.82	91.42
8	55	1130	-7.39	-40.72	-24.20	-23.91	16.67	276.66	-309.78	-140.91	107.78	265.55
8	55	1131	-4.33	-38.92	-21.75	-21.51	17.29	247.62	-217.69	-26.87	56.81	228.86
8	55	1132	-2.83	-36.44	-20.40	-18.87	16.79	257.90	-144.03	67.32	46.55	200.70
8	55	1133	-3.00	-32.04	-19.14	-15.90	14.43	304.00	-29.08	214.06	60.86	147.88
8	55	1134	-10.98	-20.41	-19.33	-12.06	3.00	617.26	146.51	616.72	147.05	-15.93
8	55	1135	-8.88	-111.47	-19.40	-100.96	-31.11	2003.58	218.09	294.13	1927.53	360.55
8	55	1136	24.86	-30.34	24.84	-30.31	-1.14	361.74	-217.29	341.48	-197.04	-106.38
8	55	1137	12.32	-25.08	12.32	-25.08	3.35e-02	389.66	-204.84	389.29	-204.47	-14.82
8	55	1138	-14.36	-59.03	-23.43	-49.96	17.97	1077.32	-63.51	-45.40	1059.20	-142.61
8	55	1139	54.48	14.89	14.90	54.48	0.37	421.42	-249.94	184.13	-12.65	320.93
8	55	1140	-10.29	-66.73	-40.71	-36.31	-28.13	1582.46	53.91	976.11	660.25	747.78
8	55	1141	9.93	-33.30	-15.91	-7.46	-21.20	188.25	-73.93	185.47	-71.16	-26.82
8	55	1142	25.30	-31.18	15.41	-21.29	-21.46	268.34	-278.60	217.55	-227.81	158.74
8	55	1143	21.90	-52.24	20.99	-51.32	-8.18	2395.89	162.25	316.56	2241.58	-566.44
8	55	1144	9.00	-84.88	-0.58	-75.29	-28.42	1664.74	-262.52	94.70	1307.52	748.89
8	55	1145	-1.59	-37.50	-1.71	-37.39	-2.00	674.25	224.20	666.26	232.18	-59.42
8	55	1146	-3.65	-34.93	-7.93	-30.65	10.75	858.00	-142.74	505.02	210.23	-478.17
8	55	1147	-3.34	-44.94	-9.71	-38.57	14.98	1163.65	-360.67	-214.48	1017.45	-448.86
8	55	1148	-7.16	-14.05	-11.98	-9.23	3.16	504.90	-12.91	-11.66	503.65	25.38
8	55	1149	44.40	16.60	20.21	40.79	9.34	261.62	-286.78	80.52	-105.68	257.91
8	55	1150	13.72	-14.94	8.85	-10.07	-10.76	1027.34	-294.72	401.23	331.39	660.11
8	55	1151	28.09	-41.76	-3.08	-10.59	-34.72	770.70	-76.48	445.67	248.55	411.96
8	55	1152	22.24	-43.92	2.98	-24.66	-30.05	599.33	271.35	530.53	340.15	133.54
8	55	1153	-1.10	-49.89	-1.42	-49.57	-3.95	1825.68	9.43	145.49	1689.62	-478.13
8	55	1154	-3.38	-77.57	-8.34	-72.61	-18.52	1853.74	189.17	278.12	1764.79	374.37
8	55	1155	-18.26	-47.29	-19.08	-46.48	-4.79	1047.78	576.34	583.62	1040.49	-58.14
8	55	1156	-9.68	-44.74	-15.25	-39.17	12.82	1263.78	56.45	426.34	893.88	-556.56
8	55	1157	9.48e-02	-38.87	-6.61	-32.17	14.70	1186.09	-215.22	28.32	942.55	-531.00
8	55	1158	-2.09	-8.38	-4.77	-5.71	3.11	545.62	-3.49	40.65	501.48	-149.30
8	55	1159	14.57	-9.22	-9.02	14.37	-2.20	267.94	109.52	223.00	154.46	-71.41
8	55	1160	1.70	-12.47	-11.13	0.36	-4.15	309.68	-43.05	180.10	86.53	-170.04
8	55	1161	-9.70	-22.13	-17.39	-14.44	-6.04	342.61	-60.92	40.14	241.55	-174.84
8	55	1162	-17.85	-28.02	-22.81	-23.06	5.08	372.30	-45.75	-24.54	351.10	-91.73
8	55	1163	-10.41	-36.87	-16.97	-30.31	11.43	391.01	-34.67	-34.27	390.61	-13.17
8	55	1164	-8.28	-35.02	-15.27	-28.03	11.75	365.42	-45.96	-37.67	357.13	57.80
8	55	1165	-4.87	-31.53	-13.44	-22.96	12.45	333.17	-18.68	12.07	302.42	99.36
8	55	1166	-0.87	-27.02	-10.62	-17.27	12.65	292.27	7.33	61.31	238.29	111.66
8	55	1167	2.22	-18.69	-6.84	-9.63	10.36	245.37	36.86	125.39	156.84	103.07
8	55	1168	4.12	-1.74	-1.05	3.44	1.88	223.00	103.02	222.90	103.12	-3.42
8	55	1169	48.13	16.61	36.12	28.61	15.31	-179.51	-186.98	-179.86	-186.63	-1.58
8	55	1170	65.43	15.68	64.37	16.74	-7.18	281.64	-75.85	145.90	59.89	173.50
8	55	1171	38.40	-18.05	31.13	-10.79	-18.90	722.57	368.19	456.65	634.10	153.38
8	55	1172	-8.97	-42.54	-18.85	-32.65	-15.30	1366.31	596.21	599.62	1362.90	51.14
8	55	1173	-36.30	-58.52	-37.59	-57.22	-5.21	2089.66	419.31	419.31	2089.66	-3.01
8	55	1174	-37.33	-67.76	-38.99	-66.10	-6.91	2433.29	475.29	475.35	2433.23	10.87
8	55	1175	-46.68	-60.03	-49.33	-57.39	-5.32	2229.02	703.69	704.61	2228.09	-37.47
8	55	1176	-34.64	-46.38	-35.25	-45.77	2.61	1847.13	533.03	547.35	1832.82	-136.40
8	55	1177	-5.44	-28.39	-5.96	-27.88	3.41	1284.78	197.36	217.69	1264.44	-147.30
8	55	1178	15.21	0.68	15.21	0.68	0.11	572.23	57.29	72.83	556.69	-88.10
8	55	1179	20.80	10.87	19.44	12.24	-3.42	173.59	66.81	145.13	95.27	-47.22

8	55	1180	10.26	0.95	9.82	1.39	1.99	179.35	143.79	153.92	169.22	-16.05
8	55	1181	-10.47	-19.80	-13.15	-17.13	4.22	503.89	115.41	115.92	503.37	-14.13
8	55	1182	-20.73	-34.82	-27.13	-28.42	7.01	763.96	97.28	97.44	763.81	-10.06
8	55	1183	-19.15	-36.01	-24.11	-31.05	7.69	821.04	90.04	90.13	820.94	-8.17
8	55	1184	-14.82	-29.86	-17.37	-27.32	5.64	736.71	95.73	95.73	736.71	-1.74
8	55	1185	-8.33	-24.08	-10.18	-22.23	5.07	628.86	108.42	108.44	628.83	-3.43
8	55	1186	-1.76	-18.24	-3.46	-16.54	5.01	499.21	117.06	117.09	499.18	-3.57
8	55	1187	8.06	-7.24	6.80	-5.98	4.21	278.10	124.54	124.54	278.10	-0.35
8	55	1188	16.42	0.63	11.34	5.71	-7.37	93.87	59.10	93.77	59.20	-1.87
8	74	920	32.66	13.07	24.65	21.08	-9.63	-50.33	-61.67	-55.61	-56.39	-5.66
8	74	921	35.11	11.19	32.87	13.43	6.97	340.26	78.14	139.82	278.58	-111.19
8	74	922	20.59	-18.18	18.16	-15.75	9.40	1044.71	292.29	312.29	1024.71	-121.04
8	74	923	-3.60	-45.72	-5.65	-43.66	9.07	1866.53	377.82	386.69	1857.66	-114.60
8	74	924	-20.20	-67.82	-22.70	-65.31	10.62	2506.06	328.38	338.03	2496.40	-144.69
8	74	925	-27.60	-73.81	-36.81	-64.60	18.46	2550.86	517.89	555.21	2513.54	-272.93
8	74	926	-46.46	-69.71	-60.49	-55.68	11.37	2163.08	856.85	861.71	2158.21	-79.60
8	74	927	-36.11	-52.15	-41.97	-46.29	-7.72	1922.44	506.21	634.88	1793.77	407.02
8	74	928	-0.42	-28.98	-1.21	-28.19	-4.68	1465.08	82.14	182.37	1364.86	358.56
8	74	929	15.42	-0.90	15.23	-0.72	1.72	657.29	43.20	71.41	629.08	128.56
8	74	930	23.11	11.25	20.51	13.85	4.91	237.56	86.57	202.31	121.82	63.88
8	74	931	11.82	1.35	11.81	1.36	0.36	238.22	145.31	182.73	200.81	45.57
8	74	932	-9.49	-18.52	-9.99	-18.03	-2.05	542.47	114.07	116.52	540.01	32.32
8	74	933	-22.17	-33.03	-24.98	-30.22	-4.76	814.89	75.34	75.79	814.45	18.10
8	74	934	-21.75	-35.77	-24.82	-32.70	-5.80	870.27	69.92	69.93	870.27	-1.71
8	74	935	-17.25	-30.83	-19.29	-28.78	-4.86	781.60	72.30	72.58	781.31	-14.15
8	74	936	-11.64	-25.96	-13.36	-24.24	-4.66	674.62	83.04	83.62	674.05	-18.43
8	74	937	-4.77	-19.81	-6.30	-18.28	-4.54	539.50	95.02	96.11	538.41	-21.97
8	74	938	5.02	-8.54	3.93	-7.44	-3.69	320.06	115.44	119.39	316.11	-28.16
8	74	939	16.06	0.20	9.35	6.92	7.84	106.36	77.75	98.07	86.04	-12.98
8	74	940	23.22	12.65	13.58	22.28	3.00	386.27	71.37	326.38	131.25	-123.58
8	74	941	14.31	-11.11	2.72	0.48	12.66	426.11	176.60	315.74	286.97	-123.92
8	74	942	12.40	-35.19	-4.52	-18.27	22.78	586.47	265.69	266.06	586.11	10.79
8	74	943	1.02	-54.46	-11.76	-41.68	23.35	1004.82	201.20	204.40	1001.63	50.54
8	74	944	-12.59	-67.73	-19.67	-60.66	18.44	1479.75	51.37	54.61	1476.52	67.90
8	74	945	-3.42	-16.14	-14.41	-5.15	-4.36	506.76	22.50	31.52	497.75	-65.45
8	74	946	11.28	-18.43	-18.36	11.21	1.43	404.11	199.13	401.93	201.30	21.00
8	74	947	1.58	-19.97	-17.79	-0.59	6.50	425.98	-121.60	241.40	62.98	258.85
8	74	948	-7.46	-26.12	-19.73	-13.85	8.85	386.48	-207.50	-9.37	188.35	280.05
8	74	949	-20.24	-24.69	-22.40	-22.53	-2.22	289.69	-186.90	-154.46	257.26	120.02
8	74	950	-11.34	-35.21	-16.71	-29.84	-9.97	260.68	-157.63	-154.34	257.38	-36.98
8	74	951	-9.29	-35.38	-16.28	-28.39	-11.56	267.06	-194.01	-148.27	221.32	-137.83
8	74	952	-6.03	-33.07	-15.17	-23.93	-12.80	284.89	-177.91	-75.48	182.46	-192.12
8	74	953	-2.74	-29.93	-13.70	-18.96	-13.34	295.08	-149.90	1.60	143.58	-210.86
8	74	954	6.19e-02	-23.83	-11.36	-12.40	-11.93	312.63	-89.30	113.27	110.07	-200.96
8	74	955	2.57	-7.22	-6.31	1.66	-2.84	348.05	124.37	346.26	126.16	-19.91
8	74	956	-11.66	-101.32	-25.81	-87.18	32.69	1889.68	-166.67	41.77	1681.23	-620.63
8	74	957	8.19	-28.79	8.19	-28.78	0.25	582.98	-161.30	582.08	-160.40	-25.88
8	74	958	2.41	-27.47	-0.16	-24.89	-8.39	615.40	-267.72	480.90	-133.23	317.31
8	74	959	-12.91	-67.34	-26.78	-53.47	-23.72	1297.02	-240.08	-122.00	1178.94	409.34
8	74	960	5.85	-18.16	-17.14	4.82	4.84	1175.04	310.72	1153.16	332.60	-135.77
8	74	961	6.95	-35.39	-18.77	-9.67	20.68	654.35	269.19	654.20	269.34	-7.69
8	74	962	4.70	-48.69	-21.21	-22.78	26.68	563.73	83.51	336.54	310.70	239.76
8	74	963	-1.71	-59.67	-21.45	-39.93	27.46	657.27	-77.71	140.86	438.70	335.97
8	74	964	-9.10	-74.26	-21.86	-61.50	25.86	909.32	-180.15	69.64	659.53	457.98
8	74	965	-10.79	-28.70	-21.73	-17.76	-8.73	660.27	-181.37	159.94	318.95	-413.24
8	74	966	-1.29	-25.27	-25.23	-1.33	1.01	674.25	151.26	605.65	219.86	-176.55
8	74	967	-4.93	-39.43	-36.56	-7.79	9.52	340.26	-87.46	339.89	-87.08	-12.68
8	74	968	-7.04	-33.70	-33.17	-7.56	3.71	196.31	-207.58	-128.67	117.40	160.14
8	74	969	-9.07	-24.32	-24.32	-9.07	0.14	119.46	-248.90	-242.84	113.40	46.83
8	74	970	-15.16	-50.75	-31.00	-34.91	-17.69	-21.97	-592.21	-507.94	-106.24	-202.36
8	74	971	-8.48	-39.21	-24.46	-23.23	-15.35	253.58	-496.67	-249.78	6.69	-352.52
8	74	972	-6.23	-38.31	-22.79	-21.75	-16.03	232.69	-374.93	-106.76	-35.48	-301.71
8	74	973	-5.12	-36.86	-22.25	-19.73	-15.82	261.89	-272.70	15.72	-26.54	-266.46
8	74	974	-5.33	-34.16	-22.33	-17.16	-14.18	351.28	-114.54	217.30	19.44	-210.86
8	74	975	-14.69	-24.75	-23.71	-15.73	-3.07	772.98	151.68	772.84	151.81	-9.16
8	74	976	-7.24	-85.13	-8.44	-83.92	9.60	710.23	-62.89	60.23	587.11	282.89
8	74	979	-8.10	-54.41	-10.06	-52.45	-9.31	479.27	-135.47	42.79	301.01	-278.94
8	74	980	-21.19	-45.94	-45.30	-21.84	3.93	2063.97	456.51	2055.04	465.44	-119.46
8	74	981	-6.99	-53.78	-42.66	-18.12	19.92	1085.21	260.12	1084.47	260.86	24.71
8	74	982	-6.46	-56.01	-37.48	-24.99	23.97	640.41	-24.22	483.08	133.11	282.51
8	74	983	-10.58	-57.69	-30.12	-38.16	23.21	482.73	-298.85	151.67	32.21	386.20
8	74	984	-12.61	-60.94	-20.70	-52.86	18.04	393.61	-460.41	54.55	-121.35	417.86
8	74	985	-15.45	-29.57	-19.18	-25.84	-6.23	596.58	-254.39	367.43	-25.24	-377.48
8	74	986	-15.48	-20.73	-19.56	-16.65	-2.18	814.38	202.53	765.34	251.56	-166.13
8	74	987	-5.70	-14.38	-14.18	-5.90	-1.30	209.37	2.28	2.79	208.86	10.28
8	74	990	-11.21	-16.66	-12.54	-15.33	-2.34	179.71	-285.89	174.05	-280.22	-51.05
8	74	991	-9.11	-32.86	-18.97	-23.00	-11.70	217.42	-450.56	73.61	-306.75	-274.56
8	74	992	-9.95	-35.34	-23.09	-22.20	-12.69	195.24	-350.76	45.25	-200.77	-243.72
8	74	993	-11.72	-36.82	-26.47	-22.07	-12.35	245.92	-245.53	119.84	-119.44	-214.63

8	74	994	-15.34	-37.69	-30.52	-22.51	-10.43	420.55	-75.07	355.86	-10.39	-166.96
8	74	995	-30.51	-35.52	-34.69	-31.34	-1.87	1120.06	189.18	1119.98	189.25	-8.48
8	74	996	-16.18	-46.64	-16.29	-46.53	-1.82	-66.73	-236.52	-73.33	-229.92	-32.82
8	74	997	-18.93	-30.71	-26.23	-23.41	5.72	111.14	-971.52	-966.57	106.19	-73.04
8	74	998	-18.87	-29.77	-26.69	-21.95	-4.91	100.16	-824.06	-821.11	97.21	-52.10
8	74	999	-16.93	-33.28	-17.07	-33.14	1.49	320.49	-191.63	234.37	-105.50	-191.54
8	74	1000	-42.93	-65.59	-65.05	-43.47	3.45	2761.59	549.52	2758.34	552.77	-84.78
8	74	1001	-19.95	-66.28	-61.53	-24.70	14.05	1459.90	258.01	1459.54	258.37	20.80
8	74	1002	-18.25	-58.50	-52.09	-24.66	14.74	713.47	-39.94	636.04	37.48	228.77
8	74	1003	-24.94	-49.40	-39.23	-35.11	12.05	323.75	-347.19	152.17	-175.61	292.71
8	74	1004	-25.02	-45.89	-28.04	-42.87	7.34	25.96	-486.20	-114.98	-345.26	228.74
8	74	1005	-19.77	-28.99	-22.55	-26.21	-4.23	535.41	-130.65	496.77	-92.02	-155.70
8	74	1006	-15.49	-30.08	-20.50	-25.07	-6.93	1070.95	281.73	1066.69	285.99	57.78
8	74	1007	-13.00	-17.17	-16.78	-13.39	-1.21	137.83	-5.90	4.18	127.75	36.71
8	74	1010	-5.41	-15.95	-15.21	-6.14	-2.68	191.86	-279.58	189.63	-277.35	-32.30
8	74	1011	-18.41	-23.35	-22.90	-18.87	-1.43	20.24	-370.88	19.88	-370.52	11.84
8	74	1012	-19.57	-28.93	-28.08	-20.41	-2.68	32.06	-256.63	18.87	-243.43	-60.29
8	74	1013	-20.88	-33.51	-32.18	-22.21	-3.88	162.59	-178.14	134.55	-150.09	-93.64
8	74	1014	-24.25	-37.96	-36.40	-25.81	-4.34	458.10	-39.81	438.55	-20.26	-96.71
8	74	1015	-39.74	-40.90	-40.53	-40.11	-0.55	1344.78	213.63	1344.71	213.70	-8.73
8	74	1016	-24.03	-53.56	-34.08	-43.51	13.99	-266.72	-862.92	-615.76	-513.88	293.72
8	74	1017	-15.39	-31.27	-31.25	-15.41	-0.55	186.73	-893.18	-885.25	178.79	-92.21
8	74	1018	-14.36	-30.72	-30.68	-14.40	-0.85	183.34	-719.71	-709.31	172.93	-96.38
8	74	1019	-20.60	-46.01	-31.73	-34.89	-12.61	-46.50	-560.41	-168.66	-438.26	-218.75
8	74	1020	-16.18	-49.15	-42.37	-22.96	-13.32	1053.99	-148.36	896.45	9.19	405.72
8	74	1021	-5.84	-54.17	-54.16	-5.85	0.56	104.86	-465.74	-445.48	84.59	-105.61
8	74	1022	-6.16	-56.26	-56.25	-6.17	-0.74	155.43	-1033.63	-1030.13	151.92	-64.47
8	74	1023	-9.67	-53.07	-49.09	-13.65	12.53	-217.01	-1098.86	-931.50	-384.37	345.79
8	74	1024	-11.96	-38.84	-37.69	-13.11	5.44	-164.62	-416.16	-340.23	-240.55	115.48
8	74	1025	-16.23	-38.21	-37.99	-16.45	2.18	-137.95	-227.44	-140.61	-224.78	15.19
8	74	1026	-19.97	-38.75	-38.75	-19.97	-2.50e-02	81.17	-161.33	77.63	-157.79	-29.09
8	74	1027	-25.60	-40.60	-40.55	-25.64	-0.82	456.85	-36.31	453.01	-32.47	-43.37
8	74	1028	-41.07	-43.90	-42.03	-42.93	-1.34	1431.12	216.69	1431.12	216.70	-3.04
8	74	1029	-55.09	-77.09	-75.98	-56.20	4.80	3124.61	539.91	3123.73	540.79	-47.60
8	74	1030	-24.79	-74.49	-73.51	-25.77	6.91	1722.55	226.51	1722.52	226.54	7.16
8	74	1031	-20.65	-62.95	-62.86	-20.74	1.96	797.34	-16.36	759.65	21.32	171.00
8	74	1032	-31.69	-48.41	-47.73	-32.38	-3.31	174.08	-272.99	109.51	-208.43	157.15
8	74	1033	-30.46	-48.83	-30.57	-48.72	-1.42	-115.36	-578.96	-141.84	-552.48	107.59
8	74	1034	-23.56	-31.94	-25.64	-29.86	-3.62	484.77	-117.06	480.82	-113.11	-48.59
8	74	1035	-24.10	-33.06	-30.33	-26.84	-4.13	1565.62	66.80	1559.15	73.28	98.32
8	74	1036	-18.03	-48.32	-47.06	-19.29	-6.05	1066.27	-128.84	1063.15	-125.72	60.97
8	74	1037	-7.88	-58.64	-58.64	-7.88	0.52	172.03	-334.41	-327.94	165.56	-56.88
8	74	1038	-8.07	-59.29	-59.29	-8.07	7.58e-02	187.09	-1152.56	-1152.55	187.08	4.34
8	74	1039	-12.94	-51.83	-51.38	-13.38	4.13	-206.53	-953.96	-928.06	-232.43	136.72
8	74	1040	-10.17	-45.07	-44.63	-10.61	3.87	-199.17	-494.08	-474.60	-218.65	73.24
8	74	1041	-14.64	-41.87	-41.78	-14.74	1.61	-190.50	-212.41	-195.79	-207.12	9.38
8	74	1042	-18.95	-40.91	-40.91	-18.96	0.45	60.06	-151.07	58.57	-149.58	-17.69
8	74	1043	-25.60	-41.15	-41.13	-25.62	-0.53	457.33	-30.08	456.01	-28.76	-25.37
8	74	1044	-42.89	-43.05	-42.99	-42.95	-7.84e-02	1447.86	221.92	1447.83	221.95	-6.15
8	74	1045	-11.09	-46.09	-11.13	-46.05	1.19	227.24	-574.89	225.52	-573.17	37.11
8	74	1048	-11.09	-36.10	-11.37	-35.81	-2.65	39.90	-244.89	39.72	-244.72	-7.00
8	74	1049	-58.32	-79.45	-75.03	-62.74	8.59	3062.39	322.89	3057.12	328.16	-120.05
8	74	1050	-16.17	-74.58	-74.57	-16.18	-0.73	2028.06	127.20	2027.76	127.50	23.79
8	74	1051	-14.01	-65.29	-63.47	-15.83	-9.48	907.20	70.32	851.28	126.24	208.97
8	74	1052	-16.65	-66.21	-59.12	-23.74	-17.35	32.92	-94.31	-94.25	32.85	2.92
8	74	1053	-23.88	-67.79	-37.44	-54.23	-20.28	-81.52	-737.83	-262.24	-557.12	-293.17
8	74	1054	-23.99	-29.21	-25.18	-28.02	2.19	527.17	-108.32	522.79	-103.93	52.62
8	74	1055	-22.02	-32.91	-29.05	-25.88	5.21	1457.77	119.43	1447.87	129.33	-114.68
8	74	1056	-15.80	-51.53	-46.07	-21.25	12.85	1043.31	-120.19	963.58	-40.47	-293.94
8	74	1057	-6.83	-57.23	-57.23	-6.83	0.20	155.87	-409.43	-386.40	132.84	111.76
8	74	1058	-7.19	-57.90	-57.89	-7.20	0.72	171.68	-1088.42	-1087.95	171.21	24.27
8	74	1059	-10.63	-48.92	-46.49	-13.06	-9.32	-190.70	-979.93	-850.80	-319.83	-291.96
8	74	1060	-11.53	-39.83	-38.61	-12.75	-5.75	-137.10	-449.87	-366.17	-220.79	-138.47
8	74	1061	-15.75	-38.76	-38.49	-16.02	-2.47	-132.87	-218.63	-146.49	-205.01	-31.34
8	74	1062	-19.61	-38.96	-38.95	-19.63	-0.45	81.89	-142.98	80.50	-141.59	17.62
8	74	1063	-25.65	-40.11	-40.09	-25.67	0.57	463.61	-21.57	460.88	-18.84	36.34
8	74	1064	-41.26	-42.34	-42.00	-41.60	-0.51	1433.89	226.26	1433.88	226.27	4.36
8	74	1065	-32.11	-68.87	-50.24	-50.74	-18.38	-375.28	-1268.90	-746.05	-898.13	-440.29
8	74	1066	-13.98	-38.73	-38.69	-14.03	-1.05	168.33	-848.64	-840.22	159.91	92.16
8	74	1067	-13.46	-31.48	-30.93	-14.02	-3.12	147.85	-737.85	-737.16	147.16	24.72
8	74	1068	-21.31	-41.10	-28.99	-33.41	9.64	-35.74	-468.83	-74.71	-429.86	123.92
8	74	1069	-59.95	-73.33	-61.53	-71.75	4.32	2462.40	362.04	2454.83	369.61	-125.81
8	74	1070	0.31	-50.96	-50.95	0.31	0.41	2780.26	-65.33	2432.90	282.03	-931.56
8	74	1071	-9.81	-62.12	-58.27	-13.66	-13.67	719.33	10.81	658.70	71.44	198.20
8	74	1072	-8.83	-54.02	-50.53	-12.31	-12.06	292.73	7.96	39.49	261.20	89.35
8	74	1073	-36.61	-114.66	-67.20	-84.07	-38.10	-274.93	-1440.09	-621.74	-1093.28	-532.74
8	74	1074	-25.34	-50.05	-42.18	-33.21	-11.51	-433.23	-594.88	-548.59	-479.52	-73.07
8	74	1075	-14.60	-42.37	-39.04	-17.93	-9.03	153.67	-1051.49	-1041.58	143.75	108.87
8	74	1076	-18.36	-36.86	-36.67	-18.54	-1.82	107.64	-687.10	-667.80	88.34	122.33

8	74	1077	-24.24	-32.68	-25.83	-31.10	3.30	187.28	-392.99	144.22	-349.93	152.10
8	74	1078	-22.41	-30.25	-24.84	-27.83	3.62	563.87	-172.56	521.62	-130.30	171.26
8	74	1079	-52.06	-71.31	-52.13	-71.24	-1.19	2410.05	687.89	2332.35	765.59	-357.46
8	74	1080	17.16	-31.56	-24.69	10.29	-16.95	595.15	-343.13	-121.60	373.62	-398.47
8	74	1083	-8.95	-107.91	-16.19	-100.67	-25.77	175.51	-1108.85	144.63	-1077.98	-196.74
8	74	1084	-20.87	-28.96	-23.66	-26.18	3.85	572.40	-225.14	473.62	-126.36	262.72
8	74	1085	-17.65	-26.25	-21.37	-22.53	4.26	981.77	243.61	981.64	243.75	10.09
8	74	1086	-9.56	-14.69	-14.66	-9.59	0.36	181.13	-74.16	-73.36	180.33	14.26
8	74	1089	-5.29	-16.32	-14.84	-6.77	3.76	221.09	-313.10	217.94	-309.94	40.95
8	74	1090	-15.33	-24.08	-20.66	-18.75	4.27	96.58	-380.37	94.14	-377.93	34.08
8	74	1091	-17.60	-28.63	-25.56	-20.67	4.94	88.73	-273.22	67.19	-251.68	85.64
8	74	1092	-19.15	-32.77	-29.81	-22.12	5.62	195.75	-190.11	158.92	-153.28	113.37
8	74	1093	-22.38	-36.91	-34.62	-24.67	5.30	459.32	-45.68	433.50	-19.87	111.22
8	74	1094	-36.98	-39.11	-39.09	-37.00	0.23	1297.18	210.27	1297.11	210.34	8.96
8	74	1095	-10.00	-51.11	-12.41	-48.70	-9.66	-162.35	-786.06	-182.80	-765.61	111.06
8	74	1096	-17.61	-37.90	-29.58	-25.92	-9.98	145.72	-974.61	-974.61	145.72	1.74
8	74	1097	-20.00	-34.20	-34.19	-20.01	-0.40	96.91	-759.09	-758.13	95.95	-28.68
8	74	1098	-25.94	-42.43	-30.44	-37.92	-7.35	352.54	-240.96	289.61	-178.02	182.73
8	74	1099	-11.25	-45.69	-27.30	-29.63	-17.18	1291.28	716.31	1229.77	777.82	177.72
8	74	1100	14.63	-42.94	-20.40	-7.91	-28.10	486.38	-12.46	60.70	413.21	176.48
8	74	1103	-4.33	-90.54	-11.99	-82.89	-24.53	155.14	-157.79	144.53	-147.17	-56.66
8	74	1104	-20.89	-25.78	-22.51	-24.16	2.30	652.35	-261.81	285.49	105.05	448.09
8	74	1105	-12.50	-21.08	-21.05	-12.53	-0.51	728.83	192.20	671.37	249.66	165.93
8	74	1106	-2.32	-14.13	-14.09	-2.37	0.76	191.06	21.53	23.15	189.43	-16.50
8	74	1109	-10.64	-19.35	-11.79	-18.20	2.95	192.73	-289.33	179.67	-276.27	78.26
8	74	1110	-7.97	-34.23	-18.18	-24.02	12.80	266.37	-468.26	89.29	-291.18	314.22
8	74	1111	-7.88	-36.07	-21.79	-22.16	14.09	242.09	-370.26	62.13	-190.30	278.95
8	74	1112	-9.02	-36.90	-24.65	-21.26	13.84	278.48	-265.28	126.67	-113.47	243.93
8	74	1113	-11.88	-36.85	-28.24	-20.48	11.87	419.71	-93.11	335.79	-9.18	189.72
8	74	1114	-25.59	-32.95	-32.29	-26.25	2.10	1037.22	179.66	1037.10	179.78	10.26
8	74	1115	-6.31	-99.45	-8.65	-97.11	-14.58	349.02	-199.85	58.36	90.81	-273.96
8	74	1118	-10.97	-50.76	-11.07	-50.66	2.01	329.49	-259.29	6.08	64.12	292.95
8	74	1119	32.87	-17.73	-9.68	24.82	-18.51	992.91	108.20	642.58	458.54	432.68
8	74	1120	9.31	-56.32	-7.57	-39.45	-28.68	561.20	-241.04	-43.56	363.73	345.58
8	74	1123	-8.51	-60.67	-11.98	-57.20	-12.99	1543.20	-32.63	-27.36	1537.92	-91.03
8	74	1124	-13.27	-19.26	-18.60	-13.94	1.88	553.91	-164.18	38.60	351.12	323.26
8	74	1125	3.48	-25.37	-24.62	2.74	-4.59	546.23	165.45	486.03	225.65	138.92
8	74	1126	-3.42	-40.11	-36.51	-7.02	-10.91	281.57	-69.97	281.52	-69.92	-4.21
8	74	1127	-6.94	-31.91	-31.06	-7.79	-4.52	198.87	-159.82	-76.29	115.33	-151.61
8	74	1128	-9.73	-21.58	-21.57	-9.74	-0.27	105.94	-163.78	-156.85	99.01	-42.69
8	74	1129	-14.84	-52.42	-29.75	-37.51	18.38	41.76	-508.87	-458.51	-8.60	158.73
8	74	1130	-8.44	-39.39	-23.26	-24.57	15.46	319.90	-464.68	-227.48	82.70	360.33
8	74	1131	-5.35	-37.87	-21.20	-22.03	16.25	285.62	-352.22	-88.04	21.44	314.19
8	74	1132	-3.51	-35.64	-20.15	-19.01	16.05	299.83	-263.78	22.76	13.29	281.77
8	74	1133	-2.68	-31.72	-19.17	-15.23	14.38	358.75	-125.48	194.00	39.27	229.42
8	74	1134	-8.06	-20.35	-19.22	-9.19	3.55	657.01	143.61	656.63	143.99	13.93
8	74	1135	-10.54	-115.36	-21.90	-104.00	-32.57	2026.02	188.28	266.57	1947.73	371.13
8	74	1136	22.57	-31.06	22.50	-30.99	-2.01	332.02	-211.18	311.46	-190.62	-103.64
8	74	1137	11.16	-25.88	11.15	-25.86	-0.85	379.36	-174.02	378.76	-173.42	-18.23
8	74	1138	-15.49	-59.56	-23.74	-51.31	17.19	965.36	-146.23	-142.90	962.04	-60.66
8	74	1139	51.58	12.57	12.57	51.57	-0.49	446.36	-186.90	246.03	13.43	294.50
8	74	1140	-12.25	-71.83	-44.34	-39.74	-29.70	1408.05	44.10	886.18	565.96	662.91
8	74	1141	9.32	-36.92	-19.54	-8.06	-22.40	194.07	-45.96	189.59	-41.47	-32.52
8	74	1142	23.88	-33.43	12.63	-22.17	-22.77	245.28	-270.55	194.32	-219.60	153.90
8	74	1143	20.02	-53.08	18.95	-52.01	-8.77	2460.02	100.10	242.92	2317.20	-562.71
8	74	1144	7.61	-87.88	-2.78	-77.49	-29.73	1725.00	-342.36	37.98	1344.65	801.03
8	74	1145	-3.83	-38.51	-4.11	-38.23	-3.10	643.16	244.77	642.89	245.05	-10.51
8	74	1146	-6.20	-35.19	-9.93	-31.46	9.71	765.69	-74.41	466.13	225.15	-402.40
8	74	1147	-4.97	-45.17	-10.56	-39.58	13.91	1063.45	-336.96	-238.20	964.69	-358.54
8	74	1148	-10.14	-14.44	-13.75	-10.83	1.58	519.51	8.41	31.37	496.55	105.87
8	74	1149	41.76	14.79	18.27	38.28	9.04	274.95	-243.54	116.42	-85.02	238.88
8	74	1150	11.96	-18.16	6.17	-12.37	-11.87	897.60	-207.79	394.36	295.44	550.48
8	74	1151	27.57	-45.01	-6.13	-11.32	-36.20	670.24	31.09	422.23	279.09	311.46
8	74	1152	21.19	-46.75	2.46e-02	-25.58	-31.47	532.47	344.53	511.36	365.64	59.34
8	74	1153	-3.41	-50.97	-3.93	-50.45	-4.96	1914.10	-75.84	77.37	1760.88	-530.48
8	74	1154	-5.17	-80.13	-10.85	-74.46	-19.84	1929.41	132.39	237.31	1824.49	421.36
8	74	1155	-20.08	-48.81	-21.54	-47.35	-6.32	1074.88	568.75	568.76	1074.87	2.40
8	74	1156	-12.80	-44.59	-17.51	-39.89	11.29	1195.80	124.90	407.33	913.38	-471.90
8	74	1157	-2.82	-38.75	-8.57	-33.01	13.17	1110.47	-157.46	16.88	936.13	-436.65
8	74	1158	-5.50	-8.03	-6.48	-7.05	1.23	520.03	64.48	75.33	509.19	-69.45
8	74	1159	13.65	-11.06	-10.40	12.99	-3.98	320.82	154.22	310.93	164.11	-39.37
8	74	1160	1.95	-14.98	-12.45	-0.59	-6.04	384.65	-76.23	227.20	81.22	-218.57
8	74	1161	-8.43	-25.32	-18.88	-14.88	-8.21	407.03	-112.04	37.21	257.78	-234.94
8	74	1162	-20.86	-27.41	-24.56	-23.72	3.25	395.41	-100.96	-72.28	366.74	-115.80
8	74	1163	-13.14	-36.43	-18.75	-30.83	9.96	398.65	-91.04	-90.94	398.54	7.21
8	74	1164	-10.88	-35.04	-17.01	-28.91	10.51	382.73	-121.33	-97.62	359.02	106.72
8	74	1165	-7.28	-31.49	-14.97	-23.80	11.27	368.38	-101.49	-34.40	301.29	164.39
8	74	1166	-2.99	-26.96	-12.03	-17.92	11.61	343.89	-80.16	28.71	235.01	185.24
8	74	1167	0.85	-18.88	-8.19	-9.84	9.83	320.20	-49.33	114.33	156.55	183.55

8	74	1168	4.81	-2.59	-2.03	4.26	1.95	255.05	112.94	249.85	118.14	26.68
8	74	1169	45.87	14.87	34.52	26.22	14.94	-137.95	-161.49	-138.56	-160.88	3.74
8	74	1170	64.28	14.18	62.92	15.53	-8.12	283.78	-18.19	164.87	100.72	147.54
8	74	1171	37.73	-20.30	29.13	-11.71	-20.61	753.56	397.44	450.04	700.96	126.35
8	74	1172	-9.83	-45.54	-21.80	-33.56	-16.86	1456.18	589.54	590.62	1455.10	30.57
8	74	1173	-38.86	-60.50	-41.11	-58.25	-6.61	2198.49	383.20	383.28	2198.41	-12.18
8	74	1174	-39.71	-70.24	-42.29	-67.66	-8.50	2542.38	448.91	449.02	2542.27	15.07
8	74	1175	-47.40	-63.11	-52.11	-58.39	-7.20	2320.05	701.67	702.15	2319.57	-27.84
8	74	1176	-37.62	-46.56	-37.68	-46.50	0.72	1915.60	535.46	545.71	1905.35	-118.50
8	74	1177	-7.76	-28.71	-7.86	-28.61	1.43	1334.33	207.25	221.58	1319.99	-126.29
8	74	1178	14.21	-0.74	13.98	-0.50	-1.86	604.06	98.58	109.06	593.58	-72.02
8	74	1179	19.73	8.15	16.87	11.02	-5.00	219.10	101.68	205.29	115.49	-37.83
8	74	1180	10.09	0.92	10.09	0.92	6.10e-02	217.35	167.42	194.50	190.27	-24.88
8	74	1181	-12.41	-18.77	-13.38	-17.79	2.29	539.73	120.20	121.21	538.72	-20.56
8	74	1182	-24.00	-34.72	-29.67	-29.05	5.35	815.41	72.06	72.29	815.17	-13.12
8	74	1183	-23.22	-36.39	-27.81	-31.79	6.27	877.18	52.87	52.89	877.16	-3.28
8	74	1184	-19.23	-30.13	-21.29	-28.06	4.27	788.47	60.48	60.62	788.33	10.19
8	74	1185	-12.72	-24.57	-14.02	-23.27	3.70	675.62	79.90	80.14	675.38	11.95
8	74	1186	-5.90	-18.55	-7.08	-17.38	3.68	538.16	99.99	100.45	537.70	14.19
8	74	1187	5.13	-7.42	4.22	-6.51	3.26	307.23	126.11	128.37	304.96	20.12
8	74	1188	15.08	-0.62	9.40	5.05	-7.54	123.20	75.70	122.44	76.46	5.96

M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-151.51	-99.52	-136.70	-50.11		-2713.68	-1720.36	-1893.15	-1220.84
			81.10		79.35	65.44	42.79	4167.07		4166.39	3422.00	1096.53

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
9	2	956	-9.33	-53.26	-19.36	-43.22	18.44	5.09	-6.01	-2.16	1.24	5.28
9	2	957	-9.57	-46.42	-9.85	-46.14	3.20	80.14	25.03	25.35	79.82	4.18
9	2	958	-9.25	-40.35	-10.39	-39.21	-5.83	76.75	23.63	24.03	76.35	-4.60
9	2	959	-6.61	-37.14	-16.94	-26.81	-14.44	4.18	-6.57	-2.13	-0.26	-5.29
9	2	976	-9.52	-34.72	-15.43	-28.82	10.68	45.32	14.50	45.06	14.76	2.80
9	2	977	-10.49	-39.66	-10.60	-39.55	1.80	-41.31	-70.61	-41.44	-70.48	1.97
9	2	978	-11.18	-34.82	-11.57	-34.43	-3.02	-41.53	-70.59	-41.76	-70.36	-2.56
9	2	979	-10.27	-26.70	-16.93	-20.03	-8.07	46.02	15.09	45.88	15.23	-2.08
9	2	996	-13.99	-24.63	-14.01	-24.61	0.46	4.26	-6.42	0.90	-3.07	-4.96
9	2	997	-14.72	-35.29	-15.16	-34.85	2.98	53.05	13.01	14.14	51.91	-6.64
9	2	998	-14.41	-32.13	-14.86	-31.69	-2.77	55.41	14.57	15.45	54.53	5.94
9	2	999	-13.74	-18.56	-13.74	-18.55	0.15	4.55	-6.13	0.83	-2.42	5.09
9	36	956	-5.17	-40.94	-13.81	-32.30	15.31	3.11	-3.18	-1.19	1.13	2.92
9	36	957	-5.55	-34.16	-6.14	-33.57	4.07	46.62	14.71	14.89	46.44	2.39
9	36	958	-5.70	-28.74	-6.00	-28.44	-2.61	44.72	13.96	14.15	44.53	-2.45
9	36	959	-4.73	-24.34	-10.51	-18.56	-8.94	2.45	-3.55	-1.38	0.28	-2.88
9	36	976	-4.06	-26.61	-9.77	-20.91	9.80	26.01	8.31	25.83	8.48	1.73
9	36	977	-5.90	-29.21	-6.32	-28.79	3.11	-23.46	-40.27	-23.55	-40.18	1.18
9	36	978	-7.09	-24.67	-7.10	-24.66	-0.44	-23.56	-40.34	-23.69	-40.20	-1.49
9	36	979	-7.84	-17.10	-11.04	-13.90	-4.40	25.94	8.38	25.84	8.47	-1.30
9	36	996	-7.47	-17.61	-8.08	-17.00	2.41	2.54	-3.50	0.78	-1.75	-2.74
9	36	997	-8.69	-26.33	-9.74	-25.29	4.16	30.16	7.39	8.04	29.50	-3.81
9	36	998	-10.34	-22.39	-10.35	-22.38	-0.25	31.55	8.29	8.79	31.05	3.37
9	36	999	-9.45	-13.77	-10.11	-13.11	1.56	2.54	-3.51	0.43	-1.39	2.89
9	39	956	-7.53	-37.27	-12.84	-31.96	11.40	3.13	-3.16	-1.18	1.15	2.92
9	39	957	-6.51	-35.30	-6.51	-35.30	-0.14	46.66	14.73	14.91	46.48	2.39
9	39	958	-5.69	-31.84	-7.90	-29.63	-7.28	44.76	13.97	14.17	44.57	-2.44
9	39	959	-3.11	-31.63	-13.62	-21.12	-13.76	2.45	-3.54	-1.38	0.29	-2.88
9	39	976	-8.32	-24.28	-10.83	-21.77	5.82	26.01	8.32	25.84	8.50	1.74
9	39	977	-7.30	-30.05	-7.36	-29.99	-1.20	-23.44	-40.24	-23.53	-40.16	1.18
9	39	978	-6.80	-27.46	-8.17	-26.09	-5.13	-23.55	-40.32	-23.68	-40.19	-1.49
9	39	979	-4.27	-22.83	-12.09	-15.00	-9.17	25.93	8.38	25.83	8.47	-1.31
9	39	996	-10.86	-19.38	-11.20	-19.05	-1.65	2.55	-3.49	0.79	-1.74	-2.74
9	39	997	-11.50	-26.03	-11.50	-26.02	-0.24	30.14	7.39	8.04	29.49	-3.81
9	39	998	-8.60	-25.58	-10.21	-23.97	-4.97	31.54	8.29	8.79	31.04	3.37
9	39	999	-6.45	-14.12	-8.10	-12.47	-3.15	2.55	-3.50	0.43	-1.39	2.88
9	68	956	-5.70	-40.34	-13.75	-32.29	14.63	3.12	-3.17	-1.19	1.13	2.92
9	68	957	-5.92	-34.34	-6.32	-33.95	3.32	46.62	14.72	14.90	46.44	2.39
9	68	958	-5.90	-29.26	-6.42	-28.73	-3.46	44.73	13.96	14.16	44.54	-2.45
9	68	959	-4.51	-25.70	-11.13	-19.08	-9.82	2.45	-3.55	-1.38	0.28	-2.88
9	68	976	-4.97	-26.22	-10.08	-21.10	9.09	26.01	8.31	25.84	8.48	1.73
9	68	977	-6.38	-29.30	-6.62	-29.06	2.32	-23.46	-40.26	-23.54	-40.18	1.18
9	68	978	-7.29	-25.10	-7.38	-25.00	-1.31	-23.55	-40.33	-23.69	-40.20	-1.49

9	68	979	-7.26	-18.21	-11.31	-14.16	-5.28	25.94	8.38	25.84	8.47	-1.30
9	68	996	-8.45	-17.70	-8.76	-17.39	1.66	2.54	-3.50	0.78	-1.74	-2.74
9	68	997	-9.45	-26.16	-10.15	-25.47	3.34	30.16	7.39	8.04	29.50	-3.81
9	68	998	-10.28	-22.85	-10.38	-22.75	-1.13	31.55	8.29	8.79	31.05	3.37
9	68	999	-9.64	-13.18	-9.77	-13.05	0.68	2.54	-3.51	0.43	-1.39	2.89
9	71	956	-7.00	-38.28	-13.19	-32.09	12.46	3.12	-3.16	-1.18	1.14	2.92
9	71	957	-6.47	-34.94	-6.50	-34.90	0.99	46.65	14.73	14.91	46.47	2.39
9	71	958	-5.92	-30.94	-7.47	-29.39	-6.04	44.75	13.97	14.16	44.56	-2.44
9	71	959	-3.61	-29.73	-12.84	-20.49	-12.49	2.45	-3.54	-1.38	0.28	-2.88
9	71	976	-7.36	-24.91	-10.69	-21.58	6.88	26.01	8.32	25.84	8.49	1.74
9	71	977	-7.20	-29.73	-7.20	-29.73	-6.02e-02	-23.45	-40.25	-23.53	-40.16	1.18
9	71	978	-7.16	-26.61	-7.98	-25.80	-3.90	-23.55	-40.33	-23.68	-40.19	-1.49
9	71	979	-5.29	-21.38	-11.90	-14.77	-7.92	25.93	8.38	25.83	8.47	-1.30
9	71	996	-10.44	-18.57	-10.49	-18.53	-0.59	2.54	-3.49	0.79	-1.74	-2.74
9	71	997	-11.07	-25.93	-11.13	-25.88	0.90	30.15	7.39	8.04	29.49	-3.81
9	71	998	-9.32	-24.61	-10.30	-23.63	-3.75	31.54	8.29	8.79	31.04	3.37
9	71	999	-7.88	-13.46	-8.65	-12.69	-1.93	2.55	-3.50	0.43	-1.39	2.89
9	74	956	-6.68	-40.42	-14.28	-32.83	14.09	3.57	-3.99	-1.45	1.03	3.57
9	74	957	-6.76	-35.21	-6.98	-34.98	2.53	55.12	17.28	17.50	54.90	2.86
9	74	958	-6.51	-30.50	-7.35	-29.66	-4.40	52.82	16.34	16.60	52.56	-3.07
9	74	959	-4.60	-27.80	-12.25	-20.14	-10.91	2.88	-4.39	-1.53	7.82e-03	-3.55
9	74	976	-6.59	-26.31	-11.13	-21.77	8.30	31.02	9.92	30.83	10.11	1.97
9	74	977	-7.42	-30.04	-7.51	-29.94	1.44	-28.16	-48.20	-28.25	-48.11	1.37
9	74	978	-7.94	-26.27	-8.23	-25.98	-2.29	-28.30	-48.23	-28.45	-48.07	-1.76
9	74	979	-7.20	-19.97	-12.22	-14.95	-6.24	31.29	10.20	31.19	10.31	-1.47
9	74	996	-10.08	-18.43	-10.13	-18.38	0.61	2.96	-4.31	0.74	-2.09	-3.35
9	74	997	-10.76	-26.63	-11.12	-26.27	2.37	36.18	8.87	9.65	35.40	-4.55
9	74	998	-10.55	-24.14	-10.89	-23.79	-2.14	37.81	9.94	10.54	37.21	4.05
9	74	999	-9.92	-13.63	-9.92	-13.63	-0.13	3.09	-4.19	0.55	-1.65	3.47
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-53.26	-19.36	-46.14	-14.44		-70.61	-41.76	-70.48	-6.64
			-3.11		-6.00	-12.47	18.44	80.14		45.88	79.82	5.94

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
10	2	967	-4.65	-21.17	-18.49	-7.32	6.09	-0.91	-15.21	-6.98	-9.14	7.07
10	2	968	-8.83	-15.59	-12.86	-11.56	3.32	118.36	35.78	37.44	116.70	11.60
10	2	969	-10.65	-16.56	-11.34	-15.87	-1.90	119.52	36.60	38.02	118.10	-10.77
10	2	970	-6.93	-28.90	-16.94	-18.89	-10.94	-1.15	-15.60	-8.62	-8.13	-7.22
10	2	987	-7.68	-22.46	-22.46	-7.68	-0.23	111.86	36.09	110.70	37.25	9.33
10	2	988	-9.54	-19.65	-19.60	-9.60	0.77	-59.48	-100.06	-74.68	-84.87	19.64
10	2	989	-11.30	-19.09	-18.87	-11.52	-1.30	-60.24	-100.17	-74.80	-85.62	-19.22
10	2	990	-8.18	-22.83	-20.80	-10.21	-5.06	108.42	34.04	107.09	35.38	-9.89
10	2	1007	-9.80	-24.07	-23.54	-10.32	-2.68	88.03	26.10	85.56	28.57	-12.12
10	2	1008	-9.79	-21.32	-21.27	-9.85	-0.76	-30.84	-82.78	-55.35	-58.27	-25.93
10	2	1009	-9.68	-21.31	-21.31	-9.68	-0.17	-31.24	-82.70	-55.25	-58.70	25.67
10	2	1010	-8.32	-25.21	-25.13	-8.39	-1.14	83.87	23.24	81.03	26.07	12.81
10	2	1020	-10.26	-27.00	-23.14	-14.12	-7.05	-2.39	-14.57	-6.88	-10.09	-5.87
10	2	1021	-11.14	-18.78	-18.57	-11.35	-1.25	131.72	41.07	41.72	131.06	-7.69
10	2	1022	-10.54	-18.81	-18.77	-10.57	0.56	132.59	41.30	41.84	132.04	7.02
10	2	1023	-8.40	-26.59	-24.31	-10.67	6.02	-3.17	-15.09	-9.12	-9.14	5.96
10	4	967	-4.64	-21.17	-18.49	-7.32	6.09	-0.91	-15.21	-6.98	-9.14	7.07
10	4	968	-8.83	-15.59	-12.86	-11.56	3.32	118.36	35.78	37.44	116.70	11.60
10	4	969	-10.65	-16.56	-11.34	-15.87	-1.90	119.52	36.60	38.02	118.10	-10.77
10	4	970	-6.93	-28.90	-16.94	-18.89	-10.94	-1.15	-15.60	-8.62	-8.13	-7.22
10	4	987	-7.68	-22.46	-22.46	-7.68	-0.23	111.86	36.09	110.70	37.25	9.33
10	4	988	-9.54	-19.65	-19.59	-9.60	0.77	-59.48	-100.06	-74.68	-84.87	19.64
10	4	989	-11.29	-19.09	-18.87	-11.52	-1.30	-60.24	-100.17	-74.80	-85.62	-19.22
10	4	990	-8.17	-22.83	-20.80	-10.21	-5.06	108.42	34.04	107.09	35.38	-9.89
10	4	1007	-9.80	-24.07	-23.54	-10.32	-2.68	88.03	26.10	85.56	28.57	-12.12
10	4	1008	-9.79	-21.32	-21.27	-9.84	-0.76	-30.84	-82.78	-55.35	-58.27	-25.93
10	4	1009	-9.68	-21.31	-21.31	-9.68	-0.17	-31.24	-82.70	-55.25	-58.70	25.67
10	4	1010	-8.32	-25.21	-25.13	-8.39	-1.14	83.87	23.24	81.03	26.07	12.81
10	4	1020	-10.25	-27.00	-23.14	-14.12	-7.05	-2.39	-14.57	-6.88	-10.09	-5.87
10	4	1021	-11.14	-18.78	-18.57	-11.35	-1.25	131.72	41.07	41.72	131.06	-7.69
10	4	1022	-10.53	-18.81	-18.77	-10.57	0.56	132.59	41.30	41.84	132.04	7.02
10	4	1023	-8.40	-26.58	-24.31	-10.67	6.02	-3.17	-15.09	-9.12	-9.14	5.96
10	19	967	-3.16	-14.35	-13.06	-4.45	3.57	-0.52	-8.69	-4.07	-5.14	4.05
10	19	968	-6.97	-10.27	-9.23	-8.01	1.54	67.87	20.56	21.51	66.92	6.64
10	19	969	-7.28	-13.16	-8.81	-11.63	-2.58	68.57	21.01	21.83	67.75	-6.16

10	19	970	-4.72	-23.45	-13.53	-14.63	-9.35	-0.63	-8.85	-4.87	-4.62	-4.11
10	19	987	-4.99	-16.59	-16.52	-5.06	-0.91	63.97	20.61	63.30	21.28	5.35
10	19	988	-6.56	-14.73	-14.72	-6.57	-0.24	-34.00	-57.25	-42.71	-48.54	11.26
10	19	989	-7.76	-15.14	-14.61	-8.28	-1.90	-34.54	-57.39	-42.87	-49.06	-11.00
10	19	990	-5.51	-18.42	-16.22	-7.71	-4.85	62.19	19.57	61.44	20.32	-5.62
10	19	1007	-6.76	-18.52	-17.97	-7.30	-2.46	50.32	14.89	48.90	16.30	-6.93
10	19	1008	-6.66	-16.39	-16.27	-6.79	-1.08	-17.60	-47.29	-31.60	-33.29	-14.82
10	19	1009	-6.75	-16.61	-16.57	-6.79	-0.67	-17.84	-47.37	-31.57	-33.64	14.73
10	19	1010	-5.66	-19.72	-19.55	-5.83	-1.53	48.19	13.42	46.57	15.04	7.33
10	19	1020	-7.15	-20.57	-17.63	-10.09	-5.55	-1.41	-8.34	-4.01	-5.74	-3.36
10	19	1021	-7.66	-14.49	-14.21	-7.94	-1.37	75.38	23.54	23.92	75.01	-4.41
10	19	1022	-7.35	-14.49	-14.49	-7.35	8.18e-02	75.99	23.66	23.97	75.68	4.05
10	19	1023	-5.96	-19.97	-18.70	-7.23	4.03	-1.79	-8.61	-5.10	-5.29	3.41
10	51	967	-2.99	-14.80	-13.25	-4.54	4.00	-0.52	-8.69	-4.07	-5.14	4.05
10	51	968	-6.51	-10.65	-9.22	-7.94	1.97	67.89	20.57	21.51	66.94	6.62
10	51	969	-7.41	-12.58	-8.52	-11.47	-2.12	68.55	21.01	21.82	67.73	-6.17
10	51	970	-4.74	-22.54	-13.04	-14.25	-8.88	-0.63	-8.86	-4.87	-4.62	-4.11
10	51	987	-4.96	-16.58	-16.55	-4.99	-0.55	63.95	20.60	63.27	21.27	5.36
10	51	988	-6.47	-14.62	-14.62	-6.47	0.11	-34.02	-57.27	-42.73	-48.57	11.25
10	51	989	-7.77	-14.68	-14.33	-8.13	-1.53	-34.51	-57.37	-42.85	-49.03	-11.01
10	51	990	-5.55	-17.78	-15.85	-7.49	-4.46	62.20	19.57	61.44	20.32	-5.64
10	51	1007	-6.64	-18.25	-17.80	-7.08	-2.23	50.30	14.88	48.88	16.29	-6.94
10	51	1008	-6.57	-16.16	-16.08	-6.65	-0.87	-17.63	-47.33	-31.63	-33.33	-14.83
10	51	1009	-6.64	-16.29	-16.27	-6.67	-0.46	-17.85	-47.37	-31.60	-33.62	14.72
10	51	1010	-5.67	-19.34	-19.22	-5.80	-1.29	48.20	13.43	46.58	15.04	7.32
10	51	1020	-7.06	-20.22	-17.45	-9.84	-5.37	-1.41	-8.34	-4.01	-5.74	-3.36
10	51	1021	-7.56	-14.24	-14.02	-7.79	-1.20	75.41	23.53	23.91	75.03	-4.40
10	51	1022	-7.25	-14.27	-14.26	-7.26	0.24	75.95	23.65	23.96	75.63	4.05
10	51	1023	-5.88	-19.89	-18.49	-7.28	4.19	-1.79	-8.61	-5.11	-5.29	3.41
10	74	967	-3.13	-15.72	-13.73	-5.12	4.59	-0.62	-10.39	-4.80	-6.21	4.83
10	74	968	-6.34	-11.51	-9.47	-8.37	2.53	80.99	24.50	25.63	79.86	7.92
10	74	969	-7.78	-12.31	-8.35	-11.74	-1.51	81.75	25.04	26.01	80.78	-7.37
10	74	970	-5.02	-21.80	-12.66	-14.17	-8.35	-0.77	-10.63	-5.86	-5.55	-4.93
10	74	987	-5.38	-16.86	-16.86	-5.39	-0.13	76.42	24.64	75.62	25.44	6.39
10	74	988	-6.81	-14.75	-14.71	-6.85	0.59	-40.67	-68.42	-51.06	-58.03	13.43
10	74	989	-8.23	-14.33	-14.16	-8.40	-1.02	-41.17	-68.49	-51.13	-58.52	-13.15
10	74	990	-5.93	-17.21	-15.61	-7.52	-3.93	74.19	23.30	73.27	24.22	-6.76
10	74	1007	-6.98	-18.13	-17.76	-7.35	-1.99	60.13	17.81	58.44	19.50	-8.29
10	74	1008	-6.96	-16.07	-16.04	-7.00	-0.58	-21.09	-56.60	-37.84	-39.85	-17.72
10	74	1009	-6.96	-16.07	-16.07	-6.97	-0.15	-21.35	-56.55	-37.78	-40.13	17.56
10	74	1010	-6.04	-19.07	-19.00	-6.11	-0.93	57.43	15.94	55.49	17.88	8.74
10	74	1020	-7.40	-20.20	-17.44	-10.16	-5.26	-1.65	-9.96	-4.73	-6.88	-4.01
10	74	1021	-7.97	-14.13	-13.98	-8.13	-0.96	90.07	28.08	28.53	89.63	-5.25
10	74	1022	-7.60	-14.18	-14.16	-7.63	0.43	90.64	28.23	28.61	90.26	4.81
10	74	1023	-6.12	-20.06	-18.41	-7.78	4.51	-2.16	-10.30	-6.19	-6.27	4.07
10	76	967	-3.13	-15.72	-13.73	-5.11	4.59	-0.62	-10.39	-4.80	-6.21	4.83
10	76	968	-6.34	-11.51	-9.47	-8.37	2.53	80.99	24.50	25.63	79.86	7.92
10	76	969	-7.77	-12.31	-8.35	-11.74	-1.51	81.75	25.04	26.01	80.78	-7.37
10	76	970	-5.02	-21.80	-12.66	-14.17	-8.36	-0.77	-10.63	-5.86	-5.55	-4.93
10	76	987	-5.38	-16.86	-16.86	-5.38	-0.13	76.42	24.64	75.62	25.44	6.39
10	76	988	-6.80	-14.75	-14.70	-6.85	0.59	-40.67	-68.42	-51.06	-58.03	13.43
10	76	989	-8.23	-14.33	-14.16	-8.40	-1.02	-41.17	-68.49	-51.13	-58.52	-13.15
10	76	990	-5.92	-17.21	-15.61	-7.52	-3.93	74.19	23.30	73.27	24.22	-6.76
10	76	1007	-6.98	-18.13	-17.76	-7.34	-1.99	60.13	17.81	58.44	19.50	-8.29
10	76	1008	-6.96	-16.07	-16.03	-7.00	-0.58	-21.09	-56.60	-37.84	-39.85	-17.72
10	76	1009	-6.96	-16.07	-16.07	-6.97	-0.15	-21.35	-56.55	-37.78	-40.13	17.56
10	76	1010	-6.04	-19.07	-19.00	-6.11	-0.94	57.43	15.94	55.49	17.88	8.74
10	76	1020	-7.40	-20.20	-17.44	-10.16	-5.26	-1.65	-9.96	-4.73	-6.88	-4.01
10	76	1021	-7.97	-14.13	-13.98	-8.13	-0.96	90.07	28.08	28.53	89.63	-5.25
10	76	1022	-7.60	-14.18	-14.16	-7.63	0.43	90.64	28.23	28.61	90.26	4.81
10	76	1023	-6.12	-20.06	-18.41	-7.78	4.51	-2.16	-10.30	-6.19	-6.27	4.07
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-28.90	-25.13	-18.89	-10.94		-100.17	-74.80	-85.62	-25.93
			-2.99		-8.35	-4.45	6.09	132.59		110.70	132.04	25.67

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
11	2	1016	-13.29	-29.62	-19.25	-23.65	7.86	3.87	-8.03	-1.97	-2.19	5.95
11	2	1017	-15.07	-25.25	-15.08	-25.24	0.39	73.88	21.58	21.98	73.48	4.54
11	2	1018	-14.35	-23.42	-14.74	-23.03	-1.83	70.75	20.18	20.81	70.12	-5.59

11	2	1019	-10.69	-26.84	-18.15	-19.38	-8.05	4.04	-7.89	-0.73	-3.13	-5.84
11	2	1045	-19.21	-23.64	-23.64	-19.21	2.15e-02	46.09	15.20	46.02	15.26	1.39
11	2	1046	-18.50	-23.50	-18.58	-23.41	-0.64	-42.83	-71.70	-42.93	-71.60	1.64
11	2	1047	-16.95	-21.79	-17.37	-21.37	-1.36	-43.10	-71.23	-43.26	-71.07	-2.13
11	2	1048	-15.00	-21.44	-20.63	-15.81	-2.14	48.78	16.87	48.76	16.88	-0.71
11	2	1065	-15.57	-38.22	-27.55	-26.24	-11.30	4.11	-7.26	-0.32	-2.83	-5.54
11	2	1066	-15.60	-25.97	-17.81	-23.76	-4.24	55.60	14.23	15.27	54.56	-6.46
11	2	1067	-14.84	-23.82	-15.30	-23.36	-1.98	57.81	15.45	16.41	56.84	6.32
11	2	1068	-12.97	-23.38	-17.68	-18.67	5.18	4.97	-6.59	0.59	-2.22	5.61
11	4	1016	-13.28	-29.61	-19.25	-23.65	7.86	3.87	-8.03	-1.97	-2.19	5.95
11	4	1017	-15.06	-25.25	-15.08	-25.24	0.39	73.88	21.58	21.98	73.48	4.54
11	4	1018	-14.35	-23.41	-14.74	-23.03	-1.83	70.75	20.18	20.81	70.12	-5.59
11	4	1019	-10.69	-26.84	-18.15	-19.38	-8.05	4.04	-7.89	-0.73	-3.13	-5.84
11	4	1045	-19.21	-23.64	-23.64	-19.21	2.16e-02	46.09	15.20	46.02	15.26	1.39
11	4	1046	-18.50	-23.50	-18.58	-23.41	-0.64	-42.83	-71.70	-42.93	-71.60	1.64
11	4	1047	-16.94	-21.78	-17.36	-21.36	-1.36	-43.10	-71.23	-43.26	-71.07	-2.13
11	4	1048	-15.00	-21.44	-20.63	-15.81	-2.14	48.78	16.87	48.76	16.88	-0.71
11	4	1065	-15.57	-38.21	-27.55	-26.24	-11.30	4.11	-7.26	-0.32	-2.83	-5.54
11	4	1066	-15.60	-25.96	-17.80	-23.76	-4.24	55.60	14.23	15.27	54.56	-6.46
11	4	1067	-14.84	-23.82	-15.30	-23.36	-1.98	57.81	15.45	16.41	56.84	6.32
11	4	1068	-12.97	-23.38	-17.68	-18.67	5.18	4.97	-6.59	0.59	-2.22	5.61
11	9	1016	-9.91	-21.01	-14.05	-16.87	5.37	2.36	-4.49	-0.88	-1.25	3.42
11	9	1017	-11.03	-18.42	-11.03	-18.42	-0.12	42.32	12.40	12.64	42.08	2.66
11	9	1018	-10.20	-17.46	-10.81	-16.86	-2.01	40.63	11.61	11.95	40.28	-3.14
11	9	1019	-7.32	-20.55	-13.42	-14.46	-6.59	2.24	-4.49	-0.53	-1.72	-3.31
11	9	1045	-13.89	-17.96	-17.88	-13.98	-0.58	26.86	8.97	26.83	9.01	0.80
11	9	1046	-13.53	-17.35	-13.94	-16.93	-1.18	-24.51	-40.93	-24.57	-40.88	0.96
11	9	1047	-11.83	-16.58	-12.73	-15.68	-1.87	-24.62	-40.80	-24.71	-40.71	-1.21
11	9	1048	-10.27	-16.27	-14.93	-11.61	-2.50	27.71	9.52	27.70	9.53	-0.43
11	9	1065	-11.14	-29.52	-21.42	-19.24	-9.13	2.48	-3.95	0.11	-1.58	-3.10
11	9	1066	-10.83	-19.82	-13.66	-16.99	-4.17	31.82	8.14	8.75	31.21	-3.76
11	9	1067	-10.23	-18.12	-11.18	-17.18	-2.56	33.15	8.87	9.40	32.61	3.58
11	9	1068	-10.27	-15.56	-12.48	-13.35	2.61	2.78	-3.79	0.23	-1.24	3.20
11	12	1016	-8.89	-21.85	-13.36	-17.39	6.16	2.33	-4.50	-0.91	-1.27	3.41
11	12	1017	-10.09	-17.98	-10.16	-17.91	0.76	42.29	12.38	12.62	42.05	2.66
11	12	1018	-9.74	-15.96	-9.84	-15.85	-0.80	40.61	11.62	11.96	40.26	-3.15
11	12	1019	-7.32	-17.59	-12.26	-12.65	-5.13	2.25	-4.49	-0.52	-1.72	-3.32
11	12	1045	-13.55	-16.14	-15.94	-13.74	0.69	26.82	8.94	26.78	8.98	0.79
11	12	1046	-12.47	-16.70	-12.49	-16.68	0.24	-24.55	-40.96	-24.60	-40.91	0.96
11	12	1047	-11.88	-14.59	-11.89	-14.58	-0.19	-24.62	-40.80	-24.71	-40.71	-1.21
11	12	1048	-10.19	-14.55	-14.43	-10.31	-0.71	27.73	9.53	27.72	9.54	-0.42
11	12	1065	-11.27	-26.03	-18.56	-18.73	-7.38	2.46	-3.98	8.66e-02	-1.60	-3.11
11	12	1066	-10.99	-17.84	-11.79	-17.04	-2.20	31.79	8.12	8.73	31.18	-3.75
11	12	1067	-10.40	-16.04	-10.42	-16.02	-0.40	33.14	8.87	9.42	32.60	3.59
11	12	1068	-7.86	-17.33	-12.56	-12.63	4.73	2.79	-3.79	0.23	-1.24	3.21
11	41	1016	-9.70	-21.20	-13.92	-16.98	5.54	2.35	-4.49	-0.89	-1.25	3.42
11	41	1017	-10.87	-18.32	-10.87	-18.31	7.75e-02	42.31	12.40	12.63	42.07	2.66
11	41	1018	-10.15	-17.13	-10.62	-16.66	-1.74	40.62	11.61	11.95	40.28	-3.14
11	41	1019	-7.34	-19.93	-13.18	-14.09	-6.27	2.24	-4.49	-0.53	-1.72	-3.31
11	41	1045	-13.91	-17.53	-17.50	-13.93	-0.31	26.85	8.97	26.82	9.00	0.80
11	41	1046	-13.43	-17.11	-13.66	-16.88	-0.88	-24.52	-40.94	-24.58	-40.88	0.96
11	41	1047	-11.92	-16.11	-12.57	-15.46	-1.51	-24.62	-40.80	-24.71	-40.71	-1.21
11	41	1048	-10.35	-15.84	-14.83	-11.36	-2.12	27.72	9.52	27.71	9.53	-0.43
11	41	1065	-11.18	-28.80	-20.85	-19.13	-8.77	2.48	-3.95	0.11	-1.58	-3.10
11	41	1066	-10.95	-19.34	-13.29	-17.00	-3.76	31.81	8.14	8.75	31.20	-3.75
11	41	1067	-10.36	-17.63	-11.04	-16.95	-2.11	33.15	8.87	9.41	32.61	3.58
11	41	1068	-9.79	-15.94	-12.51	-13.21	3.06	2.78	-3.79	0.23	-1.24	3.20
11	44	1016	-9.10	-21.66	-13.48	-17.28	5.98	2.33	-4.50	-0.90	-1.26	3.41
11	44	1017	-10.29	-18.05	-10.33	-18.01	0.57	42.29	12.38	12.62	42.05	2.66
11	44	1018	-9.85	-16.23	-10.03	-16.05	-1.06	40.61	11.62	11.96	40.26	-3.14
11	44	1019	-7.30	-18.21	-12.50	-13.01	-5.45	2.25	-4.49	-0.52	-1.72	-3.32
11	44	1045	-13.72	-16.39	-16.32	-13.79	0.42	26.83	8.95	26.79	8.99	0.79
11	44	1046	-12.77	-16.73	-12.77	-16.73	-6.00e-02	-24.54	-40.96	-24.60	-40.90	0.96
11	44	1047	-11.95	-14.89	-12.05	-14.79	-0.54	-24.62	-40.80	-24.71	-40.71	-1.21
11	44	1048	-10.29	-14.81	-14.52	-10.57	-1.09	27.72	9.53	27.71	9.54	-0.42
11	44	1065	-11.24	-26.73	-19.13	-18.83	-7.74	2.47	-3.97	9.10e-02	-1.60	-3.11
11	44	1066	-11.03	-18.16	-12.16	-17.03	-2.61	31.80	8.13	8.74	31.19	-3.75
11	44	1067	-10.44	-16.37	-10.57	-16.24	-0.85	33.14	8.87	9.41	32.60	3.59
11	44	1068	-8.35	-16.94	-12.53	-12.76	4.29	2.79	-3.79	0.23	-1.24	3.21
11	74	1016	-9.80	-22.11	-14.25	-17.67	5.91	2.70	-5.45	-1.25	-1.50	4.07
11	74	1017	-11.07	-18.80	-11.08	-18.78	0.32	50.51	14.77	15.05	50.24	3.13
11	74	1018	-10.51	-17.32	-10.81	-17.02	-1.39	48.42	13.82	14.25	48.00	-3.80
11	74	1019	-7.76	-19.82	-13.36	-14.22	-6.01	2.73	-5.38	-0.54	-2.11	-3.98
11	74	1045	-14.33	-17.54	-17.54	-14.33	3.91e-02	31.71	10.50	31.66	10.54	0.95
11	74	1046	-13.68	-17.47	-13.74	-17.41	-0.48	-29.29	-48.98	-29.35	-48.91	1.13
11	74	1047	-12.49	-16.09	-12.82	-15.77	-1.03	-29.44	-48.71	-29.55	-48.60	-1.45
11	74	1048	-10.94	-15.86	-15.25	-11.55	-1.62	33.26	11.48	33.25	11.49	-0.49
11	74	1065	-11.61	-28.59	-20.60	-19.60	-8.47	2.86	-4.88	-9.64e-02	-1.92	-3.76
11	74	1066	-11.51	-19.34	-13.21	-17.64	-3.22	38.00	9.72	10.44	37.29	-4.44

11	74	1067	-10.92	-17.63	-11.27	-17.27	-1.50	39.54	10.57	11.23	38.89	4.31
11	74	1068	-9.52	-17.19	-13.04	-13.67	3.83	3.37	-4.51	0.36	-1.50	3.83
11	76	1016	-9.80	-22.11	-14.25	-17.67	5.91	2.70	-5.45	-1.25	-1.50	4.07
11	76	1017	-11.07	-18.79	-11.08	-18.78	0.32	50.51	14.77	15.05	50.24	3.13
11	76	1018	-10.51	-17.32	-10.81	-17.02	-1.39	48.42	13.82	14.25	48.00	-3.80
11	76	1019	-7.76	-19.81	-13.36	-14.22	-6.01	2.73	-5.38	-0.54	-2.11	-3.98
11	76	1045	-14.33	-17.54	-17.54	-14.33	3.92e-02	31.71	10.50	31.66	10.54	0.95
11	76	1046	-13.68	-17.47	-13.74	-17.41	-0.48	-29.29	-48.98	-29.35	-48.91	1.13
11	76	1047	-12.49	-16.09	-12.82	-15.77	-1.03	-29.44	-48.71	-29.55	-48.60	-1.45
11	76	1048	-10.94	-15.86	-15.25	-11.55	-1.62	33.26	11.48	33.25	11.49	-0.49
11	76	1065	-11.61	-28.59	-20.60	-19.60	-8.47	2.86	-4.88	-9.64e-02	-1.92	-3.76
11	76	1066	-11.51	-19.34	-13.21	-17.64	-3.22	38.00	9.72	10.44	37.29	-4.44
11	76	1067	-10.92	-17.63	-11.27	-17.27	-1.50	39.54	10.57	11.23	38.89	4.31
11	76	1068	-9.52	-17.19	-13.04	-13.66	3.83	3.37	-4.51	0.36	-1.50	3.83

M_G	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
		-38.22	-27.55	-26.24	-11.30		-71.70	-43.26	-71.60	-6.46
	-7.30		-9.84	-10.31	7.86	73.88		48.76	73.48	6.32

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
12	2	1056	-9.89	-27.59	-23.26	-14.22	7.61	-2.60	-16.65	-8.38	-10.87	6.91
12	2	1057	-10.53	-19.75	-19.33	-10.95	1.92	128.19	39.26	40.99	126.46	12.29
12	2	1058	-10.38	-19.42	-19.41	-10.38	-0.20	129.01	39.69	41.22	127.48	-11.57
12	2	1059	-8.45	-25.21	-23.44	-10.22	-5.15	-3.45	-17.94	-11.00	-10.40	-7.24
12	2	1086	-8.87	-24.54	-24.21	-9.20	2.24	125.67	39.64	123.99	41.33	11.93
12	2	1087	-9.34	-22.02	-21.97	-9.38	0.76	-54.78	-105.85	-79.47	-81.16	25.52
12	2	1088	-9.48	-21.71	-21.65	-9.54	0.85	-55.30	-106.26	-79.68	-81.89	-25.45
12	2	1089	-8.16	-25.16	-24.77	-8.55	2.55	121.63	37.33	119.80	39.16	-12.26
12	2	1106	-6.76	-23.00	-22.99	-6.76	-0.35	124.90	39.22	123.14	40.97	-12.14
12	2	1107	-9.43	-19.71	-19.60	-9.53	-1.04	-54.38	-106.09	-79.26	-81.21	-25.83
12	2	1108	-11.76	-18.74	-18.43	-12.07	1.44	-55.20	-106.01	-79.37	-81.84	25.38
12	2	1109	-8.06	-22.68	-19.92	-10.83	5.73	121.57	37.11	119.61	39.07	12.70
12	2	1126	-3.67	-21.81	-18.50	-6.97	-7.00	-2.84	-17.15	-9.33	-10.67	-7.12
12	2	1127	-8.11	-16.09	-12.41	-11.80	-3.98	129.03	39.87	41.58	127.31	-12.24
12	2	1128	-10.35	-17.42	-10.85	-16.91	1.83	130.27	40.68	42.17	128.78	11.44
12	2	1129	-6.85	-29.67	-16.55	-19.97	11.28	-2.99	-17.49	-10.88	-9.60	7.22
12	4	1056	-9.89	-27.59	-23.26	-14.22	7.61	-2.60	-16.65	-8.38	-10.87	6.91
12	4	1057	-10.53	-19.75	-19.33	-10.94	1.92	128.19	39.26	40.99	126.46	12.29
12	4	1058	-10.38	-19.42	-19.41	-10.38	-0.20	129.01	39.69	41.22	127.48	-11.57
12	4	1059	-8.45	-25.21	-23.44	-10.22	-5.15	-3.45	-17.94	-11.00	-10.40	-7.24
12	4	1086	-8.87	-24.53	-24.21	-9.19	2.24	125.67	39.64	123.99	41.33	11.93
12	4	1087	-9.34	-22.02	-21.97	-9.38	0.76	-54.78	-105.85	-79.47	-81.16	25.52
12	4	1088	-9.48	-21.70	-21.64	-9.54	0.85	-55.30	-106.26	-79.68	-81.89	-25.45
12	4	1089	-8.16	-25.16	-24.77	-8.55	2.55	121.63	37.33	119.80	39.16	-12.26
12	4	1106	-6.76	-23.00	-22.99	-6.76	-0.35	124.90	39.22	123.14	40.97	-12.14
12	4	1107	-9.43	-19.70	-19.60	-9.53	-1.04	-54.38	-106.09	-79.26	-81.21	-25.83
12	4	1108	-11.75	-18.74	-18.43	-12.06	1.44	-55.20	-106.01	-79.37	-81.84	25.38
12	4	1109	-8.06	-22.68	-19.91	-10.82	5.73	121.57	37.11	119.61	39.07	12.70
12	4	1126	-3.67	-21.80	-18.50	-6.97	-7.00	-2.84	-17.15	-9.33	-10.67	-7.12
12	4	1127	-8.11	-16.09	-12.40	-11.80	-3.98	129.03	39.87	41.58	127.31	-12.24
12	4	1128	-10.34	-17.42	-10.85	-16.91	1.83	130.27	40.68	42.17	128.78	11.44
12	4	1129	-6.85	-29.67	-16.55	-19.97	11.28	-2.99	-17.49	-10.88	-9.60	7.22
12	11	1056	-6.56	-21.99	-18.09	-10.47	6.71	-1.52	-9.55	-4.88	-6.20	3.96
12	11	1057	-6.72	-15.59	-14.75	-7.56	2.60	73.44	22.50	23.50	72.45	7.04
12	11	1058	-7.06	-14.87	-14.77	-7.16	0.90	73.89	22.72	23.60	73.01	-6.65
12	11	1059	-6.03	-18.32	-17.67	-6.68	-2.74	-1.95	-10.20	-6.16	-5.98	-4.13
12	11	1086	-5.88	-18.96	-18.30	-6.54	2.86	71.90	22.66	70.94	23.62	6.81
12	11	1087	-6.05	-16.71	-16.40	-6.36	1.78	-31.29	-60.50	-45.40	-46.39	14.60
12	11	1088	-6.29	-17.01	-16.68	-6.62	1.87	-31.61	-60.83	-45.52	-46.92	-14.59
12	11	1089	-5.09	-19.88	-19.13	-5.84	3.25	69.80	21.47	68.75	22.51	-7.02
12	11	1106	-4.06	-16.74	-16.62	-4.18	1.22	71.44	22.40	70.43	23.41	-6.96
12	11	1107	-6.36	-14.52	-14.44	-6.43	0.76	-31.04	-60.67	-45.30	-46.41	-14.81
12	11	1108	-7.44	-15.13	-14.04	-8.53	2.69	-31.62	-60.71	-45.46	-46.88	14.53
12	11	1109	-4.61	-18.72	-15.32	-8.02	6.03	69.78	21.33	68.67	22.44	7.24
12	11	1126	-2.59	-13.80	-12.55	-3.84	-3.52	-1.63	-9.80	-5.43	-6.01	-4.08
12	11	1127	-7.05	-9.62	-8.57	-8.10	-1.27	73.99	22.92	23.90	73.02	-6.99
12	11	1128	-6.20	-13.95	-7.94	-12.20	3.23	74.77	23.37	24.22	73.92	6.55
12	11	1129	-3.82	-24.46	-13.00	-15.28	10.26	-1.69	-9.93	-6.16	-5.45	4.10
12	32	1056	-7.00	-19.70	-17.12	-9.58	5.11	-1.52	-9.56	-4.88	-6.20	3.96
12	32	1057	-7.31	-14.87	-14.72	-7.45	1.04	73.47	22.50	23.48	72.49	7.00

12	32	1058	-7.08	-14.85	-14.81	-7.12	-0.56	73.89	22.70	23.59	73.01	-6.67
12	32	1059	-5.77	-19.34	-17.94	-7.17	-4.13	-1.95	-10.21	-6.17	-5.98	-4.13
12	32	1086	-6.01	-18.61	-18.50	-6.12	1.15	71.80	22.61	70.83	23.58	6.84
12	32	1087	-6.36	-16.77	-16.77	-6.36	0.17	-31.38	-60.59	-45.46	-46.52	14.59
12	32	1088	-6.59	-16.58	-16.57	-6.60	0.35	-31.62	-60.84	-45.56	-46.90	-14.60
12	32	1089	-5.83	-19.18	-18.95	-6.06	1.73	69.79	21.46	68.75	22.51	-7.02
12	32	1106	-4.49	-17.50	-17.46	-4.54	-0.76	71.33	22.36	70.32	23.37	-6.97
12	32	1107	-6.46	-15.11	-14.97	-6.61	-1.12	-31.18	-60.77	-45.41	-46.54	-14.79
12	32	1108	-8.57	-14.29	-14.15	-8.71	0.89	-31.63	-60.73	-45.46	-46.91	14.53
12	32	1109	-6.12	-17.20	-15.26	-8.06	4.21	69.71	21.33	68.60	22.44	7.24
12	32	1126	-2.14	-16.69	-13.97	-4.86	-5.67	-1.63	-9.81	-5.43	-6.01	-4.08
12	32	1127	-5.46	-12.25	-9.30	-8.41	-3.37	74.00	22.91	23.88	73.03	-6.99
12	32	1128	-7.99	-12.78	-8.32	-12.44	1.22	74.67	23.34	24.19	73.82	6.55
12	32	1129	-5.65	-22.36	-12.86	-15.15	8.27	-1.69	-9.93	-6.17	-5.45	4.11
12	43	1056	-6.58	-21.32	-17.79	-10.11	6.29	-1.52	-9.56	-4.88	-6.20	3.96
12	43	1057	-6.81	-15.20	-14.58	-7.43	2.19	73.44	22.50	23.49	72.45	7.03
12	43	1058	-7.06	-14.66	-14.62	-7.10	0.51	73.87	22.71	23.59	72.99	-6.66
12	43	1059	-5.96	-18.42	-17.59	-6.79	-3.11	-1.95	-10.20	-6.17	-5.98	-4.13
12	43	1086	-5.86	-18.68	-18.22	-6.31	2.38	71.87	22.64	70.91	23.61	6.82
12	43	1087	-6.09	-16.56	-16.39	-6.27	1.32	-31.33	-60.54	-45.44	-46.43	14.60
12	43	1088	-6.33	-16.64	-16.44	-6.53	1.43	-31.62	-60.83	-45.56	-46.90	-14.59
12	43	1089	-5.27	-19.43	-18.85	-5.85	2.79	69.81	21.47	68.77	22.51	-7.01
12	43	1106	-4.17	-16.81	-16.78	-4.20	0.60	71.40	22.38	70.39	23.40	-6.97
12	43	1107	-6.39	-14.46	-14.46	-6.39	0.16	-31.08	-60.70	-45.32	-46.45	-14.80
12	43	1108	-7.75	-14.57	-13.86	-8.46	2.09	-31.59	-60.71	-45.44	-46.86	14.54
12	43	1109	-4.96	-17.95	-15.04	-7.87	5.41	69.76	21.33	68.65	22.44	7.25
12	43	1126	-2.40	-14.62	-12.93	-4.09	-4.22	-1.63	-9.81	-5.43	-6.01	-4.08
12	43	1127	-6.41	-10.38	-8.68	-8.10	-1.96	74.01	22.92	23.90	73.04	-6.98
12	43	1128	-6.67	-13.31	-7.85	-12.14	2.53	74.74	23.36	24.21	73.89	6.56
12	43	1129	-4.16	-23.42	-12.60	-14.98	9.55	-1.69	-9.93	-6.17	-5.46	4.11
12	64	1056	-6.85	-19.90	-17.19	-9.56	5.29	-1.52	-9.56	-4.88	-6.20	3.96
12	64	1057	-7.17	-14.76	-14.56	-7.37	1.22	73.46	22.50	23.48	72.48	7.00
12	64	1058	-7.04	-14.66	-14.64	-7.07	-0.39	73.87	22.70	23.58	72.98	-6.66
12	64	1059	-5.78	-19.08	-17.76	-7.10	-3.98	-1.95	-10.21	-6.18	-5.98	-4.13
12	64	1086	-5.92	-18.45	-18.31	-6.05	1.31	71.81	22.62	70.84	23.59	6.84
12	64	1087	-6.26	-16.60	-16.59	-6.27	0.32	-31.39	-60.60	-45.48	-46.51	14.60
12	64	1088	-6.48	-16.38	-16.36	-6.51	0.48	-31.63	-60.84	-45.58	-46.89	-14.59
12	64	1089	-5.72	-18.99	-18.73	-5.98	1.85	69.80	21.47	68.77	22.51	-7.01
12	64	1106	-4.39	-17.29	-17.26	-4.42	-0.64	71.34	22.36	70.32	23.38	-6.98
12	64	1107	-6.37	-14.87	-14.75	-6.49	-1.01	-31.17	-60.76	-45.39	-46.53	-14.79
12	64	1108	-8.39	-14.06	-13.89	-8.56	0.97	-31.60	-60.72	-45.44	-46.88	14.54
12	64	1109	-5.85	-16.99	-14.98	-7.87	4.29	69.72	21.32	68.60	22.44	7.25
12	64	1126	-2.09	-16.43	-13.79	-4.73	-5.56	-1.63	-9.81	-5.43	-6.01	-4.08
12	64	1127	-5.40	-11.99	-9.11	-8.29	-3.27	74.02	22.92	23.89	73.05	-6.98
12	64	1128	-7.69	-12.63	-8.05	-12.27	1.29	74.67	23.34	24.20	73.82	6.56
12	64	1129	-5.27	-22.09	-12.49	-14.87	8.33	-1.69	-9.94	-6.17	-5.46	4.11
12	74	1056	-7.11	-20.71	-17.57	-10.25	5.73	-1.79	-11.39	-5.76	-7.42	4.73
12	74	1057	-7.49	-14.89	-14.57	-7.82	1.52	87.66	26.85	28.03	86.48	8.39
12	74	1058	-7.49	-14.64	-14.64	-7.49	-0.11	88.19	27.13	28.17	87.14	-7.92
12	74	1059	-6.16	-18.98	-17.72	-7.42	-3.81	-2.35	-12.24	-7.47	-7.12	-4.94
12	74	1086	-6.28	-18.51	-18.28	-6.51	1.68	85.87	27.07	84.71	28.23	8.16
12	74	1087	-6.63	-16.61	-16.57	-6.67	0.61	-37.46	-72.38	-54.34	-55.50	17.45
12	74	1088	-6.82	-16.37	-16.31	-6.87	0.72	-37.80	-72.65	-54.47	-55.98	-17.41
12	74	1089	-5.90	-19.04	-18.71	-6.23	2.05	83.24	25.57	82.00	26.81	-8.38
12	74	1106	-4.70	-17.26	-17.25	-4.71	-0.29	85.33	26.78	84.12	27.98	-8.31
12	74	1107	-6.76	-14.76	-14.69	-6.83	-0.76	-37.19	-72.53	-54.18	-55.53	-17.66
12	74	1108	-8.58	-14.06	-13.81	-8.84	1.16	-37.72	-72.48	-54.25	-55.95	17.36
12	74	1109	-5.79	-17.12	-14.92	-8.00	4.49	83.17	25.41	81.84	26.74	8.68
12	74	1126	-2.42	-16.16	-13.70	-4.88	-5.27	-1.94	-11.72	-6.41	-7.25	-4.87
12	74	1127	-5.85	-11.85	-9.10	-8.60	-2.99	88.29	27.30	28.47	87.13	-8.35
12	74	1128	-7.52	-12.98	-7.96	-12.54	1.49	89.11	27.84	28.86	88.09	7.83
12	74	1129	-4.93	-22.43	-12.35	-15.01	8.65	-2.04	-11.92	-7.41	-6.55	4.92
12	76	1056	-7.11	-20.71	-17.57	-10.25	5.73	-1.79	-11.39	-5.76	-7.42	4.73
12	76	1057	-7.49	-14.89	-14.57	-7.82	1.52	87.66	26.85	28.03	86.48	8.39
12	76	1058	-7.49	-14.64	-14.64	-7.49	-0.11	88.19	27.13	28.17	87.14	-7.92
12	76	1059	-6.16	-18.98	-17.72	-7.42	-3.81	-2.35	-12.24	-7.47	-7.12	-4.94
12	76	1086	-6.28	-18.51	-18.27	-6.51	1.68	85.87	27.07	84.71	28.23	8.16
12	76	1087	-6.63	-16.61	-16.57	-6.67	0.61	-37.46	-72.38	-54.34	-55.50	17.45
12	76	1088	-6.82	-16.37	-16.31	-6.87	0.72	-37.80	-72.65	-54.47	-55.98	-17.41
12	76	1089	-5.90	-19.04	-18.71	-6.23	2.05	83.24	25.57	82.00	26.81	-8.38
12	76	1106	-4.70	-17.25	-17.25	-4.71	-0.29	85.33	26.78	84.12	27.98	-8.31
12	76	1107	-6.76	-14.76	-14.69	-6.83	-0.76	-37.19	-72.53	-54.18	-55.53	-17.66
12	76	1108	-8.58	-14.06	-13.80	-8.84	1.16	-37.72	-72.48	-54.25	-55.95	17.36
12	76	1109	-5.79	-17.12	-14.92	-7.99	4.49	83.17	25.41	81.84	26.74	8.68
12	76	1126	-2.42	-16.16	-13.70	-4.88	-5.27	-1.94	-11.72	-6.41	-7.25	-4.87
12	76	1127	-5.85	-11.85	-9.10	-8.60	-2.99	88.29	27.30	28.47	87.13	-8.35
12	76	1128	-7.52	-12.98	-7.96	-12.54	1.49	89.11	27.84	28.86	88.09	7.83
12	76	1129	-4.93	-22.43	-12.35	-15.01	8.65	-2.04	-11.92	-7.41	-6.55	4.92

M_G		N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			-29.67	-24.77	-19.97	-7.00		-106.26	-79.68	-81.89	-25.83
		-2.09		-7.85	-3.84	11.28	130.27		123.99	128.78	25.52

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
13	2	1070	-5.17	-24.09	-22.54	-6.73	-5.20	-3.08	-14.80	-4.17	-13.71	3.41
13	2	1071	-2.25	-38.27	-21.11	-19.40	-17.99	134.20	41.35	41.43	134.12	2.76
13	2	1072	-2.63	-44.19	-20.48	-26.34	-20.57	134.53	41.24	41.26	134.50	-1.55
13	2	1073	-9.71	-69.47	-36.61	-42.58	-29.73	-5.15	-12.35	-6.41	-11.09	-2.73
13	2	1080	8.39e-02	-41.55	-35.51	-5.96	-14.67	38.51	7.13	34.56	11.08	10.41
13	2	1081	-2.21	-37.61	-22.86	-16.97	-17.45	28.15	-27.47	-10.64	11.32	25.55
13	2	1082	-4.26	-44.39	-22.55	-26.10	-19.99	28.08	-26.32	-9.97	11.73	-24.94
13	2	1083	-5.20	-53.32	-23.32	-35.19	-23.31	33.24	0.88	27.37	6.74	-12.47
13	2	1100	10.56	-47.83	-27.60	-9.66	-27.78	137.68	45.14	137.62	45.21	2.51
13	2	1101	3.86	-42.49	-21.78	-16.85	-23.05	-80.92	-90.30	-86.07	-85.14	4.67
13	2	1102	0.69	-43.10	-17.64	-24.76	-21.60	-81.20	-91.85	-86.85	-86.20	-5.31
13	2	1103	4.08	-48.36	-16.23	-28.05	-25.54	133.59	43.42	133.52	43.49	-2.40
13	2	1120	13.58	-42.48	-14.19	-14.70	-28.03	62.96	14.75	59.27	18.44	-12.82
13	2	1121	10.07	-44.39	-15.70	-18.62	-27.19	-1.60	-59.55	-34.29	-26.85	-28.73
13	2	1122	7.70	-44.37	-8.88	-27.79	-24.26	-2.18	-57.48	-33.26	-26.40	27.44
13	2	1123	1.39	-38.68	-13.37	-23.91	-19.33	60.19	11.79	55.46	16.52	14.37
13	2	1140	4.19	-45.23	-22.20	-18.84	-24.65	-3.72	-12.19	-6.92	-8.99	-4.10
13	2	1141	18.33	-45.25	-10.43	-16.49	-31.64	136.72	43.40	43.61	136.51	-4.41
13	2	1142	12.82	-51.97	-5.24	-33.90	-29.05	139.62	44.44	44.63	139.43	4.24
13	2	1143	6.54	-28.49	2.44	-24.39	-11.26	-2.57	-9.55	-7.46	-4.67	3.20
13	20	1070	-1.93	-16.89	-15.54	-3.27	-4.28	-1.62	-8.50	-2.18	-7.94	1.88
13	20	1071	-0.39	-27.37	-14.81	-12.96	-13.46	77.15	23.77	23.81	77.11	1.55
13	20	1072	-1.26	-31.63	-14.32	-18.56	-15.04	76.98	23.66	23.68	76.97	-0.87
13	20	1073	-6.73	-49.94	-26.13	-30.54	-21.49	-2.96	-6.98	-3.58	-6.37	-1.45
13	20	1080	1.77	-29.84	-25.23	-2.84	-11.16	22.48	4.44	20.28	6.65	5.91
13	20	1081	-0.37	-26.70	-15.83	-11.23	-12.96	16.17	-15.67	-6.07	6.57	14.61
13	20	1082	-2.61	-31.71	-15.81	-18.51	-14.48	16.14	-15.07	-5.66	6.73	-14.32
13	20	1083	-3.30	-38.00	-16.05	-25.25	-16.73	19.22	0.75	15.93	4.04	-7.06
13	20	1100	9.36	-34.15	-18.99	-5.81	-20.73	79.01	25.94	78.97	25.99	1.54
13	20	1101	3.95	-30.18	-14.78	-11.45	-16.98	-46.36	-51.62	-49.29	-48.69	2.62
13	20	1102	0.99	-30.68	-11.84	-17.85	-15.55	-46.32	-52.39	-49.54	-49.18	-3.03
13	20	1103	3.52	-34.56	-10.72	-20.32	-18.43	76.79	25.04	76.75	25.08	-1.39
13	20	1120	11.33	-29.59	-8.64	-9.62	-20.45	36.08	8.60	34.04	10.65	-7.21
13	20	1121	8.19	-31.54	-10.23	-13.12	-19.82	-0.77	-34.00	-19.54	-15.23	-16.47
13	20	1122	6.26	-31.75	-5.09	-20.40	-17.39	-1.01	-32.65	-18.82	-14.83	15.69
13	20	1123	1.21	-27.47	-8.49	-17.77	-13.57	34.57	6.86	31.83	9.60	8.27
13	20	1140	3.82	-31.00	-14.69	-12.49	-17.38	-2.26	-6.75	-3.88	-5.14	-2.15
13	20	1141	14.24	-32.23	-6.35	-11.64	-23.09	78.50	24.97	25.07	78.41	-2.30
13	20	1142	9.84	-37.72	-2.78	-25.10	-21.00	80.42	25.62	25.74	80.30	2.51
13	20	1143	5.32	-20.98	2.83	-18.49	-7.70	-1.31	-5.20	-4.15	-2.35	1.73
13	29	1070	-3.30	-17.87	-16.58	-4.59	-4.14	-1.61	-8.48	-2.16	-7.93	1.87
13	29	1071	-0.90	-28.39	-15.56	-13.73	-13.71	76.84	23.78	23.83	76.79	1.60
13	29	1072	-0.93	-32.80	-14.91	-18.82	-15.81	77.29	23.75	23.76	77.28	-0.81
13	29	1073	-6.95	-52.02	-27.10	-31.87	-22.41	-2.95	-6.96	-3.56	-6.35	-1.44
13	29	1080	0.61	-31.09	-26.45	-4.03	-11.21	22.50	4.49	20.33	6.66	5.87
13	29	1081	-0.74	-27.90	-16.79	-11.85	-13.36	16.28	-15.67	-5.98	6.59	14.69
13	29	1082	-1.96	-33.00	-16.34	-18.62	-15.48	16.26	-14.95	-5.60	6.92	-14.30
13	29	1083	-2.78	-40.02	-16.60	-26.21	-17.99	19.23	0.71	15.90	4.04	-7.12
13	29	1100	8.79	-35.86	-20.43	-6.64	-21.24	79.22	26.00	79.18	26.05	1.55
13	29	1101	4.18	-31.60	-15.81	-11.60	-17.77	-46.16	-51.53	-49.13	-48.55	2.67
13	29	1102	2.33	-32.17	-12.41	-17.43	-17.06	-46.41	-52.55	-49.70	-49.27	-3.06
13	29	1103	5.19	-36.62	-11.14	-20.30	-20.40	76.59	24.99	76.56	25.03	-1.40
13	29	1120	11.45	-31.42	-9.77	-10.19	-21.43	36.12	8.66	34.13	10.66	-7.13
13	29	1121	9.36	-32.96	-11.01	-12.59	-21.15	-0.82	-34.08	-19.57	-15.32	-16.50
13	29	1122	8.11	-33.11	-5.62	-19.39	-19.43	-1.19	-32.80	-18.94	-15.05	15.68
13	29	1123	3.72	-29.08	-8.87	-16.49	-15.95	34.57	6.88	31.87	9.58	8.21
13	29	1140	4.17	-33.09	-15.89	-13.02	-18.57	-2.27	-6.75	-3.87	-5.14	-2.15
13	29	1141	15.98	-33.61	-6.97	-10.66	-24.72	78.19	24.87	24.98	78.09	-2.37
13	29	1142	12.28	-38.80	-2.67	-23.85	-23.25	80.10	25.52	25.64	79.98	2.55
13	29	1143	8.18	-20.39	3.98	-16.18	-10.12	-1.32	-5.21	-4.16	-2.38	1.73
13	56	1070	-2.19	-17.21	-15.82	-3.58	-4.35	-1.62	-8.49	-2.17	-7.94	1.88
13	56	1071	-0.52	-27.75	-15.06	-13.21	-13.59	77.08	23.78	23.82	77.04	1.56
13	56	1072	-1.23	-32.00	-14.56	-18.67	-15.24	77.05	23.68	23.70	77.04	-0.85
13	56	1073	-6.77	-50.45	-26.40	-30.82	-21.73	-2.96	-6.98	-3.57	-6.36	-1.44
13	56	1080	1.54	-30.28	-25.59	-3.15	-11.28	22.49	4.45	20.29	6.65	5.90

13	56	1081	-0.47	-27.14	-16.15	-11.45	-13.12	16.21	-15.67	-6.05	6.59	14.63
13	56	1082	-2.53	-32.12	-16.04	-18.60	-14.74	16.17	-15.04	-5.64	6.78	-14.32
13	56	1083	-3.24	-38.52	-16.30	-25.47	-17.03	19.22	0.74	15.92	4.04	-7.08
13	56	1100	9.26	-34.72	-19.39	-6.07	-20.96	79.06	25.95	79.01	26.00	1.54
13	56	1101	3.97	-30.68	-15.13	-11.58	-17.23	-46.30	-51.59	-49.23	-48.65	2.63
13	56	1102	1.20	-31.13	-12.10	-17.83	-15.91	-46.34	-52.41	-49.56	-49.19	-3.03
13	56	1103	3.80	-35.10	-10.94	-20.36	-18.87	76.75	25.03	76.71	25.07	-1.39
13	56	1120	11.36	-30.17	-8.95	-9.86	-20.76	36.09	8.62	34.05	10.65	-7.19
13	56	1121	8.41	-32.03	-10.52	-13.10	-20.18	-0.78	-34.01	-19.55	-15.25	-16.48
13	56	1122	6.58	-32.17	-5.32	-20.28	-17.87	-1.05	-32.68	-18.85	-14.88	15.69
13	56	1123	1.65	-27.91	-8.68	-17.58	-14.10	34.57	6.87	31.85	9.60	8.25
13	56	1140	3.86	-31.64	-15.03	-12.75	-17.72	-2.26	-6.75	-3.87	-5.14	-2.15
13	56	1141	14.58	-32.71	-6.60	-11.52	-23.51	78.43	24.95	25.05	78.33	-2.31
13	56	1142	10.29	-38.10	-2.86	-24.95	-21.53	80.35	25.60	25.72	80.23	2.52
13	56	1143	5.83	-20.94	2.99	-18.10	-8.24	-1.31	-5.20	-4.15	-2.36	1.73
13	61	1070	-2.91	-17.82	-16.41	-4.32	-4.35	-1.61	-8.48	-2.16	-7.93	1.87
13	61	1071	-0.71	-28.48	-15.52	-13.68	-13.85	76.89	23.78	23.83	76.85	1.59
13	61	1072	-0.93	-32.86	-14.94	-18.84	-15.85	77.24	23.74	23.75	77.23	-0.82
13	61	1073	-6.88	-51.92	-27.09	-31.72	-22.40	-2.95	-6.96	-3.56	-6.35	-1.44
13	61	1080	0.94	-31.09	-26.33	-3.83	-11.39	22.50	4.48	20.32	6.66	5.87
13	61	1081	-0.59	-27.98	-16.74	-11.83	-13.47	16.27	-15.67	-5.99	6.60	14.68
13	61	1082	-2.04	-33.04	-16.39	-18.69	-15.46	16.25	-14.96	-5.61	6.89	-14.30
13	61	1083	-2.88	-39.91	-16.67	-26.12	-17.90	19.23	0.72	15.90	4.04	-7.11
13	61	1100	8.99	-35.86	-20.30	-6.57	-21.35	79.19	25.99	79.14	26.04	1.55
13	61	1101	4.20	-31.65	-15.76	-11.68	-17.81	-46.17	-51.53	-49.14	-48.57	2.66
13	61	1102	2.09	-32.15	-12.46	-17.61	-16.93	-46.39	-52.51	-49.66	-49.24	-3.05
13	61	1103	4.86	-36.47	-11.22	-20.39	-20.15	76.63	25.00	76.59	25.03	-1.40
13	61	1120	11.49	-31.44	-9.71	-10.24	-21.46	36.11	8.65	34.11	10.66	-7.15
13	61	1121	9.20	-33.01	-11.01	-12.80	-21.09	-0.81	-34.06	-19.56	-15.30	-16.49
13	61	1122	7.74	-33.11	-5.67	-19.70	-19.19	-1.16	-32.77	-18.92	-15.01	15.68
13	61	1123	3.22	-28.98	-8.94	-16.82	-15.62	34.57	6.88	31.87	9.58	8.22
13	61	1140	4.12	-33.10	-15.85	-13.12	-18.56	-2.27	-6.74	-3.87	-5.14	-2.15
13	61	1141	15.71	-33.66	-7.00	-10.95	-24.60	78.24	24.89	24.99	78.13	-2.35
13	61	1142	11.80	-38.86	-2.83	-24.23	-22.96	80.15	25.54	25.66	80.03	2.55
13	61	1143	7.61	-20.63	3.68	-16.70	-9.78	-1.32	-5.21	-4.16	-2.37	1.73
13	74	1070	-3.33	-18.17	-16.80	-4.70	-4.30	-2.04	-10.12	-2.75	-9.41	2.30
13	74	1071	-1.14	-29.13	-15.87	-14.40	-13.97	91.81	28.32	28.38	91.76	1.89
13	74	1072	-1.49	-33.56	-15.38	-19.67	-15.89	92.04	28.24	28.26	92.02	-1.04
13	74	1073	-7.14	-52.73	-27.66	-32.22	-22.68	-3.52	-8.40	-4.33	-7.58	-1.81
13	74	1080	0.61	-31.58	-26.78	-4.18	-11.46	26.52	5.04	23.86	7.71	7.08
13	74	1081	-1.10	-28.59	-17.15	-12.55	-13.55	19.31	-18.75	-7.24	7.79	17.48
13	74	1082	-2.72	-33.72	-16.92	-19.52	-15.44	19.26	-17.96	-6.78	8.08	-17.06
13	74	1083	-3.49	-40.48	-17.35	-26.61	-17.90	22.81	0.70	18.82	4.69	-8.50
13	74	1100	8.65	-36.42	-20.71	-7.06	-21.48	94.27	30.92	94.22	30.97	1.76
13	74	1101	3.57	-32.30	-16.25	-12.48	-17.84	-55.27	-61.66	-58.79	-58.14	3.18
13	74	1102	1.16	-32.74	-13.05	-18.54	-16.73	-55.46	-62.74	-59.33	-58.87	-3.63
13	74	1103	3.83	-36.83	-11.89	-21.11	-19.80	91.42	29.75	91.38	29.80	-1.65
13	74	1120	10.98	-32.23	-10.34	-10.91	-21.60	43.07	10.17	40.59	12.65	-8.69
13	74	1121	8.36	-33.74	-11.57	-13.81	-21.02	-1.04	-40.69	-23.41	-18.32	-19.66
13	74	1122	6.64	-33.73	-6.27	-20.83	-18.82	-1.43	-39.22	-22.67	-17.98	18.75
13	74	1123	1.88	-29.39	-9.64	-17.86	-15.08	41.20	8.12	37.97	11.35	9.83
13	74	1140	3.61	-34.19	-16.56	-14.02	-18.85	-2.60	-8.23	-4.69	-6.14	-2.72
13	74	1141	14.75	-34.42	-7.56	-12.11	-24.48	93.49	29.70	29.84	93.36	-2.93
13	74	1142	10.58	-39.61	-3.52	-25.50	-22.56	95.59	30.44	30.57	95.45	2.95
13	74	1143	6.07	-21.48	2.67	-18.09	-9.06	-1.69	-6.42	-5.05	-3.06	2.14

M_G	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
		-69.47	-36.61	-42.58	-31.64		-91.85	-86.85	-86.20	-28.73
	18.33		3.98	-2.84	-4.14	139.62		137.62	139.43	27.44

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
14	2	1095	-7.80	-31.93	-11.17	-28.56	-8.37	3.08	-8.60	-1.35	-4.17	5.67
14	2	1096	-12.93	-42.26	-17.26	-37.92	-10.41	70.28	20.07	20.56	69.79	4.90
14	2	1097	-17.21	-31.87	-17.64	-31.44	-2.48	68.21	19.23	19.81	67.63	-5.31
14	2	1098	-14.59	-24.90	-18.40	-21.09	-4.98	3.32	-7.64	-0.55	-3.78	-5.24
14	2	1115	-3.29	-40.45	-11.72	-32.01	-15.56	46.64	15.75	46.64	15.75	-5.73e-02
14	2	1116	-8.00	-43.59	-9.46	-42.14	-7.05	-42.40	-71.55	-42.47	-71.48	1.44
14	2	1117	-12.68	-35.18	-12.79	-35.07	-1.62	-42.49	-71.34	-42.56	-71.27	-1.39
14	2	1118	-16.87	-21.44	-18.42	-19.89	2.16	47.27	16.11	47.26	16.12	0.51
14	2	1135	-4.59	-61.26	-15.64	-50.21	-22.45	5.01	-4.92	-0.53	0.62	-4.93

14	2	1136	-6.19	-51.10	-7.24	-50.05	-6.79	62.01	17.96	18.81	61.16	-6.04
14	2	1137	-8.17	-42.28	-8.23	-42.22	1.43	63.39	18.73	19.45	62.67	5.62
14	2	1138	-8.35	-33.24	-15.42	-26.16	11.23	4.65	-6.13	-1.21	-0.27	5.37
14	4	1095	-7.80	-31.93	-11.17	-28.56	-8.37	3.08	-8.60	-1.35	-4.17	5.67
14	4	1096	-12.92	-42.26	-17.26	-37.92	-10.41	70.28	20.07	20.56	69.79	4.90
14	4	1097	-17.21	-31.87	-17.64	-31.44	-2.48	68.21	19.23	19.81	67.63	-5.31
14	4	1098	-14.59	-24.90	-18.40	-21.08	-4.98	3.32	-7.64	-0.55	-3.78	-5.24
14	4	1115	-3.29	-40.45	-11.72	-32.01	-15.57	46.64	15.75	46.64	15.75	-5.73e-02
14	4	1116	-8.00	-43.59	-9.46	-42.14	-7.06	-42.40	-71.55	-42.47	-71.48	1.44
14	4	1117	-12.67	-35.18	-12.79	-35.07	-1.62	-42.49	-71.34	-42.56	-71.27	-1.39
14	4	1118	-16.87	-21.44	-18.41	-19.89	2.16	47.27	16.11	47.26	16.12	0.51
14	4	1135	-4.59	-61.26	-15.64	-50.21	-22.45	5.01	-4.92	-0.53	0.62	-4.93
14	4	1136	-6.19	-51.10	-7.24	-50.04	-6.79	62.01	17.96	18.81	61.16	-6.04
14	4	1137	-8.17	-42.28	-8.23	-42.22	1.42	63.39	18.73	19.45	62.67	5.62
14	4	1138	-8.35	-33.23	-15.42	-26.16	11.23	4.65	-6.13	-1.21	-0.27	5.37
14	21	1095	-2.79	-24.18	-7.02	-19.95	-8.52	1.80	-4.76	-0.64	-2.32	3.17
14	21	1096	-7.73	-32.73	-12.43	-28.04	-9.77	40.16	11.51	11.79	39.88	2.82
14	21	1097	-11.92	-24.15	-13.11	-22.97	-3.61	38.98	11.00	11.33	38.65	-3.00
14	21	1098	-9.66	-20.08	-13.97	-15.77	-5.13	1.80	-4.38	-0.41	-2.17	-2.96
14	21	1115	0.17	-31.73	-8.17	-23.39	-14.01	26.68	9.06	26.68	9.07	-0.16
14	21	1116	-4.47	-33.30	-6.49	-31.28	-7.35	-24.15	-40.89	-24.18	-40.85	0.76
14	21	1117	-8.36	-26.49	-8.91	-25.94	-3.11	-24.19	-40.85	-24.23	-40.81	-0.75
14	21	1118	-13.05	-14.53	-13.06	-14.53	-6.62e-02	26.68	9.02	26.68	9.02	0.35
14	21	1135	-1.70	-48.05	-11.79	-37.96	-19.13	3.02	-2.65	-0.36	0.73	-2.78
14	21	1136	-3.43	-38.85	-5.02	-37.27	-7.32	36.23	10.68	11.15	35.75	-3.46
14	21	1137	-4.83	-31.53	-4.86	-31.49	-0.95	37.00	11.16	11.52	36.64	3.04
14	21	1138	-6.12	-21.79	-9.42	-18.50	6.39	2.63	-3.36	-0.90	0.17	2.95
14	39	1095	-2.36	-23.93	-6.40	-19.88	-8.41	1.79	-4.78	-0.65	-2.34	3.17
14	39	1096	-6.93	-32.21	-11.62	-27.52	-9.83	40.13	11.49	11.77	39.85	2.82
14	39	1097	-11.29	-23.45	-12.65	-22.09	-3.83	38.96	11.00	11.33	38.63	-3.00
14	39	1098	-9.05	-19.82	-13.81	-15.07	-5.35	1.80	-4.38	-0.41	-2.17	-2.96
14	39	1115	0.61	-31.04	-7.34	-23.09	-13.73	26.68	9.05	26.68	9.05	-0.16
14	39	1116	-3.78	-32.59	-5.73	-30.65	-7.23	-24.15	-40.90	-24.19	-40.87	0.76
14	39	1117	-7.68	-25.62	-8.27	-25.04	-3.18	-24.19	-40.86	-24.23	-40.82	-0.75
14	39	1118	-12.44	-13.75	-12.46	-13.72	-0.17	26.69	9.02	26.69	9.03	0.36
14	39	1135	-1.46	-47.15	-11.12	-37.48	-18.66	3.02	-2.65	-0.36	0.72	-2.78
14	39	1136	-2.84	-37.98	-4.30	-36.52	-7.01	36.23	10.68	11.16	35.76	-3.45
14	39	1137	-4.38	-30.64	-4.41	-30.61	-0.87	37.00	11.16	11.52	36.64	3.04
14	39	1138	-5.89	-21.36	-9.26	-17.99	6.39	2.64	-3.37	-0.90	0.17	2.95
14	53	1095	-3.61	-23.89	-7.27	-20.23	-7.80	1.80	-4.77	-0.64	-2.33	3.17
14	53	1096	-8.26	-32.11	-12.41	-27.96	-9.04	40.15	11.50	11.78	39.87	2.82
14	53	1097	-12.14	-23.72	-12.91	-22.95	-2.89	38.97	11.00	11.33	38.64	-3.00
14	53	1098	-10.00	-19.00	-13.57	-15.43	-4.40	1.80	-4.38	-0.41	-2.17	-2.96
14	53	1115	-0.47	-31.07	-8.10	-23.44	-13.24	26.68	9.06	26.68	9.06	-0.16
14	53	1116	-4.78	-32.88	-6.42	-31.24	-6.58	-24.15	-40.89	-24.18	-40.85	0.76
14	53	1117	-8.55	-26.20	-8.86	-25.89	-2.34	-24.19	-40.85	-24.23	-40.81	-0.75
14	53	1118	-12.71	-14.73	-13.00	-14.45	0.70	26.68	9.02	26.68	9.02	0.36
14	53	1135	-2.07	-47.15	-11.46	-37.77	-18.31	3.02	-2.65	-0.36	0.73	-2.78
14	53	1136	-3.61	-38.52	-4.86	-37.26	-6.51	36.24	10.68	11.16	35.76	-3.46
14	53	1137	-5.06	-31.42	-5.06	-31.42	-0.15	37.01	11.16	11.52	36.64	3.04
14	53	1138	-5.90	-22.78	-9.92	-18.76	7.20	2.63	-3.36	-0.90	0.17	2.95
14	71	1095	-3.46	-23.72	-6.95	-20.23	-7.65	1.79	-4.78	-0.65	-2.34	3.17
14	71	1096	-7.85	-31.74	-11.94	-27.65	-8.99	40.13	11.49	11.78	39.85	2.82
14	71	1097	-11.81	-23.25	-12.62	-22.44	-2.93	38.96	11.00	11.33	38.63	-3.00
14	71	1098	-9.70	-18.72	-13.44	-14.99	-4.45	1.80	-4.38	-0.41	-2.17	-2.96
14	71	1115	-0.27	-30.60	-7.61	-23.27	-12.99	26.68	9.06	26.68	9.06	-0.16
14	71	1116	-4.41	-32.43	-5.97	-30.87	-6.42	-24.15	-40.90	-24.18	-40.86	0.76
14	71	1117	-8.17	-25.67	-8.48	-25.36	-2.29	-24.19	-40.85	-24.23	-40.82	-0.75
14	71	1118	-12.32	-14.29	-12.64	-13.97	0.73	26.69	9.02	26.68	9.02	0.36
14	71	1135	-1.97	-46.54	-11.04	-37.47	-17.94	3.02	-2.65	-0.36	0.73	-2.78
14	71	1136	-3.27	-37.98	-4.43	-36.83	-6.24	36.24	10.68	11.16	35.77	-3.45
14	71	1137	-4.82	-30.91	-4.82	-30.91	-8.32e-03	37.01	11.16	11.52	36.65	3.04
14	71	1138	-5.73	-22.66	-9.90	-18.50	7.29	2.64	-3.36	-0.90	0.17	2.95
14	74	1095	-5.32	-24.07	-8.08	-21.31	-6.64	2.12	-5.81	-0.87	-2.83	3.84
14	74	1096	-9.41	-31.91	-12.80	-28.52	-8.05	48.00	13.73	14.06	47.67	3.36
14	74	1097	-12.73	-23.86	-13.07	-23.53	-1.91	46.59	13.14	13.54	46.20	-3.61
14	74	1098	-10.81	-18.30	-13.55	-15.56	-3.61	2.22	-5.22	-0.41	-2.59	-3.56
14	74	1115	-1.85	-30.70	-8.46	-24.09	-12.12	31.88	10.79	31.88	10.79	-9.41e-02
14	74	1116	-5.58	-32.97	-6.74	-31.82	-5.50	-28.93	-48.89	-28.98	-48.84	0.96
14	74	1117	-9.14	-26.48	-9.24	-26.39	-1.27	-28.99	-48.78	-29.04	-48.73	-0.93
14	74	1118	-12.28	-15.96	-13.44	-14.80	1.71	32.16	10.93	32.15	10.93	0.38
14	74	1135	-2.99	-46.63	-11.48	-38.13	-17.28	3.49	-3.29	-0.39	0.59	-3.35
14	74	1136	-4.18	-38.75	-5.02	-37.90	-5.35	42.72	12.46	13.03	42.15	-4.13
14	74	1137	-5.69	-31.95	-5.73	-31.91	0.99	43.65	13.00	13.47	43.18	3.77
14	74	1138	-5.90	-24.78	-11.08	-19.60	8.43	3.16	-4.12	-0.92	-4.03e-02	3.62
14	76	1095	-5.31	-24.07	-8.07	-21.31	-6.65	2.12	-5.81	-0.87	-2.83	3.84
14	76	1096	-9.41	-31.91	-12.80	-28.52	-8.05	48.00	13.73	14.06	47.67	3.36
14	76	1097	-12.73	-23.86	-13.07	-23.53	-1.91	46.59	13.14	13.54	46.20	-3.61
14	76	1098	-10.81	-18.30	-13.55	-15.56	-3.60	2.22	-5.22	-0.41	-2.59	-3.56

14	76	1115	-1.85	-30.70	-8.46	-24.09	-12.12	31.88	10.79	31.88	10.79	-9.41e-02
14	76	1116	-5.58	-32.97	-6.73	-31.82	-5.50	-28.93	-48.89	-28.98	-48.84	0.96
14	76	1117	-9.14	-26.48	-9.24	-26.39	-1.28	-28.99	-48.78	-29.04	-48.73	-0.93
14	76	1118	-12.28	-15.96	-13.44	-14.80	1.71	32.16	10.93	32.15	10.93	0.38
14	76	1135	-2.99	-46.63	-11.48	-38.13	-17.28	3.49	-3.29	-0.39	0.59	-3.35
14	76	1136	-4.17	-38.75	-5.02	-37.90	-5.35	42.72	12.46	13.03	42.15	-4.13
14	76	1137	-5.69	-31.95	-5.73	-31.91	0.98	43.65	13.00	13.47	43.18	3.77
14	76	1138	-5.89	-24.78	-11.08	-19.60	8.43	3.16	-4.12	-0.92	-4.03e-02	3.62

M_G		N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			-61.26	-18.42	-50.21	-22.45		-71.55	-42.56	-71.48	-6.04
		0.61		-4.30	-13.72	11.23	70.28		47.26	69.79	5.67

Vasca per alloggiamento impianto di derivazione

Macro	Tipo	Angolo 1-Z (gradi)
2	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
2	3	-300.00	-4110.06	-0.06	1662.28	-887.76	-3.730e+04	-7.47
2	3	-270.00	-4110.16	0.08	1848.15	-879.53	1.535e+04	-8.74
2	3	-240.00	-3817.14	0.40	-362.25	-909.31	-4412.03	0.81
2	3	-225.00	-3597.56	0.68	-2185.86	-916.47	-3.644e+04	-0.93
2	3	-210.00	-2916.53	0.12	1950.25	-947.70	-4762.41	-2.99
2	3	-180.00	-2697.23	0.66	1148.25	-929.85	1.431e+04	-2.66
2	3	-150.00	-2405.20	0.68	680.14	-873.53	1.292e+04	-4.23
2	3	-120.00	-2114.02	-0.15	513.99	-766.10	7729.55	-8.41
2	3	-90.00	-1824.29	-2.97	396.09	-604.43	3398.87	-13.88
2	3	-60.00	-1536.50	-9.43	221.88	-437.79	-428.61	-12.33
2	3	-30.00	-1250.14	-18.72	-56.36	-413.35	-6269.37	18.94
2	3	0.0	-961.18	-18.39	-397.56	-758.50	-1.703e+04	52.12
2	4	-300.00	-5582.52	0.24	1749.71	-844.51	-4.124e+04	-6.38
2	4	-270.00	-5582.60	0.37	1910.40	-829.60	1.366e+04	-6.24
2	4	-240.00	-5289.51	0.62	-304.16	-854.17	-4340.86	3.48
2	4	-225.00	-5069.87	0.84	-2111.32	-861.47	-3.539e+04	3.52
2	4	-210.00	-4388.73	-1.80	1934.18	-927.53	-4294.63	3.72
2	4	-180.00	-4169.18	-1.41	1151.10	-988.46	1.456e+04	4.99
2	4	-150.00	-3876.66	-1.48	689.09	-1033.70	1.338e+04	2.81
2	4	-120.00	-3584.57	-2.34	517.29	-1065.72	8409.68	-2.05
2	4	-90.00	-3293.05	-5.02	367.46	-1116.72	3791.67	-8.16
2	4	-60.00	-3001.41	-10.73	104.65	-1314.51	-2038.51	-12.44
2	4	-30.00	-2707.06	-17.91	-350.14	-1931.70	-1.381e+04	-25.04
2	4	0.0	-2408.68	-15.52	-876.21	-2943.36	-3.634e+04	-56.53
2	5	-300.00	-3031.78	-0.04	1283.32	-682.89	-2.861e+04	-5.74
2	5	-270.00	-3031.86	0.06	1429.33	-676.55	1.208e+04	-6.73
2	5	-240.00	-2806.45	0.31	-262.44	-699.46	-2777.88	0.63
2	5	-225.00	-2637.54	0.52	-1661.91	-704.97	-2.713e+04	-0.71
2	5	-210.00	-2243.48	0.09	1518.61	-729.00	-4235.95	-2.30
2	5	-180.00	-2074.79	0.51	891.90	-715.28	1.086e+04	-2.04
2	5	-150.00	-1850.16	0.52	525.65	-671.98	9946.84	-3.25
2	5	-120.00	-1626.17	-0.11	395.52	-589.39	5984.90	-6.47
2	5	-90.00	-1403.30	-2.28	304.24	-465.10	2646.14	-10.67
2	5	-60.00	-1181.92	-7.25	170.26	-336.98	-311.81	-9.49
2	5	-30.00	-961.64	-14.40	-43.62	-318.21	-4815.06	14.55
2	5	0.0	-739.37	-14.14	-306.03	-583.66	-1.310e+04	40.07
2	6	-300.00	-4504.24	0.25	1370.75	-639.64	-3.255e+04	-4.66
2	6	-270.00	-4504.29	0.35	1491.58	-626.62	1.039e+04	-4.22
2	6	-240.00	-4278.82	0.53	-204.36	-644.32	-2706.71	3.29
2	6	-225.00	-4109.85	0.68	-1587.37	-649.97	-2.607e+04	3.74
2	6	-210.00	-3715.69	-1.83	1502.53	-708.82	-3768.17	4.41
2	6	-180.00	-3546.74	-1.56	894.75	-773.89	1.111e+04	5.61
2	6	-150.00	-3321.61	-1.63	534.60	-832.15	1.040e+04	3.79
2	6	-120.00	-3096.72	-2.31	398.81	-889.01	6665.04	-0.11
2	6	-90.00	-2872.05	-4.34	275.62	-977.39	3038.93	-4.96
2	6	-60.00	-2646.83	-8.55	53.04	-1213.69	-1921.72	-9.60
2	6	-30.00	-2418.56	-13.59	-337.41	-1836.55	-1.236e+04	-29.43
2	6	0.0	-2186.86	-11.27	-784.68	-2768.51	-3.241e+04	-68.57
2	9	-300.00	-3596.78	530.01	1362.99	-2.298e+04	-3.145e+04	-459.74
2	9	-270.00	-3613.25	530.11	1493.47	-2.270e+04	1.032e+04	-264.58
2	9	-240.00	-3411.43	526.36	-227.87	-1.949e+04	-3044.04	-117.38
2	9	-225.00	-3264.58	491.43	-1624.39	-1.823e+04	-2.681e+04	-87.15
2	9	-210.00	-2815.24	416.23	1509.79	-1.865e+04	-3858.08	-1.92
2	9	-180.00	-2672.12	409.74	892.06	-1.620e+04	1.091e+04	36.54

2	9	-150.00	-2480.67	388.26	530.96	-1.332e+04	1.033e+04	70.62
2	9	-120.00	-2288.84	357.19	399.35	-1.052e+04	6431.11	64.42
2	9	-90.00	-2095.96	317.36	291.95	-7874.06	2930.25	79.88
2	9	-60.00	-1901.17	266.40	106.39	-5611.91	-1082.69	9.03
2	9	-30.00	-1702.16	205.35	-201.27	-3964.93	-8722.29	-11.15
2	9	0.0	-1497.76	146.66	-564.42	-2886.88	-2.329e+04	-88.72
2	18	-300.00	-4218.56	478.08	1290.57	-2.296e+04	-3.009e+04	-519.23
2	18	-270.00	-4202.20	478.18	1421.05	-2.255e+04	1.166e+04	-343.00
2	18	-240.00	-3952.62	476.47	-257.48	-1.948e+04	-3289.34	-170.31
2	18	-225.00	-3761.20	445.61	-1646.94	-1.822e+04	-2.758e+04	-122.37
2	18	-210.00	-3242.62	357.06	1484.57	-1.842e+04	-3315.99	-101.47
2	18	-180.00	-3047.99	349.92	882.71	-1.610e+04	1.129e+04	31.81
2	18	-150.00	-2789.53	328.77	526.44	-1.333e+04	1.004e+04	7.05
2	18	-120.00	-2532.29	300.40	395.01	-1.061e+04	6209.02	-24.50
2	18	-90.00	-2277.35	265.95	286.63	-8033.41	2735.76	37.05
2	18	-60.00	-2025.06	223.41	109.74	-5798.40	-1285.57	-0.63
2	18	-30.00	-1774.80	173.90	-198.82	-4132.51	-8968.68	-70.71
2	18	0.0	-1524.65	129.61	-558.03	-2989.62	-2.352e+04	-110.15
2	33	-300.00	-2870.60	137.75	1447.41	-7397.71	-3.303e+04	-188.43
2	33	-270.00	-2925.42	137.85	1577.89	-7262.57	8748.80	-117.17
2	33	-240.00	-2779.62	138.71	-193.36	-6412.92	-2758.27	-60.04
2	33	-225.00	-2685.05	122.95	-1598.11	-6054.00	-2.592e+04	-47.76
2	33	-210.00	-2316.50	111.10	1539.25	-6095.68	-4492.23	-19.15
2	33	-180.00	-2233.61	107.87	903.02	-5359.67	1.046e+04	-16.62
2	33	-150.00	-2120.52	99.76	536.22	-4451.34	1.066e+04	-20.62
2	33	-120.00	-2005.15	89.36	404.38	-3553.38	6688.59	-27.04
2	33	-90.00	-1884.77	76.30	298.16	-2719.27	3155.24	27.06
2	33	-60.00	-1757.14	58.82	102.45	-2079.19	-846.14	23.83
2	33	-30.00	-1617.93	37.70	-204.09	-1838.93	-8431.78	8.89
2	33	0.0	-1466.68	23.15	-571.35	-2061.83	-2.309e+04	-23.43
2	34	-300.00	-4943.94	175.48	1206.08	-7328.41	-2.851e+04	-103.08
2	34	-270.00	-4889.25	175.58	1336.56	-7273.39	1.323e+04	-55.70
2	34	-240.00	-4583.99	172.22	-292.03	-6252.92	-3575.59	-13.23
2	34	-225.00	-4340.55	167.54	-1673.26	-5870.68	-2.847e+04	-7.30
2	34	-210.00	-3740.96	134.40	1455.24	-6118.68	-2685.31	15.34
2	34	-180.00	-3486.15	133.93	871.82	-5424.04	1.174e+04	34.55
2	34	-150.00	-3149.39	128.81	521.20	-4608.37	9716.67	53.47
2	34	-120.00	-2815.77	119.53	389.98	-3799.99	5952.52	50.61
2	34	-90.00	-2488.43	105.80	280.40	-3024.88	2512.30	13.28
2	34	-60.00	-2169.12	86.49	113.63	-2395.44	-1519.75	-27.31
2	34	-30.00	-1859.20	62.74	-196.12	-2101.84	-9255.27	-28.60
2	34	0.0	-1555.91	44.13	-551.15	-2115.57	-2.371e+04	-55.63
2	41	-300.00	-3735.96	309.02	1348.61	-1.296e+04	-3.116e+04	-259.04
2	41	-270.00	-3744.86	309.12	1479.09	-1.279e+04	1.060e+04	-155.68
2	41	-240.00	-3531.77	302.44	-234.03	-1.122e+04	-3088.86	-72.80
2	41	-225.00	-3374.27	279.37	-1629.35	-1.071e+04	-2.696e+04	-54.79
2	41	-210.00	-2908.79	229.42	1504.59	-1.094e+04	-3740.76	-3.70
2	41	-180.00	-2753.96	225.20	889.96	-9616.60	1.098e+04	18.82
2	41	-150.00	-2547.28	213.40	529.97	-8044.29	1.028e+04	39.46
2	41	-120.00	-2340.78	197.13	398.49	-6475.61	6389.48	34.44
2	41	-90.00	-2134.23	175.71	290.96	-4968.08	2890.23	45.00
2	41	-60.00	-1927.02	146.70	106.96	-3681.58	-1127.60	-0.31
2	41	-30.00	-1717.09	110.67	-200.91	-2836.90	-8774.72	-9.81
2	41	0.0	-1503.19	78.23	-562.96	-2441.31	-2.333e+04	-57.37
2	50	-300.00	-4078.77	282.35	1304.91	-1.294e+04	-3.037e+04	-291.20
2	50	-270.00	-4070.01	282.45	1435.39	-1.271e+04	1.138e+04	-194.48
2	50	-240.00	-3831.84	277.56	-251.35	-1.120e+04	-3244.58	-97.82
2	50	-225.00	-3651.21	256.99	-1642.00	-1.069e+04	-2.743e+04	-69.05
2	50	-210.00	-3148.70	198.27	1489.84	-1.079e+04	-3435.04	-60.36
2	50	-180.00	-2965.82	193.16	884.84	-9529.60	1.121e+04	24.45
2	50	-150.00	-2722.66	180.56	527.44	-8007.56	1.010e+04	6.03
2	50	-120.00	-2480.17	164.86	395.87	-6482.67	6250.96	-17.27
2	50	-90.00	-2239.00	145.80	287.62	-5013.17	2776.32	20.24
2	50	-60.00	-1999.26	121.18	109.15	-3751.41	-1239.50	-1.18
2	50	-30.00	-1760.03	91.62	-199.22	-2909.63	-8913.85	-41.56
2	50	0.0	-1519.38	67.56	-559.41	-2491.03	-2.347e+04	-68.43
2	57	-300.00	-3335.79	106.11	1399.58	-4303.49	-3.209e+04	-56.46
2	57	-270.00	-3365.29	106.21	1530.06	-4273.23	9684.30	-33.12
2	57	-240.00	-3181.64	106.16	-213.84	-3737.13	-2907.23	-6.67
2	57	-225.00	-3051.26	98.68	-1614.61	-3564.62	-2.641e+04	-3.54
2	57	-210.00	-2628.94	75.68	1521.83	-3718.80	-4098.41	9.05
2	57	-180.00	-2506.89	75.70	895.95	-3345.67	1.071e+04	23.29
2	57	-150.00	-2342.83	73.35	532.92	-2902.24	1.049e+04	40.75
2	57	-120.00	-2178.39	68.61	401.54	-2453.37	6550.38	39.97
2	57	-90.00	-2012.30	60.67	294.87	-2019.39	3021.87	-1.19
2	57	-60.00	-1843.07	48.29	104.37	-1698.75	-998.06	-23.10
2	57	-30.00	-1667.34	32.65	-202.90	-1675.26	-8610.69	-9.80
2	57	0.0	-1484.47	23.29	-566.69	-1961.32	-2.316e+04	-27.34
2	66	-300.00	-4478.74	101.41	1253.93	-4333.23	-2.945e+04	-58.66

2	66	-270.00	-4449.35	101.51	1384.41	-4295.69	1.230e+04	-35.96
2	66	-240.00	-4181.95	98.16	-271.55	-3794.69	-3426.38	-10.81
2	66	-225.00	-3974.33	95.06	-1656.77	-3641.49	-2.797e+04	-7.37
2	66	-210.00	-3428.43	73.21	1472.68	-3790.02	-3079.57	5.77
2	66	-180.00	-3212.78	73.12	878.89	-3414.32	1.149e+04	17.15
2	66	-150.00	-2926.99	70.65	524.49	-2964.73	9886.52	29.96
2	66	-120.00	-2642.46	65.81	392.81	-2507.09	6090.95	28.36
2	66	-90.00	-2360.88	57.84	283.71	-2062.60	2645.50	4.77
2	66	-60.00	-2083.25	45.46	111.69	-1729.88	-1368.65	-22.00
2	66	-30.00	-1809.91	29.67	-197.35	-1696.38	-9075.77	-20.74
2	66	0.0	-1538.19	19.68	-555.61	-1967.06	-2.358e+04	-38.69
2	73	-300.00	-3031.78	-0.04	1283.32	-682.89	-2.861e+04	-5.74
2	73	-270.00	-3031.86	0.06	1429.33	-676.55	1.208e+04	-6.73
2	73	-240.00	-2806.45	0.31	-262.44	-699.46	-2777.88	0.63
2	73	-225.00	-2637.54	0.52	-1661.91	-704.97	-2.713e+04	-0.71
2	73	-210.00	-2243.48	0.09	1518.61	-729.00	-4235.95	-2.30
2	73	-180.00	-2074.79	0.51	891.90	-715.28	1.086e+04	-2.04
2	73	-150.00	-1850.16	0.52	525.65	-671.98	9946.84	-3.25
2	73	-120.00	-1626.17	-0.11	395.52	-589.39	5984.90	-6.47
2	73	-90.00	-1403.30	-2.28	304.24	-465.10	2646.14	-10.67
2	73	-60.00	-1181.92	-7.25	170.26	-336.98	-311.81	-9.49
2	73	-30.00	-961.64	-14.40	-43.62	-318.21	-4815.06	14.55
2	73	0.0	-739.37	-14.14	-306.03	-583.66	-1.310e+04	40.07
2	75	-300.00	-3144.28	-0.04	1279.29	-682.89	-2.868e+04	-5.74
2	75	-270.00	-3144.36	0.06	1422.68	-676.56	1.185e+04	-6.73
2	75	-240.00	-2918.95	0.31	-276.49	-699.47	-3311.74	0.62
2	75	-225.00	-2750.04	0.52	-1678.83	-704.97	-2.791e+04	-0.71
2	75	-210.00	-2243.48	0.09	1502.65	-729.00	-3739.73	-2.30
2	75	-180.00	-2074.79	0.51	884.42	-715.27	1.099e+04	-2.04
2	75	-150.00	-1850.16	0.52	523.51	-671.95	9940.94	-3.25
2	75	-120.00	-1626.17	-0.11	395.40	-589.32	5951.02	-6.47
2	75	-90.00	-1403.30	-2.28	304.62	-464.97	2618.73	-10.67
2	75	-60.00	-1181.92	-7.25	170.62	-336.79	-327.31	-9.49
2	75	-30.00	-961.64	-14.40	-43.39	-317.99	-4821.58	14.57
2	75	0.0	-739.37	-14.15	-305.85	-583.49	-1.310e+04	40.09
2	76	-300.00	-4125.92	0.15	1337.58	-654.06	-3.131e+04	-5.02
2	76	-270.00	-4125.98	0.25	1464.18	-643.27	1.072e+04	-5.05
2	76	-240.00	-3900.53	0.45	-237.77	-662.71	-3264.29	2.40
2	76	-225.00	-3731.58	0.63	-1629.14	-668.31	-2.721e+04	2.25
2	76	-210.00	-3224.95	-1.19	1491.93	-715.55	-3427.88	2.17
2	76	-180.00	-3056.09	-0.87	886.32	-754.35	1.116e+04	3.06
2	76	-150.00	-2831.13	-0.91	529.48	-778.73	1.025e+04	1.44
2	76	-120.00	-2606.54	-1.58	397.59	-789.07	6404.44	-2.23
2	76	-90.00	-2382.47	-3.65	285.54	-806.50	2880.60	-6.86
2	76	-60.00	-2158.53	-8.12	92.47	-921.27	-1400.58	-9.56
2	76	-30.00	-1932.93	-13.86	-239.24	-1330.22	-9849.47	-14.75
2	76	0.0	-1704.37	-12.23	-624.94	-2040.06	-2.597e+04	-32.34

M_S	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
	-5582.60	-18.72	-2185.86	-2.298e+04	-4.124e+04	-519.23
	-739.37	530.11	1950.25	-317.99	1.535e+04	79.88

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

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	4	-300.00	-5501.75	-0.44	1749.92	907.75	-4.126e+04	-8.17
3	4	-270.00	-5501.68	-0.31	1910.36	912.66	1.364e+04	-10.22
3	4	-240.00	-5209.75	0.04	-304.80	957.76	-4376.86	-0.89
3	4	-225.00	-4990.63	0.36	-2112.49	973.22	-3.544e+04	-3.86
3	4	-210.00	-4310.52	1.36	1934.59	993.88	-4379.06	-7.30
3	4	-180.00	-4091.36	2.02	1150.48	953.83	1.447e+04	-7.56
3	4	-150.00	-3798.97	2.20	688.35	885.84	1.326e+04	-9.66
3	4	-120.00	-3506.26	1.61	517.98	788.39	8281.54	-17.46
3	4	-90.00	-3213.16	-1.31	373.64	693.26	3748.20	-34.44
3	4	-60.00	-2920.40	-10.35	125.32	770.83	-1712.35	-49.11
3	4	-30.00	-2630.47	-31.18	-302.00	1490.97	-1.249e+04	33.92
3	4	0.0	-2342.87	-56.14	-806.89	3357.93	-3.322e+04	255.59
3	7	-300.00	-3137.75	-0.10	1277.43	677.08	-2.874e+04	-5.57
3	7	-270.00	-3137.67	-5.09e-03	1419.30	672.74	1.171e+04	-6.27
3	7	-240.00	-2913.07	0.22	-284.04	697.68	-3607.55	1.06
3	7	-225.00	-2744.49	0.43	-1688.23	704.36	-2.835e+04	2.90e-03
3	7	-210.00	-2182.30	-0.46	1495.02	736.71	-3558.86	-1.22

3	7	-180.00	-2013.50	-0.07	880.23	739.33	1.098e+04	-1.05
3	7	-150.00	-1788.15	-0.03	521.94	711.58	9847.06	-3.30
3	7	-120.00	-1562.18	-0.64	396.07	641.97	5839.02	-9.70
3	7	-90.00	-1335.13	-3.07	310.11	529.94	2585.68	-21.99
3	7	-60.00	-1106.63	-10.06	187.97	439.13	-43.96	-30.28
3	7	-30.00	-877.00	-25.02	-4.14	594.59	-3713.32	33.17
3	7	0.0	-648.65	-35.76	-255.98	1404.43	-1.058e+04	156.27
3	13	-300.00	-2809.30	-127.86	1447.71	-6084.18	-3.305e+04	182.55
3	13	-270.00	-2863.82	-127.76	1577.99	-5940.92	8727.99	113.61
3	13	-240.00	-2719.02	-122.89	-193.79	-5097.08	-2789.19	71.15
3	13	-225.00	-2624.85	-113.70	-1598.96	-4750.49	-2.596e+04	56.44
3	13	-210.00	-2256.96	-104.74	1539.56	-4707.81	-4559.99	22.54
3	13	-180.00	-2174.36	-100.42	902.48	-3966.32	1.038e+04	26.80
3	13	-150.00	-2061.39	-91.96	535.66	-3087.97	1.056e+04	34.11
3	13	-120.00	-1945.49	-82.54	404.97	-2262.75	6589.60	32.06
3	13	-90.00	-1823.61	-73.79	302.89	-1513.20	3124.61	8.34
3	13	-60.00	-1694.05	-67.90	118.94	-780.57	-583.74	-70.95
3	13	-30.00	-1555.36	-68.67	-165.74	220.10	-7384.92	26.54
3	13	0.0	-1405.07	-68.55	-519.35	2187.43	-2.061e+04	203.06
3	24	-300.00	-4880.51	173.69	1206.10	7346.83	-2.852e+04	-105.68
3	24	-270.00	-4825.85	173.79	1336.38	7299.82	1.323e+04	-60.98
3	24	-240.00	-4521.44	170.42	-292.60	6282.09	-3600.54	-16.36
3	24	-225.00	-4278.43	165.82	-1674.25	5895.07	-2.851e+04	-12.32
3	24	-210.00	-3679.48	133.95	1455.63	6111.09	-2750.18	10.49
3	24	-180.00	-3424.73	133.52	871.42	5373.46	1.167e+04	27.59
3	24	-150.00	-3087.56	128.44	520.66	4509.02	9626.77	46.94
3	24	-120.00	-2752.60	119.22	390.55	3644.18	5856.64	41.92
3	24	-90.00	-2422.59	105.19	285.47	2806.22	2484.20	-3.35
3	24	-60.00	-2099.76	83.37	129.63	2138.76	-1257.32	-49.74
3	24	-30.00	-1788.35	50.03	-159.19	1972.39	-8205.97	10.60
3	24	0.0	-1486.38	13.54	-498.39	2642.72	-2.131e+04	145.61
3	28	-300.00	-4155.80	473.25	1290.70	2.294e+04	-3.011e+04	-524.29
3	28	-270.00	-4139.38	473.35	1420.98	2.253e+04	1.165e+04	-353.69
3	28	-240.00	-3890.74	471.36	-257.99	1.944e+04	-3316.45	-177.06
3	28	-225.00	-3699.80	440.55	-1647.86	1.816e+04	-2.762e+04	-128.31
3	28	-210.00	-3182.01	351.92	1484.91	1.830e+04	-3381.50	-64.18
3	28	-180.00	-2987.60	344.63	882.26	1.595e+04	1.122e+04	21.64
3	28	-150.00	-2729.02	323.40	525.88	1.315e+04	9954.16	-1.72
3	28	-120.00	-2470.83	295.07	395.57	1.038e+04	6111.34	-33.31
3	28	-90.00	-2213.71	260.31	290.33	7754.21	2704.87	-25.91
3	28	-60.00	-1958.49	215.21	125.95	5499.21	-1025.82	-21.86
3	28	-30.00	-1707.40	155.88	-161.31	3997.55	-7921.20	-22.77
3	28	0.0	-1461.78	94.42	-505.71	3413.93	-2.106e+04	102.69
3	35	-300.00	-4154.86	-525.69	1290.57	-2.159e+04	-3.010e+04	453.42
3	35	-270.00	-4138.42	-525.59	1420.85	-2.131e+04	1.165e+04	262.93
3	35	-240.00	-3890.13	-521.21	-258.07	-1.801e+04	-3317.08	122.37
3	35	-225.00	-3699.38	-485.92	-1647.94	-1.669e+04	-2.762e+04	90.70
3	35	-210.00	-3181.11	-410.31	1485.10	-1.701e+04	-3386.08	-3.68
3	35	-180.00	-2986.62	-402.77	882.38	-1.458e+04	1.122e+04	-37.37
3	35	-150.00	-2727.91	-381.01	525.94	-1.174e+04	9954.26	-77.01
3	35	-120.00	-2469.61	-350.93	395.64	-9028.89	6113.99	-81.86
3	35	-90.00	-2212.43	-315.25	291.51	-6501.59	2711.03	-141.30
3	35	-60.00	-1957.28	-275.48	125.98	-4189.60	-1016.31	-63.45
3	35	-30.00	-1706.42	-235.79	-161.53	-1842.72	-7915.75	18.09
3	35	0.0	-1461.04	-193.07	-506.39	976.34	-2.106e+04	246.49
3	45	-300.00	-3273.79	-76.18	1399.80	-3042.82	-3.211e+04	100.47
3	45	-270.00	-3303.07	-76.08	1530.08	-2960.23	9665.91	60.36
3	45	-240.00	-3120.41	-71.51	-214.30	-2544.61	-2937.44	39.22
3	45	-225.00	-2990.47	-65.12	-1615.49	-2404.61	-2.646e+04	29.47
3	45	-210.00	-2568.88	-58.41	1522.14	-2365.29	-4165.74	7.70
3	45	-180.00	-2447.11	-55.24	895.45	-1981.58	1.063e+04	10.04
3	45	-150.00	-2283.09	-50.08	532.37	-1530.87	1.039e+04	15.98
3	45	-120.00	-2117.99	-45.13	402.14	-1107.23	6451.73	14.14
3	45	-90.00	-1950.16	-41.65	299.64	-716.75	2991.94	-2.95
3	45	-60.00	-1778.65	-41.87	120.80	-279.98	-734.36	-59.54
3	45	-30.00	-1603.03	-49.52	-164.78	499.06	-7564.49	24.47
3	45	0.0	-1422.25	-56.84	-514.69	2203.24	-2.075e+04	194.39
3	56	-300.00	-4415.90	100.26	1254.01	4357.66	-2.946e+04	-60.53
3	56	-270.00	-4386.48	100.36	1384.29	4329.61	1.229e+04	-39.74
3	56	-240.00	-4119.95	97.04	-272.09	3834.87	-3452.42	-13.48
3	56	-225.00	-3912.73	94.01	-1657.71	3680.91	-2.801e+04	-11.80
3	56	-210.00	-3367.50	73.67	1473.05	3802.15	-3144.50	0.64
3	56	-180.00	-3151.95	73.65	878.47	3380.76	1.142e+04	10.42
3	56	-150.00	-2865.83	71.25	523.95	2879.34	9796.31	23.35
3	56	-120.00	-2580.10	66.51	393.39	2361.50	5994.56	19.47
3	56	-90.00	-2296.03	58.26	288.73	1849.27	2617.13	-12.25
3	56	-60.00	-2015.15	43.41	127.80	1472.19	-1105.87	-45.70
3	56	-30.00	-1740.67	17.99	-160.15	1557.77	-8026.42	17.48
3	56	0.0	-1471.21	-9.93	-503.10	2473.24	-2.117e+04	162.65

3	60	-300.00	-4016.23	279.60	1305.05	1.295e+04	-3.039e+04	-294.35
3	60	-270.00	-4007.38	279.70	1435.33	1.271e+04	1.137e+04	-201.16
3	60	-240.00	-3770.13	274.68	-251.85	1.121e+04	-3272.03	-102.41
3	60	-225.00	-3589.94	254.16	-1642.92	1.069e+04	-2.747e+04	-74.00
3	60	-210.00	-3088.19	196.19	1490.17	1.075e+04	-3500.49	-38.91
3	60	-180.00	-2905.52	191.03	884.39	9443.53	1.114e+04	15.87
3	60	-150.00	-2662.22	178.41	526.88	7875.97	1.001e+04	-1.95
3	60	-120.00	-2418.79	162.78	396.44	6296.49	6153.49	-26.25
3	60	-90.00	-2175.44	143.44	291.77	4765.41	2746.35	-25.93
3	60	-60.00	-1932.83	116.32	125.38	3468.66	-978.19	-24.99
3	60	-30.00	-1692.89	77.00	-161.67	2765.48	-7866.20	1.44
3	60	0.0	-1456.54	35.43	-507.15	2925.92	-2.102e+04	139.64
3	67	-300.00	-4015.80	-306.71	1304.98	-1.158e+04	-3.039e+04	250.52
3	67	-270.00	-4006.93	-306.61	1435.26	-1.142e+04	1.137e+04	148.93
3	67	-240.00	-3769.94	-299.39	-251.89	-9776.63	-3272.59	76.26
3	67	-225.00	-3589.88	-275.94	-1642.96	-9229.34	-2.747e+04	56.51
3	67	-210.00	-3087.79	-226.36	1490.29	-9371.62	-3503.57	-0.85
3	67	-180.00	-2905.05	-221.18	884.46	-8050.60	1.114e+04	-20.26
3	67	-150.00	-2661.65	-209.17	526.92	-6518.32	1.001e+04	-45.55
3	67	-120.00	-2418.11	-193.95	396.47	-5038.31	6154.92	-51.08
3	67	-90.00	-2174.70	-176.77	292.51	-3636.92	2749.71	-95.43
3	67	-60.00	-1932.09	-159.07	125.39	-2287.20	-972.96	-50.68
3	67	-30.00	-1692.25	-144.53	-161.79	-717.92	-7863.11	22.48
3	67	0.0	-1456.01	-127.74	-507.61	1467.23	-2.102e+04	218.97
3	75	-300.00	-3081.50	-0.10	1279.44	677.08	-2.870e+04	-5.57
3	75	-270.00	-3081.42	-5.17e-03	1422.63	672.74	1.183e+04	-6.27
3	75	-240.00	-2856.82	0.22	-277.01	697.68	-3340.62	1.06
3	75	-225.00	-2688.24	0.43	-1679.77	704.36	-2.796e+04	2.79e-03
3	75	-210.00	-2182.30	-0.46	1503.00	736.72	-3806.97	-1.22
3	75	-180.00	-2013.50	-0.07	883.97	739.35	1.091e+04	-1.05
3	75	-150.00	-1788.15	-0.03	523.01	711.60	9850.01	-3.30
3	75	-120.00	-1562.18	-0.64	396.13	642.02	5855.96	-9.70
3	75	-90.00	-1335.13	-3.07	309.92	530.02	2599.37	-21.99
3	75	-60.00	-1106.63	-10.06	187.79	439.23	-36.24	-30.29
3	75	-30.00	-877.00	-25.02	-4.26	594.69	-3710.15	33.16
3	75	0.0	-648.66	-35.76	-256.08	1404.50	-1.058e+04	156.25
3	76	-300.00	-4063.70	-0.31	1337.75	695.45	-3.132e+04	-6.19
3	76	-270.00	-4063.64	-0.20	1464.14	698.14	1.070e+04	-7.65
3	76	-240.00	-3839.08	0.06	-238.26	731.54	-3292.14	-0.46
3	76	-225.00	-3670.52	0.30	-1630.04	742.73	-2.725e+04	-2.57
3	76	-210.00	-3164.65	0.85	1492.26	760.82	-3493.13	-5.03
3	76	-180.00	-2996.04	1.34	885.85	734.47	1.109e+04	-5.18
3	76	-150.00	-2771.06	1.46	528.92	685.45	1.016e+04	-6.88
3	76	-120.00	-2545.79	0.99	398.15	611.21	6306.34	-12.94
3	76	-90.00	-2320.12	-1.28	290.36	532.86	2849.03	-25.89
3	76	-60.00	-2094.49	-8.24	108.54	572.48	-1144.34	-36.78
3	76	-30.00	-1870.58	-24.12	-201.93	1073.30	-8818.41	27.03
3	76	0.0	-1648.40	-42.19	-572.10	2425.91	-2.355e+04	191.22

M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-5501.75	-525.69	-2112.49	-2.159e+04	-4.126e+04	-524.29
			-648.65	473.35	1934.59	2.294e+04	1.447e+04	453.42

Macro	Tipo	Angolo 1-Z (gradi)
4	**Setto**	**0.0**

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
4	3	-300.00	-4110.35	-0.05	-1662.28	881.84	3.730e+04	7.42
4	3	-270.00	-4110.46	0.08	-1848.16	873.64	-1.535e+04	8.69
4	3	-240.00	-3817.45	0.40	362.24	903.12	4411.63	-0.79
4	3	-225.00	-3597.88	0.68	2185.85	910.07	3.644e+04	0.95
4	3	-210.00	-2916.84	0.12	-1950.23	941.01	4761.50	3.02
4	3	-180.00	-2697.56	0.66	-1148.24	922.30	-1.431e+04	2.75
4	3	-150.00	-2405.55	0.68	-680.13	863.86	-1.292e+04	4.45
4	3	-120.00	-2114.37	-0.16	-513.98	751.69	-7729.72	8.83
4	3	-90.00	-1824.62	-3.01	-396.06	580.39	-3398.56	14.53
4	3	-60.00	-1536.81	-9.52	-221.82	395.60	430.03	12.81
4	3	-30.00	-1250.48	-18.71	56.55	342.30	6274.51	-20.91
4	3	0.0	-959.98	-17.84	398.33	766.75	1.706e+04	-60.16
4	4	-300.00	-5580.70	0.23	-1749.74	884.79	4.124e+04	6.71
4	4	-270.00	-5580.79	0.36	-1910.42	869.61	-1.366e+04	6.63
4	4	-240.00	-5287.77	0.63	304.15	895.57	4340.72	-3.49
4	4	-225.00	-5068.16	0.85	2111.31	903.14	3.538e+04	-3.42

4	4	-210.00	-4387.05	-1.82	-1934.17	969.77	4293.93	-3.46
4	4	-180.00	-4167.55	-1.42	-1151.09	1028.42	-1.456e+04	-4.59
4	4	-150.00	-3875.09	-1.50	-689.09	1066.60	-1.338e+04	-2.08
4	4	-120.00	-3583.00	-2.40	-517.29	1082.52	-8409.96	3.32
4	4	-90.00	-3291.42	-5.13	-367.44	1100.91	-3791.52	9.97
4	4	-60.00	-2999.73	-10.89	-104.54	1238.09	2040.63	13.50
4	4	-30.00	-2705.53	-17.78	350.77	1755.51	1.382e+04	18.60
4	4	0.0	-2404.53	-14.57	879.50	2860.92	3.642e+04	25.94
4	5	-300.00	-3032.00	-0.04	-1283.32	678.34	2.861e+04	5.71
4	5	-270.00	-3032.09	0.06	-1429.34	672.02	-1.208e+04	6.69
4	5	-240.00	-2806.69	0.31	262.43	694.70	2777.58	-0.61
4	5	-225.00	-2637.79	0.52	1661.90	700.04	2.713e+04	0.73
4	5	-210.00	-2243.72	0.09	-1518.60	723.85	4235.25	2.32
4	5	-180.00	-2075.05	0.51	-891.89	709.47	-1.086e+04	2.11
4	5	-150.00	-1850.42	0.52	-525.65	664.55	-9947.14	3.42
4	5	-120.00	-1626.44	-0.13	-395.51	578.31	-5985.04	6.79
4	5	-90.00	-1403.55	-2.32	-304.22	446.60	-2645.89	11.17
4	5	-60.00	-1182.16	-7.32	-170.22	304.52	312.91	9.86
4	5	-30.00	-961.91	-14.39	43.78	263.56	4819.01	-16.06
4	5	0.0	-738.44	-13.72	306.62	590.02	1.312e+04	-46.25
4	18	-300.00	-4943.04	175.49	-1206.09	7348.34	2.851e+04	103.23
4	18	-270.00	-4888.36	175.59	-1336.57	7293.23	-1.323e+04	55.87
4	18	-240.00	-4583.14	172.24	292.02	6273.21	3575.39	13.20
4	18	-225.00	-4339.73	167.56	1673.25	5890.90	2.847e+04	7.33
4	18	-210.00	-3740.15	134.40	-1455.22	6139.11	2684.93	-15.23
4	18	-180.00	-3485.38	133.94	-871.82	5442.88	-1.174e+04	-34.34
4	18	-150.00	-3148.66	128.81	-521.20	4622.68	-9716.78	-53.07
4	18	-120.00	-2815.06	119.51	-389.98	3804.22	-5952.54	-49.85
4	18	-90.00	-2487.69	105.75	-280.39	3008.59	-2512.03	-12.05
4	18	-60.00	-2168.37	86.38	-113.53	2340.57	1521.01	27.90
4	18	-30.00	-1858.55	62.88	196.41	1984.49	9261.23	23.60
4	18	0.0	-1553.33	44.78	553.31	2074.13	2.367e+04	37.51
4	20	-300.00	-2869.69	137.73	-1447.42	7417.89	3.303e+04	188.60
4	20	-270.00	-2924.52	137.84	-1577.90	7282.60	-8748.64	117.38
4	20	-240.00	-2778.76	138.70	193.35	6433.64	2758.16	60.06
4	20	-225.00	-2684.21	122.95	1598.09	6074.76	2.591e+04	47.85
4	20	-210.00	-2315.65	111.09	-1539.25	6116.72	4491.51	19.32
4	20	-180.00	-2232.80	107.86	-903.02	5379.48	-1.046e+04	16.87
4	20	-150.00	-2119.73	99.74	-536.22	4467.27	-1.066e+04	21.07
4	20	-120.00	-2004.35	89.32	-404.38	3560.26	-6688.93	27.82
4	20	-90.00	-1883.92	76.22	-298.14	2707.71	-3155.23	-25.98
4	20	-60.00	-1756.24	58.70	-102.40	2033.24	847.68	-23.17
4	20	-30.00	-1617.09	37.72	204.54	1736.09	8440.63	-11.80
4	20	0.0	-1464.35	23.82	573.11	2012.01	2.323e+04	6.01
4	28	-300.00	-3595.87	530.00	-1363.00	2.300e+04	3.145e+04	459.89
4	28	-270.00	-3612.36	530.11	-1493.48	2.272e+04	-1.032e+04	264.76
4	28	-240.00	-3410.57	526.36	227.86	1.951e+04	3043.91	117.37
4	28	-225.00	-3263.74	491.44	1624.38	1.825e+04	2.681e+04	87.21
4	28	-210.00	-2814.41	416.23	-1509.79	1.867e+04	3857.54	2.07
4	28	-180.00	-2671.33	409.74	-892.06	1.622e+04	-1.091e+04	-36.30
4	28	-150.00	-2479.90	388.26	-530.96	1.334e+04	-1.033e+04	-70.21
4	28	-120.00	-2288.07	357.16	-399.34	1.052e+04	-6431.32	-63.68
4	28	-90.00	-2095.15	317.28	-291.94	7861.14	-2930.18	-78.64
4	28	-60.00	-1900.31	266.28	-106.32	5563.42	1083.99	-8.54
4	28	-30.00	-1701.36	205.43	201.65	3858.45	8729.25	7.38
4	28	0.0	-1495.45	147.35	566.37	2830.57	2.336e+04	71.95
4	34	-300.00	-4217.65	478.07	-1290.58	2.298e+04	3.009e+04	519.39
4	34	-270.00	-4201.31	478.17	-1421.06	2.257e+04	-1.166e+04	343.18
4	34	-240.00	-3951.76	476.47	257.47	1.950e+04	3289.18	170.30
4	34	-225.00	-3760.37	445.62	1646.93	1.824e+04	2.758e+04	122.42
4	34	-210.00	-3241.80	357.07	-1484.56	1.844e+04	3315.53	101.55
4	34	-180.00	-3047.21	349.94	-882.71	1.612e+04	-1.129e+04	-31.55
4	34	-150.00	-2788.77	328.78	-526.44	1.335e+04	-1.004e+04	-6.60
4	34	-120.00	-2531.54	300.38	-395.01	1.062e+04	-6209.16	25.28
4	34	-90.00	-2276.56	265.89	-286.61	8020.22	-2735.64	-35.89
4	34	-60.00	-2024.23	223.31	-109.66	5748.85	1286.80	1.58
4	34	-30.00	-1774.02	174.01	199.14	4024.11	8975.27	66.35
4	34	0.0	-1522.15	130.33	559.93	2943.97	2.355e+04	94.47
4	50	-300.00	-4477.83	101.41	-1253.94	4353.23	2.945e+04	58.82
4	50	-270.00	-4448.46	101.51	-1384.42	4315.58	-1.230e+04	36.14
4	50	-240.00	-4181.10	98.17	271.54	3815.12	3426.19	10.79
4	50	-225.00	-3973.50	95.08	1656.75	3661.92	2.797e+04	7.41
4	50	-210.00	-3427.62	73.20	-1472.67	3810.66	3079.10	-5.64
4	50	-180.00	-3212.01	73.12	-878.88	3433.41	-1.149e+04	-16.93
4	50	-150.00	-2926.26	70.64	-524.50	2979.37	-9886.68	-29.54
4	50	-120.00	-2641.73	65.79	-392.81	2511.79	-6091.04	-27.59
4	50	-90.00	-2360.12	57.78	-283.70	2047.15	-2645.28	-3.59
4	50	-60.00	-2082.47	45.35	-111.60	1676.73	1369.99	22.61
4	50	-30.00	-1809.22	29.78	197.68	1581.94	9082.53	16.33

4	50	0.0	-1535.62	20.33	557.69	1926.94	2.358e+04	20.51
4	52	-300.00	-3334.71	81.52	-1399.56	4393.39	3.209e+04	109.08
4	52	-270.00	-3364.24	81.62	-1530.04	4311.15	-9684.46	68.64
4	52	-240.00	-3180.67	80.89	213.83	3915.86	2907.36	32.73
4	52	-225.00	-3050.35	70.55	1614.60	3775.99	2.641e+04	25.57
4	52	-210.00	-2628.08	61.64	-1521.82	3811.40	4097.82	8.19
4	52	-180.00	-2506.08	59.46	-895.96	3432.71	-1.071e+04	6.46
4	52	-150.00	-2342.08	54.57	-532.93	2946.00	-1.049e+04	11.68
4	52	-120.00	-2177.64	48.58	-401.55	2436.15	-6550.39	19.08
4	52	-90.00	-2011.50	40.74	-294.83	1936.79	-3021.89	-12.30
4	52	-60.00	-1842.20	29.38	-104.33	1551.21	998.65	-10.99
4	52	-30.00	-1666.52	15.39	203.28	1471.72	8618.90	-5.94
4	52	0.0	-1482.10	8.54	568.63	1897.32	2.332e+04	3.41
4	60	-300.00	-3735.05	309.01	-1348.63	1.298e+04	3.116e+04	259.20
4	60	-270.00	-3743.97	309.11	-1479.10	1.281e+04	-1.060e+04	155.87
4	60	-240.00	-3530.91	302.44	234.02	1.124e+04	3088.72	72.79
4	60	-225.00	-3373.43	279.37	1629.34	1.073e+04	2.696e+04	54.85
4	60	-210.00	-2907.96	229.41	-1504.58	1.096e+04	3740.20	3.85
4	60	-180.00	-2753.17	225.20	-889.96	9635.64	-1.098e+04	-18.58
4	60	-150.00	-2546.51	213.39	-529.97	8059.24	-1.028e+04	-39.04
4	60	-120.00	-2340.02	197.10	-398.49	6481.24	-6389.68	-33.68
4	60	-90.00	-2133.43	175.64	-290.94	4954.68	-2890.12	-43.80
4	60	-60.00	-1926.17	146.59	-106.89	3632.27	1128.98	0.88
4	60	-30.00	-1716.31	110.74	201.29	2728.87	8782.04	6.02
4	60	0.0	-1500.80	78.90	564.89	2391.27	2.340e+04	39.90
4	66	-300.00	-4077.86	282.34	-1304.93	1.296e+04	3.037e+04	291.36
4	66	-270.00	-4069.12	282.45	-1435.40	1.273e+04	-1.138e+04	194.67
4	66	-240.00	-3830.98	277.55	251.34	1.122e+04	3244.42	97.81
4	66	-225.00	-3650.38	256.99	1641.99	1.071e+04	2.743e+04	69.11
4	66	-210.00	-3147.87	198.27	-1489.82	1.081e+04	3434.52	60.46
4	66	-180.00	-2965.04	193.16	-884.84	9549.02	-1.121e+04	-24.20
4	66	-150.00	-2721.91	180.56	-527.44	8022.80	-1.010e+04	-5.58
4	66	-120.00	-2479.42	164.84	-395.86	6488.44	-6251.11	18.05
4	66	-90.00	-2238.20	145.74	-287.60	4999.59	-2776.18	-19.10
4	66	-60.00	-1998.43	121.07	-109.07	3701.48	1240.83	1.99
4	66	-30.00	-1759.26	91.71	199.57	2800.51	8920.97	37.45
4	66	0.0	-1516.87	68.26	561.33	2447.87	2.351e+04	51.55
4	73	-300.00	-3032.00	-0.04	-1283.32	678.34	2.861e+04	5.71
4	73	-270.00	-3032.09	0.06	-1429.34	672.02	-1.208e+04	6.69
4	73	-240.00	-2806.69	0.31	262.43	694.70	2777.58	-0.61
4	73	-225.00	-2637.79	0.52	1661.90	700.04	2.713e+04	0.73
4	73	-210.00	-2243.72	0.09	-1518.60	723.85	4235.25	2.32
4	73	-180.00	-2075.05	0.51	-891.89	709.47	-1.086e+04	2.11
4	73	-150.00	-1850.42	0.52	-525.65	664.55	-9947.14	3.42
4	73	-120.00	-1626.44	-0.13	-395.51	578.31	-5985.04	6.79
4	73	-90.00	-1403.55	-2.32	-304.22	446.60	-2645.89	11.17
4	73	-60.00	-1182.16	-7.32	-170.22	304.52	312.91	9.86
4	73	-30.00	-961.91	-14.39	43.78	263.56	4819.01	-16.06
4	73	0.0	-738.44	-13.72	306.62	590.02	1.312e+04	-46.25
4	75	-300.00	-3144.50	-0.04	-1279.30	678.34	2.868e+04	5.71
4	75	-270.00	-3144.59	0.06	-1422.68	672.03	-1.185e+04	6.69
4	75	-240.00	-2919.19	0.31	276.48	694.70	3311.43	-0.61
4	75	-225.00	-2750.29	0.52	1678.82	700.05	2.791e+04	0.73
4	75	-210.00	-2243.72	0.09	-1502.64	723.85	3739.04	2.32
4	75	-180.00	-2075.05	0.51	-884.41	709.46	-1.099e+04	2.12
4	75	-150.00	-1850.42	0.52	-523.51	664.51	-9941.25	3.42
4	75	-120.00	-1626.44	-0.13	-395.39	578.24	-5951.15	6.80
4	75	-90.00	-1403.55	-2.32	-304.61	446.47	-2618.49	11.17
4	75	-60.00	-1182.16	-7.33	-170.58	304.33	328.41	9.86
4	75	-30.00	-961.91	-14.39	43.54	263.34	4825.54	-16.08
4	75	0.0	-738.45	-13.72	306.44	589.84	1.312e+04	-46.27
4	76	-300.00	-4124.73	0.15	-1337.60	680.30	3.131e+04	5.24
4	76	-270.00	-4124.81	0.25	-1464.19	669.34	-1.072e+04	5.31
4	76	-240.00	-3899.40	0.46	237.76	689.67	3264.15	-2.41
4	76	-225.00	-3730.48	0.64	1629.13	695.43	2.721e+04	-2.18
4	76	-210.00	-3223.86	-1.20	-1491.92	743.02	3427.32	-1.99
4	76	-180.00	-3055.04	-0.88	-886.31	780.21	-1.116e+04	-2.78
4	76	-150.00	-2830.11	-0.93	-529.48	799.68	-1.025e+04	-0.93
4	76	-120.00	-2605.53	-1.61	-397.59	798.79	-6404.64	3.12
4	76	-90.00	-2381.42	-3.73	-285.52	793.49	-2880.47	8.13
4	76	-60.00	-2157.44	-8.24	-92.39	866.00	1402.14	10.31
4	76	-30.00	-1931.94	-13.77	239.68	1205.48	9858.19	10.26
4	76	0.0	-1701.48	-11.54	627.22	1985.95	2.603e+04	11.12

M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-5580.79	-18.71	-1950.23	263.34	-1.535e+04	-78.64
			-738.44	530.11	2185.85	2.300e+04	4.124e+04	519.39

Macro	Tipo	Angolo 1-Z (gradi)
5	**Setto**	**0.0**

M_S	Cmb	Z	N memb.	V memb.	V orto	M memb.	M orto	T
		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	4	-300.00	-5499.86	-0.43	-1749.91	-867.47	4.126e+04	7.83
5	4	-270.00	-5499.76	-0.30	-1910.34	-872.62	-1.364e+04	9.83
5	4	-240.00	-5207.81	0.03	304.83	-916.32	4378.27	0.91
5	4	-225.00	-4988.67	0.34	2112.54	-931.48	3.544e+04	3.77
5	4	-210.00	-4308.53	1.38	-1934.64	-951.42	4382.02	7.05
5	4	-180.00	-4089.24	2.02	-1150.50	-913.27	-1.447e+04	7.21
5	4	-150.00	-3796.62	2.22	-688.39	-851.04	-1.326e+04	9.07
5	4	-120.00	-3503.50	1.66	-518.08	-765.52	-8281.98	16.57
5	4	-90.00	-3209.71	-1.18	-373.90	-689.77	-3753.78	33.49
5	4	-60.00	-2915.79	-10.06	-125.89	-787.84	1694.66	49.19
5	4	-30.00	-2624.27	-30.85	301.18	-1503.47	1.245e+04	-29.15
5	4	0.0	-2341.25	-57.09	805.51	-3366.55	3.316e+04	-200.90
5	7	-300.00	-3137.96	-0.10	-1277.42	-681.63	2.874e+04	5.60
5	7	-270.00	-3137.87	-6.29e-03	-1419.29	-677.26	-1.171e+04	6.31
5	7	-240.00	-2913.26	0.22	284.05	-702.42	3607.83	-1.08
5	7	-225.00	-2744.66	0.43	1688.25	-709.25	2.835e+04	-0.02
5	7	-210.00	-2182.48	-0.46	-1495.04	-741.78	3559.67	1.20
5	7	-180.00	-2013.64	-0.07	-880.24	-744.93	-1.098e+04	0.99
5	7	-150.00	-1788.25	-0.03	-521.95	-718.38	-9846.73	3.17
5	7	-120.00	-1562.19	-0.63	-396.11	-651.02	-5839.27	9.47
5	7	-90.00	-1335.00	-3.03	-310.21	-542.01	-2587.77	21.71
5	7	-60.00	-1106.27	-9.95	-188.19	-451.63	37.30	30.28
5	7	-30.00	-876.43	-24.88	3.85	-593.41	3698.58	-32.05
5	7	0.0	-650.50	-36.22	256.27	-1389.33	1.057e+04	-143.92
5	9	-300.00	-4154.86	473.27	-1290.69	-2.292e+04	3.011e+04	524.11
5	9	-270.00	-4138.42	473.37	-1420.97	-2.251e+04	-1.165e+04	353.48
5	9	-240.00	-3889.76	471.39	258.01	-1.942e+04	3317.28	177.06
5	9	-225.00	-3698.80	440.56	1647.89	-1.814e+04	2.762e+04	128.26
5	9	-210.00	-3180.99	351.94	-1484.94	-1.828e+04	3383.30	64.04
5	9	-180.00	-2986.50	344.65	-882.27	-1.594e+04	-1.122e+04	-21.85
5	9	-150.00	-2727.78	323.42	-525.90	-1.313e+04	-9953.39	1.35
5	9	-120.00	-2469.35	295.11	-395.63	-1.038e+04	-6111.67	32.76
5	9	-90.00	-2211.81	260.40	-290.50	-7755.51	-2708.36	25.34
5	9	-60.00	-1955.88	215.39	-126.30	-5509.75	1014.44	21.85
5	9	-30.00	-1703.88	156.15	160.73	-3998.09	7895.74	26.09
5	9	0.0	-1461.25	93.63	504.06	-3390.52	2.103e+04	-70.71
5	19	-300.00	-4153.91	-525.71	-1290.56	2.161e+04	3.010e+04	-453.58
5	19	-270.00	-4137.46	-525.61	-1420.84	2.133e+04	-1.165e+04	-263.12
5	19	-240.00	-3889.14	-521.24	258.09	1.803e+04	3317.96	-122.38
5	19	-225.00	-3698.38	-485.96	1647.97	1.672e+04	2.762e+04	-90.77
5	19	-210.00	-3180.10	-410.33	-1485.13	1.703e+04	3388.02	3.52
5	19	-180.00	-2985.53	-402.79	-882.39	1.460e+04	-1.122e+04	37.13
5	19	-150.00	-2726.68	-381.02	-525.96	1.176e+04	-9953.49	76.63
5	19	-120.00	-2468.14	-350.92	-395.71	9038.96	-6114.36	81.25
5	19	-90.00	-2210.55	-315.20	-291.70	6499.23	-2714.77	140.44
5	19	-60.00	-1954.71	-275.31	-126.33	4173.63	1004.56	63.85
5	19	-30.00	-1702.94	-235.68	161.03	1828.71	7889.15	-15.63
5	19	0.0	-1465.97	-193.48	505.53	-1332.44	2.102e+04	-215.74
5	30	-300.00	-2808.66	182.45	-1447.74	-7279.00	3.305e+04	101.35
5	30	-270.00	-2863.15	182.55	-1578.02	-7245.96	-8726.78	54.94
5	30	-240.00	-2718.23	184.39	193.79	-6157.03	2789.84	8.06
5	30	-225.00	-2623.97	172.80	1598.97	-5729.36	2.596e+04	4.21
5	30	-210.00	-2256.20	138.87	-1539.53	-5954.99	4560.35	-17.94
5	30	-180.00	-2173.55	138.65	-902.45	-5218.86	-1.038e+04	-40.05
5	30	-150.00	-2060.46	133.81	-535.67	-4362.60	-1.056e+04	-66.80
5	30	-120.00	-1944.34	124.79	-405.02	-3513.33	-6589.22	-63.53
5	30	-90.00	-1822.05	110.86	-303.08	-2697.48	-3126.73	-67.13
5	30	-60.00	-1691.79	89.01	-119.31	-2055.23	574.90	49.61
5	30	-30.00	-1552.15	55.40	165.17	-1897.21	7362.87	-30.30
5	30	0.0	-1403.76	18.96	518.51	-2773.88	2.058e+04	-130.19
5	37	-300.00	-4879.57	173.68	-1206.09	-7326.88	2.852e+04	105.52
5	37	-270.00	-4824.89	173.78	-1336.37	-7279.98	-1.322e+04	60.80
5	37	-240.00	-4520.46	170.41	292.62	-6261.75	3601.42	16.40
5	37	-225.00	-4277.42	165.80	1674.28	-5874.74	2.851e+04	12.30
5	37	-210.00	-3678.46	133.96	-1455.67	-6090.43	2752.07	-10.56
5	37	-180.00	-3423.63	133.52	-871.44	-5354.12	-1.167e+04	-27.73
5	37	-150.00	-3086.31	128.44	-520.68	-4493.26	-9626.16	-47.23
5	37	-120.00	-2751.10	119.25	-390.62	-3635.45	-5857.14	-42.43
5	37	-90.00	-2420.66	105.27	-285.65	-2808.53	-2487.91	2.79
5	37	-60.00	-2097.11	83.56	-129.98	-2151.57	1245.52	49.68
5	37	-30.00	-1784.77	50.22	158.65	-1978.31	8179.66	-6.99

5	37	0.0	-1484.04	12.91	497.68	-2536.66	2.127e+04	-112.10
5	41	-300.00	-4015.29	279.62	-1305.04	-1.293e+04	3.039e+04	294.18
5	41	-270.00	-4006.42	279.72	-1435.32	-1.269e+04	-1.137e+04	200.95
5	41	-240.00	-3769.15	274.69	251.87	-1.119e+04	3272.87	102.41
5	41	-225.00	-3588.95	254.16	1642.95	-1.067e+04	2.747e+04	73.95
5	41	-210.00	-3087.18	196.21	-1490.20	-1.072e+04	3502.30	38.77
5	41	-180.00	-2904.43	191.04	-884.40	-9423.91	-1.114e+04	-16.08
5	41	-150.00	-2661.00	178.42	-526.90	-7859.91	-1.000e+04	1.59
5	41	-120.00	-2417.31	162.82	-396.50	-6287.45	-6153.83	25.71
5	41	-90.00	-2173.55	143.52	-291.94	-4767.21	-2749.91	25.34
5	41	-60.00	-1930.24	116.50	-125.75	-3480.58	966.77	24.98
5	41	-30.00	-1689.38	77.24	161.11	-2769.03	7840.75	1.74
5	41	0.0	-1456.12	34.70	505.86	-2913.54	2.099e+04	-107.13
5	51	-300.00	-4014.86	-306.72	-1304.97	1.160e+04	3.039e+04	-250.68
5	51	-270.00	-4005.97	-306.63	-1435.25	1.144e+04	-1.137e+04	-149.12
5	51	-240.00	-3768.96	-299.41	251.92	9797.53	3273.46	-76.27
5	51	-225.00	-3588.88	-275.97	1642.99	9250.58	2.747e+04	-56.57
5	51	-210.00	-3086.78	-226.37	-1490.32	9393.25	3505.45	0.70
5	51	-180.00	-2903.96	-221.19	-884.48	8071.17	-1.114e+04	20.02
5	51	-150.00	-2660.43	-209.17	-526.94	6535.52	-1.000e+04	45.18
5	51	-120.00	-2416.64	-193.93	-396.54	5048.32	-6155.27	50.50
5	51	-90.00	-2172.82	-176.70	-292.69	3635.04	-2753.40	94.69
5	51	-60.00	-1929.52	-158.89	-125.75	2272.89	961.33	50.93
5	51	-30.00	-1688.76	-144.38	161.28	707.73	7837.02	-19.96
5	51	0.0	-1458.98	-128.25	506.83	-1688.69	2.098e+04	-187.25
5	62	-300.00	-3272.98	105.05	-1399.82	-4311.02	3.211e+04	58.18
5	62	-270.00	-3302.25	105.15	-1530.09	-4290.63	-9665.14	36.65
5	62	-240.00	-3119.49	105.17	214.31	-3755.39	2938.11	9.34
5	62	-225.00	-2989.48	97.76	1615.51	-3578.37	2.646e+04	7.91
5	62	-210.00	-2567.99	76.28	-1522.13	-3704.21	4166.60	-3.99
5	62	-180.00	-2446.15	76.40	-895.44	-3283.83	-1.063e+04	-16.63
5	62	-150.00	-2282.02	74.18	-532.39	-2787.99	-1.039e+04	-34.35
5	62	-120.00	-2116.70	69.60	-402.20	-2281.40	-6451.65	-31.64
5	62	-90.00	-1948.47	61.46	-299.83	-1785.89	-2994.73	-32.55
5	62	-60.00	-1776.27	46.65	-121.18	-1427.23	724.34	47.17
5	62	-30.00	-1599.73	21.11	164.22	-1514.07	7541.02	-25.70
5	62	0.0	-1421.34	-7.15	513.88	-2557.38	2.072e+04	-139.27
5	69	-300.00	-4414.96	100.26	-1254.00	-4337.65	2.946e+04	60.37
5	69	-270.00	-4385.52	100.36	-1384.27	-4309.70	-1.229e+04	39.55
5	69	-240.00	-4118.97	97.03	272.11	-3814.39	3453.29	13.51
5	69	-225.00	-3911.73	94.00	1657.75	-3660.40	2.802e+04	11.76
5	69	-210.00	-3366.49	73.68	-1473.09	-3781.32	3146.36	-0.74
5	69	-180.00	-3150.85	73.65	-878.48	-3361.23	-1.142e+04	-10.59
5	69	-150.00	-2864.59	71.26	-523.97	-2863.38	-9795.62	-23.67
5	69	-120.00	-2578.61	66.54	-393.45	-2352.63	-5995.00	-20.00
5	69	-90.00	-2294.12	58.34	-288.91	-1851.57	-2620.81	11.68
5	69	-60.00	-2012.53	43.60	-128.16	-1485.27	1094.21	45.69
5	69	-30.00	-1737.13	18.19	159.62	-1564.05	8000.49	-14.17
5	69	0.0	-1469.63	-10.57	502.43	-2406.54	2.113e+04	-129.39
5	75	-300.00	-3081.71	-0.10	-1279.44	-681.63	2.870e+04	5.60
5	75	-270.00	-3081.62	-6.37e-03	-1422.62	-677.26	-1.183e+04	6.31
5	75	-240.00	-2857.01	0.22	277.02	-702.43	3340.90	-1.08
5	75	-225.00	-2688.41	0.43	1679.79	-709.26	2.796e+04	-0.02
5	75	-210.00	-2182.48	-0.46	-1503.02	-741.79	3807.78	1.20
5	75	-180.00	-2013.64	-0.07	-883.98	-744.95	-1.091e+04	0.99
5	75	-150.00	-1788.25	-0.03	-523.02	-718.40	-9849.68	3.17
5	75	-120.00	-1562.19	-0.63	-396.17	-651.07	-5856.21	9.47
5	75	-90.00	-1335.00	-3.03	-310.01	-542.08	-2601.46	21.71
5	75	-60.00	-1106.27	-9.95	-188.00	-451.73	29.59	30.28
5	75	-30.00	-876.43	-24.88	3.97	-593.52	3695.41	-32.03
5	75	0.0	-650.51	-36.22	256.36	-1389.41	1.057e+04	-143.90
5	76	-300.00	-4062.47	-0.30	-1337.74	-669.20	3.132e+04	5.97
5	76	-270.00	-4062.39	-0.20	-1464.13	-672.05	-1.070e+04	7.39
5	76	-240.00	-3837.81	0.05	238.28	-704.54	3293.12	0.46
5	76	-225.00	-3669.23	0.29	1630.08	-715.56	2.725e+04	2.51
5	76	-210.00	-3163.35	0.86	-1492.29	-733.19	3495.21	4.86
5	76	-180.00	-2994.65	1.34	-885.86	-708.18	-1.108e+04	4.94
5	76	-150.00	-2769.51	1.47	-528.95	-663.16	-1.015e+04	6.47
5	76	-120.00	-2543.96	1.02	-398.22	-597.17	-6306.67	12.31
5	76	-90.00	-2317.80	-1.19	-290.55	-532.14	-2853.03	25.22
5	76	-60.00	-2091.36	-8.03	-108.95	-585.49	1131.66	36.83
5	76	-30.00	-1866.37	-23.89	201.35	-1081.48	8790.33	-23.70
5	76	0.0	-1647.57	-42.89	571.21	-2429.64	2.351e+04	-153.12

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-5499.86	-525.71	-1934.64	-2.292e+04	-1.447e+04	-453.58
	-650.50	473.37	2112.54	2.161e+04	4.126e+04	524.11

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
1	4	1	22.01	-23.45	-0.71	-0.73	-22.73	-126.75	-214.51	-171.08	-170.18	-43.88
1	4	2	-18.00	-26.88	-18.02	-26.86	-0.45	186.68	-285.92	173.69	-272.93	-77.25
1	4	3	-28.16	-31.16	-28.38	-30.94	-0.79	443.78	-363.24	443.00	-362.45	-25.20
1	4	4	-28.18	-31.17	-28.40	-30.94	0.78	445.86	-363.46	445.12	-362.72	24.42
1	4	5	-18.02	-26.91	-18.04	-26.89	0.47	190.29	-286.59	177.52	-273.81	77.00
1	4	6	22.08	-23.31	-0.62	-0.62	22.69	-125.95	-216.13	-171.05	-171.03	45.09
1	4	7	-18.03	-26.90	-26.87	-18.05	-0.45	187.77	-286.35	-273.57	175.00	-76.76
1	4	8	-17.15	-28.44	-22.80	-22.79	5.64	719.09	217.53	467.15	469.47	-250.77
1	4	9	-22.25	-29.13	-22.86	-28.52	1.95	781.65	567.21	724.79	624.07	-94.66
1	4	10	-22.25	-29.13	-22.86	-28.53	-1.95	782.32	571.11	727.68	625.75	92.49
1	4	11	-17.13	-28.45	-22.79	-22.79	-5.66	723.44	223.18	473.28	473.33	250.13
1	4	12	-18.02	-26.91	-26.89	-18.04	0.47	190.32	-286.60	-273.83	177.54	76.99
1	4	13	-28.17	-31.16	-30.94	-28.39	-0.78	442.91	-363.43	-362.70	442.18	-24.34
1	4	14	-22.25	-29.13	-28.52	-22.86	1.94	777.33	564.24	618.03	723.54	-92.56
1	4	15	-24.51	-26.42	-25.46	-25.46	0.96	988.29	914.47	950.45	952.31	-36.90
1	4	16	-24.50	-26.43	-25.46	-25.46	-0.96	990.42	917.80	954.09	954.13	36.31
1	4	17	-22.25	-29.13	-28.53	-22.86	-1.95	782.22	571.04	625.62	727.64	92.45
1	4	18	-28.18	-31.17	-30.94	-28.40	0.78	445.83	-363.46	-362.73	445.09	24.41
1	4	19	-28.15	-31.15	-30.93	-28.37	0.78	440.74	-363.21	-362.42	439.95	25.24
1	4	20	-22.25	-29.13	-28.52	-22.86	-1.95	777.00	559.77	616.25	720.52	95.28
1	4	21	-24.50	-26.42	-25.46	-25.46	-0.96	986.51	910.53	948.54	948.50	37.99
1	4	22	-24.51	-26.42	-25.46	-25.46	0.96	988.20	914.30	952.19	950.31	-36.94
1	4	23	-22.25	-29.13	-28.52	-22.86	1.95	781.53	566.95	623.85	724.62	-94.72
1	4	24	-28.16	-31.16	-30.94	-28.38	-0.79	443.66	-363.24	-362.45	442.87	-25.22
1	4	25	-18.02	-26.86	-26.84	-18.04	0.42	183.95	-285.67	-272.66	170.93	77.09
1	4	26	-17.17	-28.44	-22.81	-22.81	-5.63	714.90	211.23	463.09	463.04	251.84
1	4	27	-22.25	-29.13	-22.86	-28.52	-1.95	776.91	559.70	720.50	616.11	95.24
1	4	28	-22.26	-29.13	-22.86	-28.52	1.94	777.21	563.98	723.38	617.81	-92.63
1	4	29	-17.15	-28.44	-22.79	-22.80	5.64	718.89	217.26	469.24	466.91	-250.81
1	4	30	-18.00	-26.88	-26.86	-18.02	-0.45	186.53	-285.90	-272.91	173.54	-77.25
1	4	31	21.94	-23.60	-0.83	-0.83	22.77	-127.64	-212.81	-170.22	-170.23	42.59
1	4	32	-18.02	-26.86	-18.04	-26.84	0.43	183.98	-285.68	170.97	-272.67	77.08
1	4	33	-28.15	-31.15	-28.37	-30.93	0.78	440.73	-363.21	439.94	-362.42	25.22
1	4	34	-28.17	-31.16	-28.39	-30.94	-0.78	442.80	-363.43	442.06	-362.69	-24.36
1	4	35	-18.03	-26.90	-18.05	-26.87	-0.45	187.63	-286.32	174.85	-273.55	-76.76
1	4	36	22.01	-23.45	-0.73	-0.72	-22.73	-126.78	-214.44	-170.16	-171.06	-43.82
1	15	1	15.33	-17.39	0.63	-2.69	-16.27	-66.61	-120.84	-79.28	-108.17	-22.95
1	15	2	-11.56	-21.88	-11.97	-21.47	2.03	157.50	-200.66	153.47	-196.63	-37.80
1	15	3	-18.03	-25.28	-19.47	-23.85	2.89	307.19	-283.02	306.96	-282.79	11.74
1	15	4	-17.25	-26.29	-20.05	-23.49	4.18	254.48	-306.34	250.36	-302.22	47.86
1	15	5	-12.17	-21.10	-13.44	-19.84	3.11	62.70	-261.36	46.01	-244.67	71.62
1	15	6	19.87	-19.73	-0.85	0.99	19.78	-133.61	-219.11	-184.68	-168.05	41.93
1	15	7	-17.52	-19.72	-19.69	-17.55	0.26	153.22	-158.99	-151.04	145.26	-49.21
1	15	8	-11.88	-23.42	-16.49	-18.80	5.65	515.77	193.13	368.06	340.84	-160.75
1	15	9	-14.59	-24.29	-16.72	-22.16	4.01	525.88	404.86	513.04	417.69	-37.26
1	15	10	-16.55	-21.92	-16.94	-21.53	1.38	514.82	312.89	444.85	382.86	96.09
1	15	11	-14.87	-18.96	-17.55	-16.28	-1.95	444.31	57.71	243.00	259.02	193.13
1	15	12	-9.97	-21.30	-20.90	-10.38	2.10	64.21	-282.85	-270.06	51.42	65.38
1	15	13	-23.20	-27.87	-23.61	-27.46	-1.32	357.90	-205.37	-204.56	357.10	-21.31
1	15	14	-18.77	-21.98	-21.37	-19.38	1.26	590.91	449.85	492.00	548.77	-64.57
1	15	15	-18.17	-21.02	-19.32	-19.87	1.39	697.44	660.61	688.81	669.24	-15.60
1	15	16	-18.60	-19.58	-19.22	-18.96	0.47	653.77	566.75	604.58	615.94	43.13
1	15	17	-15.49	-21.97	-21.96	-15.50	-0.17	473.72	291.59	340.16	425.15	80.54
1	15	18	-15.33	-24.00	-23.61	-15.71	1.78	224.66	-346.22	-344.65	223.09	29.89
1	15	19	-23.48	-27.47	-23.73	-27.21	-0.98	373.00	-198.94	-198.90	372.96	4.93
1	15	20	-17.28	-23.60	-21.57	-19.31	-2.95	594.07	474.93	501.27	567.73	49.44
1	15	21	-17.80	-21.60	-19.50	-19.90	-1.89	708.81	687.38	703.71	692.49	9.13
1	15	22	-18.90	-19.63	-19.61	-18.92	0.12	665.32	593.41	619.65	639.07	-34.62
1	15	23	-15.08	-22.50	-22.14	-15.44	1.61	475.80	317.97	350.03	443.73	-63.50
1	15	24	-15.63	-23.71	-23.71	-15.63	-2.20e-02	238.86	-338.33	-338.10	238.63	-11.51
1	15	25	-16.18	-21.30	-20.46	-17.02	-1.90	180.87	-142.05	-137.01	175.83	40.01
1	15	26	-11.12	-24.65	-17.29	-18.48	-6.74	535.21	230.10	389.86	375.44	152.39
1	15	27	-15.28	-24.60	-17.89	-21.99	-4.19	559.03	447.78	547.69	459.13	33.67
1	15	28	-17.89	-21.55	-18.09	-21.36	-0.83	547.11	356.58	479.89	423.79	-91.04
1	15	29	-13.87	-20.39	-18.25	-16.01	3.06	463.09	95.38	266.42	292.05	-183.41
1	15	30	-10.06	-21.06	-21.02	-10.11	-0.72	89.08	-262.27	-253.53	80.34	-54.72
1	15	31	13.84	-16.78	-0.68	-2.26	15.29	-50.51	-87.30	-62.10	-75.71	17.09
1	15	32	-13.37	-21.98	-14.26	-21.09	-2.63	182.56	-163.18	179.33	-159.94	33.27
1	15	33	-20.61	-26.29	-23.04	-23.86	-2.81	345.65	-240.78	345.32	-240.45	-13.88
1	15	34	-19.80	-27.13	-23.46	-23.48	-3.66	292.98	-264.40	289.25	-260.67	-45.42
1	15	35	-14.46	-20.59	-15.38	-19.66	-2.20	88.91	-225.20	74.06	-210.35	-66.66

1	15	36	18.49	-19.08	-1.83	1.24	-18.72	-113.64	-188.78	-164.15	-138.27	-35.27
1	38	1	15.31	-17.35	-2.63	0.59	-16.25	-66.24	-120.81	-108.24	-78.81	-22.98
1	38	2	-17.43	-19.73	-17.48	-19.68	0.31	152.93	-158.83	144.79	-150.69	-49.70
1	38	3	-23.25	-27.79	-27.43	-23.61	-1.23	358.98	-205.17	358.11	-204.31	-22.10
1	38	4	-23.54	-27.47	-27.26	-23.75	-0.89	377.16	-198.90	377.13	-198.87	4.25
1	38	5	-16.29	-21.28	-17.08	-20.49	-1.82	185.70	-142.45	180.73	-137.48	40.09
1	38	6	13.96	-16.59	-2.14	-0.48	15.26	-48.95	-90.17	-76.80	-62.32	19.30
1	38	7	-11.63	-21.79	-21.38	-12.04	1.99	158.41	-200.55	-196.61	154.47	-37.38
1	38	8	-11.86	-23.43	-18.80	-16.49	5.67	516.22	193.21	339.53	369.90	-160.79
1	38	9	-18.71	-22.04	-19.38	-21.37	1.33	594.89	452.11	550.14	496.86	-66.23
1	38	10	-17.35	-23.54	-19.32	-21.57	-2.88	598.50	483.95	573.52	508.94	47.30
1	38	11	-11.11	-24.65	-18.49	-17.27	-6.74	542.13	239.33	383.30	398.17	151.22
1	38	12	-13.36	-22.10	-21.23	-14.23	-2.62	187.97	-164.33	-161.12	184.77	33.46
1	38	13	-18.10	-25.23	-23.85	-19.49	2.82	306.80	-283.00	-282.73	306.53	12.52
1	38	14	-14.61	-24.27	-22.16	-16.72	3.99	523.83	401.86	413.36	512.34	-35.63
1	38	15	-18.15	-21.07	-19.90	-19.32	1.43	698.66	660.22	668.23	690.64	-15.62
1	38	16	-17.82	-21.55	-19.87	-19.50	-1.86	712.47	693.17	697.19	708.45	7.84
1	38	17	-15.26	-24.62	-22.00	-17.89	-4.21	563.79	456.35	466.61	553.52	31.58
1	38	18	-20.55	-26.36	-23.87	-23.04	-2.88	349.88	-241.06	-240.71	349.53	-14.36
1	38	19	-17.28	-26.21	-23.48	-20.01	4.11	250.90	-306.29	-302.00	246.62	48.67
1	38	20	-16.57	-21.90	-21.53	-16.94	1.36	511.06	304.27	375.68	439.65	98.32
1	38	21	-18.55	-19.60	-18.93	-19.23	0.50	651.14	561.53	612.00	600.67	44.45
1	38	22	-18.92	-19.64	-18.95	-19.61	0.16	666.15	593.34	640.93	618.57	-34.65
1	38	23	-17.89	-21.56	-21.35	-18.09	-0.84	551.21	358.63	428.76	481.08	-92.67
1	38	24	-19.74	-27.21	-23.48	-23.48	-3.73	293.87	-264.07	-260.25	290.06	-46.00
1	38	25	-12.19	-21.11	-19.90	-13.39	3.05	58.38	-261.19	-244.08	41.27	71.95
1	38	26	-14.92	-18.95	-16.31	-17.56	-1.91	438.02	48.50	251.05	235.48	194.60
1	38	27	-15.51	-21.96	-15.51	-21.96	-0.11	469.90	283.09	419.88	333.11	82.72
1	38	28	-15.05	-22.53	-15.44	-22.14	1.67	473.20	315.46	443.15	345.51	-61.95
1	38	29	-13.85	-20.41	-15.99	-18.27	3.08	463.51	95.40	294.29	264.62	-183.46
1	38	30	-14.44	-20.52	-19.56	-15.40	-2.22	88.10	-224.47	-209.38	73.01	-67.00
1	38	31	19.77	-19.99	0.78	-0.99	19.86	-134.72	-216.82	-167.88	-183.66	40.28
1	38	32	-10.01	-21.27	-10.42	-20.86	2.11	59.26	-281.89	46.14	-268.77	65.59
1	38	33	-15.30	-24.03	-15.72	-23.61	1.87	220.91	-345.83	219.26	-344.19	30.49
1	38	34	-15.62	-23.71	-15.62	-23.71	7.32e-02	238.56	-338.48	238.35	-338.27	-10.98
1	38	35	-10.04	-21.07	-10.09	-21.03	-0.68	90.46	-262.81	81.86	-254.21	-54.45
1	38	36	18.48	-19.05	1.28	-1.84	-18.70	-113.05	-189.02	-136.98	-165.09	-35.29
1	47	1	15.91	-17.71	7.75e-02	-1.87	-16.78	-79.74	-133.36	-98.65	-114.45	-25.62
1	47	2	-12.57	-21.22	-12.72	-21.07	1.13	141.07	-205.15	135.29	-199.37	-44.37
1	47	3	-19.78	-24.31	-20.32	-23.77	1.47	303.12	-277.70	303.12	-277.70	-1.32
1	47	4	-19.07	-25.16	-20.67	-23.57	2.67	274.70	-290.51	272.67	-288.48	33.82
1	47	5	-13.05	-20.65	-13.56	-20.13	1.91	89.88	-238.73	77.26	-226.11	63.16
1	47	6	18.67	-19.03	-0.72	0.36	18.84	-115.10	-189.91	-157.14	-147.87	37.12
1	47	7	-15.98	-20.02	-20.02	-15.98	8.87e-02	139.27	-182.38	-174.29	131.18	-50.36
1	47	8	-12.37	-22.70	-16.86	-18.22	5.12	503.69	171.55	344.74	330.50	-165.92
1	47	9	-15.61	-23.39	-17.00	-22.00	2.98	528.75	397.31	505.83	420.23	-49.87
1	47	10	-17.13	-21.64	-17.14	-21.64	0.19	523.70	347.31	469.33	401.67	81.45
1	47	11	-14.16	-20.09	-17.50	-16.75	-2.94	466.15	98.66	277.98	286.84	183.69
1	47	12	-11.60	-20.95	-20.76	-11.79	1.32	91.05	-250.99	-240.20	80.27	59.78
1	47	13	-23.10	-25.49	-23.63	-24.96	-0.99	331.15	-235.23	-234.58	330.50	-19.11
1	47	14	-18.03	-22.05	-21.51	-18.56	1.36	564.18	419.96	459.06	525.08	-64.11
1	47	15	-18.38	-20.65	-19.36	-19.68	1.12	688.64	647.24	673.00	662.89	-20.07
1	47	16	-19.14	-19.31	-19.30	-19.15	-2.47e-02	666.24	595.95	627.97	634.22	35.01
1	47	17	-16.20	-21.99	-21.90	-16.29	-0.71	501.54	335.04	378.12	458.46	72.92
1	47	18	-17.86	-23.93	-23.65	-18.15	1.28	258.61	-312.93	-311.92	257.60	23.98
1	47	19	-23.60	-24.92	-23.70	-24.82	-0.34	338.66	-231.56	-231.37	338.47	10.43
1	47	20	-17.26	-22.88	-21.62	-18.52	-2.34	565.89	432.12	463.54	534.47	56.71
1	47	21	-18.17	-20.99	-19.46	-19.70	-1.41	694.59	660.30	680.54	674.35	16.86
1	47	22	-18.90	-19.76	-19.53	-19.12	0.38	671.57	609.65	635.60	645.62	-30.55
1	47	23	-15.86	-22.40	-22.00	-16.26	1.57	502.32	348.27	382.94	467.64	-64.34
1	47	24	-18.08	-23.71	-23.70	-18.09	-0.22	265.76	-308.57	-308.22	265.41	-14.15
1	47	25	-15.46	-20.69	-20.47	-15.68	-1.06	153.10	-172.71	-166.27	146.66	45.35
1	47	26	-11.91	-23.43	-17.32	-18.03	-5.75	513.01	189.68	355.34	347.35	161.61
1	47	27	-16.06	-23.51	-17.69	-21.88	-3.08	545.39	418.34	523.42	440.31	48.04
1	47	28	-17.80	-21.52	-17.81	-21.52	0.13	539.60	369.01	487.15	421.47	-78.72
1	47	29	-13.59	-20.90	-17.91	-16.59	3.59	474.80	117.50	289.47	302.83	-178.53
1	47	30	-11.58	-20.83	-20.81	-11.61	-0.49	103.58	-239.48	-230.78	94.89	-53.92
1	47	31	15.01	-17.43	-0.73	-1.68	16.21	-70.55	-114.80	-88.86	-96.49	21.80
1	47	32	-13.74	-21.15	-14.05	-20.84	-1.49	153.86	-184.23	148.63	-179.00	41.71
1	47	33	-21.48	-24.68	-22.39	-23.77	-1.45	323.22	-254.32	323.22	-254.32	0.11
1	47	34	-20.67	-25.53	-22.65	-23.56	-2.39	294.95	-267.41	293.07	-265.54	-32.43
1	47	35	-14.39	-20.35	-14.72	-20.02	-1.37	103.49	-218.70	91.82	-207.03	-60.21
1	47	36	17.81	-18.69	-1.35	0.47	-18.23	-104.84	-171.98	-145.50	-131.32	-32.81
1	70	1	15.90	-17.68	-1.84	5.25e-02	-16.77	-79.46	-133.40	-114.79	-98.07	-25.64
1	70	2	-15.93	-20.01	-15.93	-20.01	0.12	138.73	-182.13	130.48	-173.87	-50.80
1	70	3	-23.14	-25.44	-24.95	-23.63	-0.94	332.05	-235.05	331.35	-234.35	-19.85
1	70	4	-23.64	-24.93	-24.86	-23.71	-0.29	342.74	-231.62	342.57	-231.46	9.78
1	70	5	-15.51	-20.70	-15.71	-20.50	-1.00	157.98	-173.26	151.64	-166.92	45.39
1	70	6	15.13	-17.23	-1.54	-0.56	16.17	-69.07	-117.57	-97.37	-89.27	23.91

1	70	7	-12.62	-21.16	-21.02	-12.76	1.11	141.97	-205.24	-199.58	136.31	-43.97
1	70	8	-12.36	-22.71	-18.22	-16.85	5.13	503.94	171.60	328.98	346.57	-165.94
1	70	9	-18.00	-22.08	-18.56	-21.51	1.41	567.84	422.27	526.28	463.84	-65.75
1	70	10	-17.30	-22.86	-18.52	-21.63	-2.31	570.20	441.02	540.14	471.07	54.58
1	70	11	-11.89	-23.44	-18.03	-17.31	-5.76	519.80	198.90	355.23	363.46	160.40
1	70	12	-13.74	-21.24	-20.94	-14.04	-1.47	159.06	-185.21	-180.05	153.91	41.80
1	70	13	-19.81	-24.30	-23.77	-20.33	1.44	302.60	-277.75	-277.75	302.60	-0.59
1	70	14	-15.63	-23.38	-22.00	-17.00	2.96	526.10	394.66	415.75	505.01	-48.24
1	70	15	-18.37	-20.69	-19.70	-19.36	1.14	689.27	647.08	661.69	674.66	-20.07
1	70	16	-18.18	-20.96	-19.68	-19.46	-1.39	697.87	666.10	678.89	685.08	15.58
1	70	17	-16.05	-23.53	-21.89	-17.69	-3.09	549.79	427.05	447.72	529.11	45.94
1	70	18	-21.46	-24.72	-23.78	-22.40	-1.48	327.33	-254.57	-254.57	327.33	-0.42
1	70	19	-19.08	-25.11	-23.56	-20.63	2.64	270.95	-290.39	-288.26	268.82	34.56
1	70	20	-17.13	-21.64	-21.63	-17.14	0.18	519.81	338.61	394.42	463.99	83.66
1	70	21	-19.13	-19.30	-19.13	-19.30	-3.25e-03	663.45	590.55	630.12	623.88	36.32
1	70	22	-18.89	-19.78	-19.14	-19.53	0.40	672.07	609.59	647.30	634.36	-30.56
1	70	23	-17.81	-21.52	-21.52	-17.81	0.12	543.36	371.17	426.30	488.23	-80.34
1	70	24	-20.64	-25.57	-23.55	-22.66	-2.42	295.74	-267.17	-265.22	293.80	-33.04
1	70	25	-13.05	-20.65	-20.16	-13.54	1.86	85.30	-238.31	-225.38	72.37	63.38
1	70	26	-14.21	-20.07	-16.77	-17.51	-2.91	459.75	89.43	278.90	270.28	185.11
1	70	27	-16.22	-21.97	-16.30	-21.89	-0.67	497.61	326.43	453.09	370.95	75.10
1	70	28	-15.84	-22.42	-16.26	-22.00	1.60	499.43	345.84	466.90	378.36	-62.75
1	70	29	-13.58	-20.91	-16.57	-17.92	3.60	475.04	117.52	304.88	287.67	-178.55
1	70	30	-14.38	-20.29	-19.95	-14.72	-1.38	102.67	-218.14	-206.27	90.80	-60.56
1	70	31	18.57	-19.28	0.16	-0.87	18.92	-116.26	-187.54	-147.50	-156.30	35.37
1	70	32	-11.62	-20.92	-11.81	-20.73	1.31	86.13	-250.13	75.08	-239.08	59.94
1	70	33	-17.84	-23.94	-18.14	-23.64	1.33	254.79	-312.62	253.72	-311.56	24.60
1	70	34	-18.07	-23.70	-18.08	-23.70	-0.17	265.31	-308.71	264.99	-308.39	-13.55
1	70	35	-11.59	-20.84	-11.61	-20.82	-0.47	104.74	-239.92	96.19	-231.37	-53.60
1	70	36	17.81	-18.67	0.49	-1.35	-18.21	-104.52	-172.08	-130.29	-146.31	-32.82
1	76	1	16.89	-18.11	-0.60	-0.61	-17.50	-95.59	-159.32	-127.80	-127.11	-31.86
1	76	2	-13.80	-20.61	-13.82	-20.60	-0.27	133.93	-216.11	124.58	-206.76	-56.45
1	76	3	-21.54	-23.89	-21.69	-23.74	-0.58	322.92	-276.15	322.36	-275.58	-18.46
1	76	4	-21.55	-23.90	-21.70	-23.75	0.57	324.53	-276.32	324.00	-275.79	17.85
1	76	5	-13.82	-20.63	-13.83	-20.62	0.28	136.73	-216.63	127.54	-207.43	56.25
1	76	6	16.94	-18.00	-0.53	-0.53	17.47	-94.97	-160.57	-127.78	-127.76	32.80
1	76	7	-13.83	-20.62	-20.61	-13.84	-0.27	134.78	-216.44	-207.25	125.59	-56.07
1	76	8	-13.13	-21.82	-17.48	-17.47	4.35	525.43	157.44	340.54	342.33	-183.99
1	76	9	-17.04	-22.33	-17.51	-21.86	1.50	572.51	414.12	531.23	455.41	-69.53
1	76	10	-17.04	-22.33	-17.51	-21.87	-1.50	573.02	417.15	533.46	456.71	67.84
1	76	11	-13.11	-21.83	-17.47	-17.47	-4.36	528.78	161.83	345.29	345.32	183.47
1	76	12	-13.82	-20.63	-20.62	-13.83	0.28	136.75	-216.64	-207.45	127.56	56.24
1	76	13	-21.54	-23.89	-23.74	-21.69	-0.57	322.26	-276.30	-275.77	321.73	-17.79
1	76	14	-17.04	-22.33	-21.86	-17.51	1.49	569.21	411.81	450.76	530.26	-67.92
1	76	15	-18.78	-20.25	-19.51	-19.51	0.73	725.34	671.01	697.45	698.89	-27.16
1	76	16	-18.77	-20.25	-19.51	-19.51	-0.74	726.96	673.61	700.27	700.30	26.68
1	76	17	-17.04	-22.33	-21.87	-17.51	-1.50	572.95	417.10	456.62	533.44	67.80
1	76	18	-21.55	-23.90	-23.75	-21.70	0.57	324.51	-276.32	-275.79	323.98	17.84
1	76	19	-21.53	-23.88	-23.74	-21.68	0.57	320.59	-276.13	-275.56	320.02	18.48
1	76	20	-17.04	-22.33	-21.86	-17.51	-1.50	568.92	408.42	449.39	527.95	69.98
1	76	21	-18.77	-20.25	-19.51	-19.51	-0.74	723.95	668.01	695.99	695.96	27.97
1	76	22	-18.78	-20.25	-19.51	-19.51	0.73	725.28	670.90	698.81	697.37	-27.18
1	76	23	-17.04	-22.33	-21.86	-17.51	1.50	572.43	413.95	455.27	531.11	-69.58
1	76	24	-21.54	-23.89	-23.74	-21.69	-0.58	322.84	-276.15	-275.58	322.27	-18.47
1	76	25	-13.82	-20.59	-20.58	-13.83	0.25	131.84	-215.92	-206.55	122.47	56.32
1	76	26	-13.15	-21.82	-17.48	-17.48	-4.34	522.20	152.63	337.43	337.40	184.79
1	76	27	-17.04	-22.33	-17.51	-21.86	-1.50	568.86	408.37	527.93	449.30	69.95
1	76	28	-17.04	-22.33	-17.51	-21.86	1.49	569.13	411.64	530.16	450.61	-67.96
1	76	29	-13.13	-21.82	-17.47	-17.48	4.34	525.31	157.26	342.18	340.39	-184.02
1	76	30	-13.80	-20.61	-20.59	-13.81	-0.26	133.83	-216.10	-206.74	124.48	-56.45
1	76	31	16.83	-18.22	-0.69	-0.69	17.53	-96.27	-158.01	-127.14	-127.15	30.87
1	76	32	-13.82	-20.59	-13.83	-20.58	0.25	131.86	-215.92	122.49	-206.55	56.31
1	76	33	-21.53	-23.89	-21.68	-23.74	0.57	320.58	-276.13	320.01	-275.56	18.47
1	76	34	-21.54	-23.89	-21.69	-23.74	-0.57	322.18	-276.30	321.65	-275.77	-17.81
1	76	35	-13.83	-20.62	-13.84	-20.61	-0.27	134.68	-216.43	125.49	-207.23	-56.07
1	76	36	16.89	-18.11	-0.62	-0.60	-17.50	-95.61	-159.27	-127.10	-127.79	-31.83

M_G	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
		-31.17	-30.94	-30.94	-22.73		-363.46	-362.73	-362.72	-250.81
	22.08		1.28	1.24	22.77	990.42		954.09	954.13	251.84

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

M_G	Cmb	Nodo	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
6	3	77	6.43	0.84	3.64	3.63	-2.79	19.24	-0.59	9.29	9.37	9.92
6	3	78	-11.24	-44.05	-17.83	-37.46	13.14	42.58	-17.20	-3.11	28.49	25.37
6	3	79	-25.67	-54.39	-26.46	-53.60	4.69	25.26	-12.83	-9.72	22.15	10.43
6	3	80	-25.67	-54.38	-26.45	-53.61	-4.65	25.12	-12.77	-9.73	22.07	-10.30
6	3	81	-11.23	-44.03	-17.80	-37.45	-13.13	42.33	-17.16	-3.16	28.32	-25.24
6	3	82	6.45	0.94	3.69	3.69	2.76	19.08	-0.64	9.22	9.22	-9.86
6	3	83	-11.32	-44.04	-37.46	-17.90	13.11	42.17	-17.30	28.10	-3.23	25.27
6	3	84	-12.78	-45.61	-29.19	-29.21	16.42	6.85	-80.98	-37.09	-37.05	43.91
6	3	85	-23.79	-44.38	-25.72	-42.45	6.00	-39.02	-70.25	-51.87	-57.40	15.37
6	3	86	-23.79	-44.36	-25.71	-42.44	-5.98	-38.94	-70.31	-51.87	-57.39	-15.44
6	3	87	-12.75	-45.58	-29.17	-29.17	-16.41	6.94	-80.97	-37.02	-37.02	-43.96
6	3	88	-11.23	-44.03	-37.45	-17.80	-13.13	42.33	-17.16	28.33	-3.16	-25.24
6	3	89	-25.78	-54.40	-53.62	-26.56	4.64	24.76	-12.95	21.69	-9.88	10.31
6	3	90	-23.84	-44.38	-42.46	-25.76	5.98	-39.06	-70.42	-57.52	-51.96	15.43
6	3	91	-31.15	-36.15	-33.65	-33.66	2.50	-75.89	-86.18	-81.03	-81.04	5.14
6	3	92	-31.14	-36.14	-33.64	-33.64	-2.50	-75.83	-86.17	-81.00	-81.00	-5.17
6	3	93	-23.79	-44.36	-42.44	-25.71	-5.98	-38.94	-70.31	-57.39	-51.86	-15.44
6	3	94	-25.67	-54.38	-53.60	-26.45	-4.65	25.12	-12.77	22.08	-9.73	-10.30
6	3	95	-25.78	-54.41	-53.62	-26.57	-4.69	24.91	-13.00	21.77	-9.87	-10.45
6	3	96	-23.83	-44.41	-42.47	-25.77	-6.01	-39.13	-70.35	-57.52	-51.97	-15.36
6	3	97	-31.15	-36.18	-33.66	-33.66	-2.51	-75.94	-86.18	-81.06	-81.06	-5.12
6	3	98	-31.15	-36.15	-33.66	-33.65	2.50	-75.89	-86.18	-81.04	-81.03	5.14
6	3	99	-23.79	-44.38	-42.45	-25.72	6.00	-39.02	-70.25	-57.39	-51.87	15.37
6	3	100	-25.67	-54.39	-53.60	-26.45	4.69	25.26	-12.83	22.16	-9.72	10.43
6	3	101	-11.32	-44.06	-37.47	-17.92	-13.13	42.44	-17.32	28.29	-3.17	-25.40
6	3	102	-12.80	-45.65	-29.23	-29.23	-16.43	6.77	-80.99	-37.11	-37.11	-43.88
6	3	103	-23.83	-44.41	-25.77	-42.47	-6.01	-39.13	-70.35	-51.97	-57.52	-15.36
6	3	104	-23.84	-44.38	-25.76	-42.46	5.98	-39.06	-70.42	-51.96	-57.52	15.43
6	3	105	-12.78	-45.61	-29.21	-29.19	16.42	6.85	-80.98	-37.05	-37.09	43.91
6	3	106	-11.24	-44.05	-37.46	-17.83	13.14	42.58	-17.20	28.50	-3.11	25.37
6	3	107	6.41	0.75	3.58	3.58	2.83	19.42	-0.52	9.45	9.45	-9.97
6	3	108	-11.32	-44.06	-17.92	-37.47	-13.13	42.44	-17.33	-3.17	28.29	-25.41
6	3	109	-25.78	-54.41	-26.57	-53.62	-4.69	24.90	-13.01	-9.87	21.76	-10.45
6	3	110	-25.79	-54.40	-26.56	-53.62	4.64	24.75	-12.95	-9.88	21.68	10.31
6	3	111	-11.32	-44.04	-17.90	-37.46	13.11	42.17	-17.30	-3.23	28.10	25.27
6	3	112	6.43	0.84	3.63	3.64	-2.79	19.24	-0.59	9.37	9.29	9.92
6	4	77	6.39	3.29	4.85	4.84	-1.55	16.87	-3.00	6.88	6.99	9.93
6	4	78	-9.36	-43.92	-16.46	-36.82	13.97	41.46	-18.95	-4.09	26.61	26.02
6	4	79	-23.76	-53.85	-24.61	-53.00	4.98	24.55	-12.27	-8.84	21.12	10.70
6	4	80	-23.77	-53.83	-24.60	-53.01	-4.91	24.38	-12.22	-8.86	21.02	-10.57
6	4	81	-9.37	-43.88	-16.43	-36.82	-13.92	41.16	-18.94	-4.17	26.39	-25.87
6	4	82	6.42	3.36	4.89	4.89	1.53	16.67	-3.08	6.79	6.79	-9.87
6	4	83	-9.43	-43.91	-36.82	-16.52	13.94	41.05	-19.05	26.22	-4.22	25.91
6	4	84	-11.20	-44.92	-28.05	-28.07	16.86	7.15	-83.13	-38.01	-37.98	45.14
6	4	85	-22.42	-43.44	-24.40	-41.46	6.14	-39.01	-71.48	-51.86	-58.63	15.88
6	4	86	-22.44	-43.40	-24.39	-41.45	-6.09	-38.97	-71.53	-51.86	-58.64	-15.93
6	4	87	-11.20	-44.86	-28.03	-28.03	-16.83	7.19	-83.12	-37.96	-37.96	-45.15
6	4	88	-9.37	-43.88	-36.82	-16.43	-13.92	41.16	-18.94	26.39	-4.17	-25.87
6	4	89	-23.86	-53.86	-53.02	-24.70	4.94	24.06	-12.40	20.67	-9.00	10.59
6	4	90	-22.47	-43.44	-41.47	-24.44	6.12	-39.05	-71.64	-58.75	-51.95	15.94
6	4	91	-29.94	-35.05	-32.49	-32.50	2.56	-76.35	-87.00	-81.67	-81.68	5.32
6	4	92	-29.97	-35.01	-32.49	-32.49	-2.52	-76.32	-86.98	-81.65	-81.65	-5.33
6	4	93	-22.44	-43.40	-41.45	-24.39	-6.09	-38.96	-71.53	-58.63	-51.86	-15.93
6	4	94	-23.77	-53.83	-53.01	-24.60	-4.91	24.38	-12.22	21.03	-8.86	-10.56
6	4	95	-23.87	-53.86	-53.02	-24.71	-4.95	24.20	-12.45	20.74	-9.00	-10.71
6	4	96	-22.48	-43.44	-41.47	-24.45	-6.11	-39.15	-71.56	-58.75	-51.96	-15.84
6	4	97	-29.98	-35.04	-32.51	-32.51	-2.53	-76.42	-86.99	-81.70	-81.70	-5.28
6	4	98	-29.94	-35.05	-32.50	-32.49	2.56	-76.35	-87.00	-81.68	-81.67	5.32
6	4	99	-22.42	-43.44	-41.46	-24.40	6.14	-39.02	-71.48	-58.63	-51.86	15.87
6	4	100	-23.76	-53.85	-53.00	-24.61	4.98	24.56	-12.27	21.12	-8.84	10.71
6	4	101	-9.46	-43.92	-36.84	-16.54	-13.93	41.28	-19.09	26.37	-4.18	-26.03
6	4	102	-11.25	-44.93	-28.09	-28.09	-16.84	7.02	-83.12	-38.05	-38.05	-45.07
6	4	103	-22.48	-43.44	-24.45	-41.48	-6.11	-39.15	-71.57	-51.96	-58.76	-15.85
6	4	104	-22.47	-43.44	-24.44	-41.47	6.12	-39.06	-71.65	-51.95	-58.75	15.94
6	4	105	-11.20	-44.92	-28.07	-28.05	16.86	7.14	-83.13	-37.98	-38.01	45.14
6	4	106	-9.36	-43.92	-36.82	-16.46	13.97	41.47	-18.95	26.61	-4.09	26.02
6	4	107	6.38	3.18	4.78	4.78	1.60	17.02	-2.95	7.03	7.03	-9.99
6	4	108	-9.46	-43.92	-16.55	-36.84	-13.93	41.27	-19.09	-4.18	26.36	-26.03
6	4	109	-23.87	-53.86	-24.71	-53.02	-4.95	24.18	-12.45	-9.00	20.72	-10.71
6	4	110	-23.87	-53.86	-24.70	-53.02	4.94	24.05	-12.40	-9.01	20.65	10.59
6	4	111	-9.43	-43.91	-16.52	-36.82	13.94	41.05	-19.06	-4.22	26.21	25.92
6	4	112	6.39	3.29	4.83	4.85	-1.55	16.88	-3.00	6.99	6.89	9.94
6	10	77	4.42	1.47	3.08	2.81	-1.47	13.18	-5.88	-2.09	9.39	7.60
6	10	78	-7.62	-34.33	-13.14	-28.81	10.82	31.55	-15.46	-6.60	22.69	18.38
6	10	79	-18.36	-41.77	-19.20	-40.92	4.36	17.51	-7.97	-6.17	15.72	6.53
6	10	80	-18.52	-41.13	-18.93	-40.72	-3.03	16.75	-9.26	-5.72	13.21	-8.92
6	10	81	-7.46	-32.94	-12.33	-28.07	-10.02	30.38	-11.95	0.69	17.75	-19.37

6	10	82	6.12	2.56	4.27	4.41	1.78	15.66	0.61	11.28	4.99	-6.84
6	10	83	-8.42	-33.93	-28.55	-13.80	10.41	22.18	-18.91	7.47	-4.19	19.70
6	10	84	-9.08	-35.03	-21.86	-22.25	12.97	1.56	-61.90	-33.23	-27.11	31.58
6	10	85	-17.28	-33.99	-19.00	-32.27	5.09	-29.66	-48.13	-37.32	-40.47	9.10
6	10	86	-17.68	-33.23	-18.88	-32.03	-4.15	-23.84	-51.71	-35.19	-40.36	-13.69
6	10	87	-9.07	-33.95	-21.61	-21.41	-12.44	10.13	-57.30	-21.92	-25.25	-33.67
6	10	88	-7.04	-33.17	-28.20	-12.00	-10.25	35.46	-10.32	25.88	-0.74	-18.62
6	10	89	-19.96	-41.77	-41.22	-20.50	3.41	2.71	-17.66	-1.77	-13.18	8.44
6	10	90	-18.19	-33.49	-32.06	-19.63	4.46	-34.19	-59.16	-51.26	-42.10	11.61
6	10	91	-23.47	-27.29	-25.34	-25.42	1.91	-57.05	-62.97	-60.36	-59.66	2.94
6	10	92	-23.26	-26.95	-25.13	-25.09	-1.84	-50.84	-61.16	-55.81	-56.19	-5.16
6	10	93	-17.21	-33.50	-32.14	-18.56	-4.49	-21.22	-46.01	-34.58	-32.64	-12.36
6	10	94	-17.72	-41.11	-40.56	-18.27	-3.55	24.79	-4.31	22.48	-2.00	-7.87
6	10	95	-19.72	-42.10	-41.25	-20.58	-4.28	3.10	-17.15	-0.84	-13.21	-8.02
6	10	96	-17.77	-34.02	-32.13	-19.66	-5.21	-35.79	-58.10	-51.21	-42.68	-10.30
6	10	97	-23.04	-27.87	-25.44	-25.48	-2.42	-58.84	-63.59	-61.41	-61.02	-2.37
6	10	98	-23.59	-26.80	-25.24	-25.16	1.61	-52.79	-61.66	-56.87	-57.58	4.42
6	10	99	-17.24	-33.58	-32.22	-18.61	4.52	-23.10	-44.93	-34.69	-33.34	10.89
6	10	100	-17.77	-41.24	-40.64	-18.37	3.69	24.96	-4.04	23.13	-2.21	7.05
6	10	101	-7.91	-34.82	-28.71	-14.03	-11.27	22.52	-19.52	9.33	-6.33	-19.51
6	10	102	-8.53	-35.83	-22.07	-22.29	-13.65	-0.97	-63.15	-33.62	-30.49	-31.05
6	10	103	-17.32	-34.26	-19.34	-32.25	-5.49	-33.46	-52.23	-40.17	-45.52	-9.00
6	10	104	-18.11	-33.14	-19.24	-32.01	3.95	-27.86	-55.62	-38.08	-45.40	13.39
6	10	105	-9.39	-34.04	-21.93	-21.51	12.32	7.45	-58.73	-22.68	-28.60	32.95
6	10	106	-7.41	-33.34	-28.47	-12.28	10.12	35.86	-11.49	27.11	-2.75	18.38
6	10	107	3.22	1.80	2.58	2.44	0.71	10.85	-6.02	-0.40	5.23	-7.95
6	10	108	-7.59	-34.99	-13.71	-28.87	-11.42	27.18	-17.57	-7.41	17.02	-18.75
6	10	109	-18.93	-42.11	-19.92	-41.11	-4.70	10.58	-11.88	-9.55	8.25	-6.85
6	10	110	-19.29	-41.30	-19.66	-40.93	2.83	10.08	-13.44	-9.16	5.80	9.08
6	10	111	-8.14	-32.98	-12.93	-28.19	9.80	26.57	-14.92	-0.69	12.33	19.70
6	10	112	5.96	1.80	3.75	4.02	-2.08	15.71	-2.05	12.24	1.42	7.05
6	18	77	4.01	1.89	3.09	2.82	-1.05	13.03	-5.63	-1.64	9.03	7.66
6	18	78	-7.37	-34.56	-13.14	-28.79	11.12	31.47	-15.26	-6.29	22.50	18.40
6	18	79	-18.29	-41.83	-19.20	-40.92	4.56	17.48	-7.98	-6.16	15.66	6.56
6	18	80	-18.57	-41.09	-18.93	-40.72	-2.84	16.78	-9.24	-5.73	13.27	-8.89
6	18	81	-7.70	-32.72	-12.34	-28.08	-9.72	30.41	-12.09	0.38	17.94	-19.35
6	18	82	6.53	2.14	4.26	4.40	2.19	15.41	0.78	10.83	5.35	-6.78
6	18	83	-8.05	-34.23	-28.50	-13.78	10.83	22.39	-18.88	7.83	-4.32	19.72
6	18	84	-8.73	-35.32	-21.81	-22.24	13.29	1.68	-61.88	-33.04	-27.16	31.64
6	18	85	-17.13	-34.13	-18.99	-32.26	5.31	-29.59	-48.21	-37.31	-40.49	9.18
6	18	86	-17.80	-33.11	-18.89	-32.03	-3.93	-23.91	-51.62	-35.20	-40.34	-13.62
6	18	87	-9.42	-33.66	-21.66	-21.42	-12.12	9.99	-57.29	-22.11	-25.19	-33.61
6	18	88	-7.39	-32.88	-28.25	-12.02	-9.83	35.19	-10.27	25.53	-0.62	-18.60
6	18	89	-19.84	-41.85	-41.20	-20.49	3.73	2.99	-17.71	-1.62	-13.10	8.62
6	18	90	-18.01	-33.68	-32.06	-19.63	4.77	-34.09	-59.13	-51.18	-42.04	11.66
6	18	91	-23.16	-27.58	-25.33	-25.41	2.21	-56.99	-63.02	-60.36	-59.65	2.99
6	18	92	-23.56	-26.66	-25.13	-25.09	-1.55	-50.90	-61.11	-55.82	-56.20	-5.10
6	18	93	-17.38	-33.33	-32.14	-18.56	-4.19	-21.33	-46.03	-34.66	-32.70	-12.31
6	18	94	-17.82	-41.04	-40.58	-18.28	-3.23	24.56	-4.30	22.33	-2.08	-7.69
6	18	95	-19.85	-42.01	-41.28	-20.59	-3.96	2.82	-17.10	-0.99	-13.29	-7.83
6	18	96	-17.97	-33.83	-32.13	-19.67	-4.90	-35.90	-58.13	-51.29	-42.73	-10.26
6	18	97	-23.34	-27.58	-25.44	-25.48	-2.12	-58.90	-63.55	-61.41	-61.03	-2.32
6	18	98	-23.29	-27.10	-25.23	-25.15	1.91	-52.73	-61.70	-56.87	-57.57	4.47
6	18	99	-17.07	-33.76	-32.22	-18.60	4.82	-22.99	-44.91	-34.62	-33.28	10.94
6	18	100	-17.66	-41.32	-40.62	-18.35	4.00	25.19	-4.04	23.27	-2.13	7.23
6	18	101	-8.29	-34.52	-28.76	-14.05	-10.86	22.29	-19.51	8.98	-6.20	-19.48
6	18	102	-8.88	-35.55	-22.12	-22.31	-13.33	-1.10	-63.16	-33.82	-30.44	-30.98
6	18	103	-17.47	-34.12	-19.35	-32.25	-5.26	-33.53	-52.14	-40.17	-45.50	-8.92
6	18	104	-17.98	-33.26	-19.23	-32.01	4.18	-27.79	-55.71	-38.08	-45.42	13.46
6	18	105	-9.04	-34.33	-21.88	-21.50	12.64	7.59	-58.74	-22.49	-28.66	33.02
6	18	106	-7.06	-33.62	-28.42	-12.26	10.54	36.15	-11.56	27.47	-2.88	18.41
6	18	107	3.63	1.38	2.57	2.43	1.12	10.91	-6.16	-0.85	5.60	-7.90
6	18	108	-7.84	-34.76	-13.72	-28.88	-11.12	27.24	-17.75	-7.72	17.21	-18.73
6	18	109	-19.00	-42.03	-19.93	-41.11	-4.51	10.61	-11.87	-9.56	8.30	-6.82
6	18	110	-19.24	-41.35	-19.66	-40.93	3.02	10.06	-13.46	-9.14	5.74	9.11
6	18	111	-7.89	-33.21	-12.92	-28.18	10.10	26.57	-14.81	-0.38	12.14	19.72
6	18	112	5.56	2.22	3.75	4.03	-1.66	16.05	-2.31	12.69	1.05	7.10
6	42	77	4.64	1.68	3.24	3.08	-1.48	12.53	-3.83	1.11	7.58	7.51
6	42	78	-7.62	-34.12	-13.08	-28.66	10.71	30.29	-15.05	-5.24	20.48	18.67
6	42	79	-18.52	-41.68	-19.28	-40.91	4.14	15.87	-9.03	-6.81	13.65	7.09
6	42	80	-18.64	-41.28	-19.13	-40.80	-3.28	15.45	-9.76	-6.52	12.20	-8.44
6	42	81	-7.59	-33.28	-12.62	-28.25	-10.20	29.62	-13.11	-1.13	17.64	-19.19
6	42	82	5.62	2.27	3.91	3.99	1.67	14.09	-0.38	8.61	5.09	-7.02
6	42	83	-8.12	-33.88	-28.53	-13.47	10.45	24.85	-17.05	11.72	-3.91	19.44
6	42	84	-9.04	-34.90	-21.86	-22.08	12.93	2.77	-61.14	-30.95	-27.43	31.90
6	42	85	-17.40	-33.86	-19.05	-32.21	4.94	-29.27	-49.73	-37.49	-41.50	10.03
6	42	86	-17.67	-33.38	-18.97	-32.07	-4.34	-25.89	-51.76	-36.22	-41.43	-12.67
6	42	87	-9.07	-34.24	-21.71	-21.60	-12.58	7.71	-58.48	-24.43	-26.34	-33.08
6	42	88	-7.34	-33.41	-28.32	-12.44	-10.34	32.46	-12.14	22.25	-1.93	-18.74

6	42	89	-19.48	-41.69	-41.12	-20.05	3.53	7.24	-14.50	3.53	-10.79	8.18
6	42	90	-17.94	-33.55	-32.09	-19.40	4.54	-31.87	-56.06	-47.73	-40.20	11.50
6	42	91	-23.41	-27.27	-25.32	-25.36	1.93	-56.13	-62.70	-59.64	-59.20	3.28
6	42	92	-23.31	-27.05	-25.19	-25.17	-1.87	-52.54	-61.62	-56.96	-57.20	-4.54
6	42	93	-17.40	-33.54	-32.14	-18.80	-4.55	-24.43	-48.47	-38.11	-34.79	-11.90
6	42	94	-18.18	-41.27	-40.69	-18.76	-3.60	19.99	-6.94	17.49	-4.43	-7.82
6	42	95	-19.33	-41.90	-41.13	-20.09	-4.08	7.54	-14.28	4.08	-10.82	-7.97
6	42	96	-17.69	-33.87	-32.14	-19.43	-5.01	-32.84	-55.44	-47.72	-40.55	-10.72
6	42	97	-23.15	-27.63	-25.38	-25.40	-2.24	-57.18	-63.07	-60.25	-60.01	-2.94
6	42	98	-23.50	-26.97	-25.25	-25.22	1.74	-53.67	-61.92	-57.58	-58.02	4.12
6	42	99	-17.41	-33.60	-32.18	-18.83	4.58	-25.54	-47.84	-38.17	-35.20	11.05
6	42	100	-18.20	-41.35	-40.74	-18.81	3.71	20.11	-6.77	17.89	-4.55	7.40
6	42	101	-7.80	-34.42	-28.62	-13.60	-10.99	25.18	-17.49	12.81	-5.12	-19.36
6	42	102	-8.70	-35.41	-21.99	-22.11	-13.36	1.31	-61.89	-31.19	-29.39	-31.59
6	42	103	-17.43	-34.02	-19.25	-32.20	-5.19	-31.48	-52.11	-39.14	-44.45	-9.97
6	42	104	-17.93	-33.33	-19.19	-32.07	4.22	-28.21	-54.04	-37.89	-44.37	12.50
6	42	105	-9.27	-34.30	-21.90	-21.67	12.52	6.14	-59.30	-24.87	-28.29	32.67
6	42	106	-7.56	-33.52	-28.48	-12.60	10.27	32.74	-12.76	23.02	-3.05	18.65
6	42	107	3.91	1.89	2.93	2.86	1.01	11.57	-4.22	2.08	5.27	-7.74
6	42	108	-7.60	-34.52	-13.43	-28.70	-11.08	27.84	-16.38	-5.73	17.19	-18.91
6	42	109	-18.88	-41.89	-19.73	-41.04	-4.35	11.85	-11.34	-8.76	9.27	-7.29
6	42	110	-19.12	-41.39	-19.58	-40.94	3.16	11.49	-12.16	-8.51	7.84	8.54
6	42	111	-8.00	-33.31	-12.98	-28.33	10.06	27.35	-14.79	-1.91	14.48	19.41
6	42	112	5.55	1.81	3.60	3.75	-1.87	13.96	-1.64	9.22	3.09	7.17
6	50	77	4.38	1.94	3.24	3.09	-1.22	12.49	-3.76	1.34	7.40	7.54
6	50	78	-7.47	-34.27	-13.08	-28.66	10.90	30.27	-14.95	-5.07	20.40	18.68
6	50	79	-18.48	-41.72	-19.28	-40.91	4.26	15.87	-9.03	-6.79	13.63	7.12
6	50	80	-18.68	-41.25	-19.13	-40.80	-3.16	15.45	-9.75	-6.53	12.22	-8.42
6	50	81	-7.74	-33.14	-12.62	-28.26	-10.01	29.62	-13.18	-1.29	17.72	-19.17
6	50	82	5.88	2.01	3.91	3.98	1.93	13.99	-0.33	8.39	5.28	-6.99
6	50	83	-7.89	-34.06	-28.50	-13.46	10.71	24.96	-17.05	11.90	-3.98	19.44
6	50	84	-8.82	-35.09	-21.83	-22.08	13.13	2.84	-61.13	-30.84	-27.45	31.94
6	50	85	-17.31	-33.94	-19.04	-32.21	5.08	-29.22	-49.77	-37.48	-41.51	10.08
6	50	86	-17.75	-33.30	-18.98	-32.08	-4.19	-25.93	-51.71	-36.22	-41.42	-12.63
6	50	87	-9.29	-34.06	-21.74	-21.61	-12.38	7.63	-58.48	-24.54	-26.31	-33.05
6	50	88	-7.57	-33.23	-28.35	-12.45	-10.07	32.33	-12.12	22.07	-1.86	-18.73
6	50	89	-19.40	-41.74	-41.10	-20.05	3.73	7.39	-14.53	3.61	-10.75	8.28
6	50	90	-17.83	-33.66	-32.09	-19.40	4.73	-31.81	-56.05	-47.69	-40.17	11.52
6	50	91	-23.22	-27.45	-25.32	-25.36	2.11	-56.10	-62.73	-59.63	-59.19	3.31
6	50	92	-23.49	-26.87	-25.19	-25.17	-1.69	-52.57	-61.59	-56.96	-57.20	-4.51
6	50	93	-17.50	-33.44	-32.14	-18.80	-4.36	-24.49	-48.48	-38.15	-34.82	-11.88
6	50	94	-18.25	-41.22	-40.71	-18.76	-3.41	19.86	-6.93	17.41	-4.47	-7.73
6	50	95	-19.41	-41.84	-41.15	-20.10	-3.89	7.40	-14.25	4.00	-10.86	-7.87
6	50	96	-17.81	-33.76	-32.14	-19.43	-4.82	-32.89	-55.45	-47.76	-40.58	-10.69
6	50	97	-23.34	-27.44	-25.38	-25.40	-2.05	-57.22	-63.05	-60.25	-60.01	-2.91
6	50	98	-23.31	-27.15	-25.25	-25.21	1.92	-53.64	-61.95	-57.58	-58.01	4.15
6	50	99	-17.30	-33.71	-32.18	-18.83	4.77	-25.48	-47.83	-38.13	-35.17	11.08
6	50	100	-18.13	-41.40	-40.72	-18.81	3.91	20.24	-6.78	17.97	-4.51	7.50
6	50	101	-8.03	-34.24	-28.65	-13.61	-10.73	25.07	-17.48	12.63	-5.05	-19.35
6	50	102	-8.91	-35.23	-22.02	-22.12	-13.16	1.23	-61.90	-31.29	-29.37	-31.55
6	50	103	-17.52	-33.94	-19.26	-32.20	-5.05	-31.53	-52.06	-39.15	-44.44	-9.92
6	50	104	-17.84	-33.41	-19.18	-32.07	4.36	-28.17	-54.09	-37.89	-44.37	12.55
6	50	105	-9.05	-34.48	-21.87	-21.66	12.72	6.22	-59.30	-24.77	-28.31	32.71
6	50	106	-7.33	-33.70	-28.44	-12.59	10.53	32.87	-12.79	23.20	-3.12	18.66
6	50	107	4.17	1.62	2.93	2.85	1.27	11.57	-4.26	1.86	5.45	-7.71
6	50	108	-7.76	-34.38	-13.43	-28.71	-10.90	27.85	-16.47	-5.90	17.27	-18.89
6	50	109	-18.92	-41.84	-19.73	-41.04	-4.23	11.85	-11.33	-8.77	9.29	-7.27
6	50	110	-19.09	-41.43	-19.58	-40.93	3.28	11.49	-12.17	-8.50	7.82	8.57
6	50	111	-7.85	-33.45	-12.98	-28.32	10.25	27.36	-14.72	-1.75	14.39	19.43
6	50	112	5.29	2.07	3.60	3.76	-1.61	14.09	-1.73	9.45	2.91	7.20
6	75	77	4.95	0.63	2.79	2.78	-2.16	14.40	-0.60	6.87	6.93	7.50
6	75	78	-8.66	-33.88	-13.72	-28.82	10.10	31.31	-13.46	-2.63	20.48	19.18
6	75	79	-19.76	-41.84	-20.36	-41.23	3.60	17.13	-10.24	-7.73	14.62	7.90
6	75	80	-19.76	-41.83	-20.36	-41.23	-3.58	17.01	-10.19	-7.73	14.56	-7.80
6	75	81	-8.65	-33.86	-13.70	-28.81	-10.09	31.12	-13.43	-2.66	20.35	-19.08
6	75	82	4.96	0.70	2.83	2.83	2.13	14.28	-0.65	6.82	6.82	-7.46
6	75	83	-8.72	-33.87	-28.82	-13.77	10.08	31.00	-13.54	20.18	-2.72	19.10
6	75	84	-9.84	-35.09	-22.46	-22.47	12.62	4.85	-60.87	-28.03	-28.00	32.86
6	75	85	-18.31	-34.14	-19.79	-32.66	4.61	-29.45	-52.79	-38.92	-43.31	11.46
6	75	86	-18.31	-34.13	-19.79	-32.65	-4.60	-29.39	-52.84	-38.92	-43.31	-11.52
6	75	87	-9.82	-35.06	-22.44	-22.44	-12.62	4.92	-60.87	-27.97	-27.97	-32.89
6	75	88	-8.65	-33.86	-28.81	-13.70	-10.09	31.12	-13.43	20.35	-2.66	-19.08
6	75	89	-19.85	-41.84	-41.25	-20.44	3.57	16.74	-10.33	14.26	-7.85	7.81
6	75	90	-18.35	-34.14	-32.67	-19.83	4.60	-29.48	-52.92	-43.41	-38.99	11.51
6	75	91	-23.97	-27.82	-25.89	-25.90	1.92	-56.74	-64.37	-60.55	-60.56	3.81
6	75	92	-23.96	-27.81	-25.88	-25.89	-1.92	-56.70	-64.37	-60.53	-60.53	-3.83
6	75	93	-18.31	-34.13	-32.65	-19.79	-4.60	-29.39	-52.84	-43.31	-38.92	-11.52
6	75	94	-19.76	-41.83	-41.23	-20.36	-3.58	17.02	-10.19	14.56	-7.73	-7.80
6	75	95	-19.84	-41.85	-41.25	-20.45	-3.60	16.86	-10.37	14.33	-7.84	-7.91

6	75	96	-18.34	-34.16	-32.67	-19.83	-4.62	-29.53	-52.87	-43.41	-38.99	-11.46
6	75	97	-23.97	-27.83	-25.90	-25.90	-1.93	-56.78	-64.37	-60.58	-60.58	-3.79
6	75	98	-23.97	-27.82	-25.90	-25.89	1.92	-56.74	-64.37	-60.56	-60.55	3.81
6	75	99	-18.31	-34.14	-32.66	-19.79	4.61	-29.44	-52.79	-43.31	-38.92	11.46
6	75	100	-19.76	-41.84	-41.23	-20.36	3.60	17.13	-10.24	14.62	-7.73	7.90
6	75	101	-8.73	-33.89	-28.82	-13.79	-10.09	31.21	-13.56	20.32	-2.67	-19.20
6	75	102	-9.86	-35.12	-22.49	-22.49	-12.63	4.78	-60.88	-28.05	-28.05	-32.83
6	75	103	-18.34	-34.16	-19.83	-32.67	-4.62	-29.53	-52.87	-38.99	-43.41	-11.46
6	75	104	-18.35	-34.14	-19.83	-32.67	4.60	-29.48	-52.92	-38.99	-43.41	11.51
6	75	105	-9.84	-35.09	-22.47	-22.46	12.62	4.85	-60.87	-28.00	-28.03	32.86
6	75	106	-8.66	-33.88	-28.82	-13.72	10.10	31.31	-13.46	20.48	-2.63	19.18
6	75	107	4.93	0.56	2.75	2.75	2.18	14.54	-0.55	6.99	6.99	-7.55
6	75	108	-8.73	-33.89	-13.79	-28.82	-10.09	31.20	-13.56	-2.67	20.32	-19.20
6	75	109	-19.84	-41.85	-20.45	-41.25	-3.60	16.85	-10.38	-7.84	14.32	-7.91
6	75	110	-19.85	-41.84	-20.44	-41.25	3.57	16.74	-10.33	-7.85	14.25	7.81
6	75	111	-8.72	-33.87	-13.77	-28.82	10.08	31.00	-13.54	-2.72	20.18	19.10
6	75	112	4.95	0.63	2.78	2.79	-2.16	14.40	-0.61	6.93	6.87	7.50
6	76	77	4.92	2.26	3.60	3.59	-1.33	12.82	-2.21	5.27	5.34	7.52
6	76	78	-7.40	-33.80	-12.81	-28.39	10.65	30.58	-14.63	-3.28	19.22	19.61
6	76	79	-18.48	-41.48	-19.13	-40.83	3.80	16.67	-9.88	-7.14	13.93	8.08
6	76	80	-18.49	-41.46	-19.12	-40.84	-3.75	16.54	-9.84	-7.16	13.85	-7.98
6	76	81	-7.41	-33.77	-12.79	-28.39	-10.62	30.35	-14.62	-3.34	19.06	-19.50
6	76	82	4.94	2.32	3.63	3.63	1.31	12.67	-2.27	5.20	5.20	-7.47
6	76	83	-7.46	-33.79	-28.39	-12.86	10.63	30.26	-14.71	18.92	-3.37	19.53
6	76	84	-8.79	-34.62	-21.70	-21.71	12.92	5.05	-62.30	-28.64	-28.62	33.68
6	76	85	-17.40	-33.51	-18.91	-32.00	4.70	-29.44	-53.62	-38.91	-44.14	11.80
6	76	86	-17.41	-33.49	-18.91	-31.99	-4.67	-29.40	-53.66	-38.91	-44.14	-11.84
6	76	87	-8.79	-34.58	-21.68	-21.68	-12.90	5.08	-62.30	-28.60	-28.61	-33.69
6	76	88	-7.41	-33.77	-28.39	-12.79	-10.62	30.35	-14.62	19.06	-3.34	-19.50
6	76	89	-18.57	-41.48	-40.85	-19.20	3.77	16.30	-9.98	13.58	-7.27	8.00
6	76	90	-17.43	-33.51	-32.00	-18.94	4.69	-29.47	-53.74	-44.23	-38.98	11.85
6	76	91	-23.16	-27.08	-25.12	-25.13	1.96	-57.05	-64.92	-60.98	-60.99	3.93
6	76	92	-23.18	-27.05	-25.11	-25.12	-1.94	-57.02	-64.91	-60.96	-60.96	-3.94
6	76	93	-17.41	-33.49	-31.99	-18.91	-4.67	-29.40	-53.66	-44.14	-38.91	-11.85
6	76	94	-18.49	-41.46	-40.83	-19.12	-3.75	16.54	-9.84	13.86	-7.16	-7.97
6	76	95	-18.57	-41.49	-40.85	-19.21	-3.78	16.40	-10.02	13.64	-7.26	-8.09
6	76	96	-17.44	-33.52	-32.01	-18.95	-4.69	-29.54	-53.68	-44.23	-38.99	-11.78
6	76	97	-23.19	-27.08	-25.13	-25.13	-1.95	-57.10	-64.91	-61.01	-61.01	-3.90
6	76	98	-23.16	-27.08	-25.12	-25.12	1.96	-57.05	-64.92	-60.99	-60.98	3.93
6	76	99	-17.40	-33.51	-32.00	-18.91	4.70	-29.44	-53.61	-44.14	-38.91	11.80
6	76	100	-18.48	-41.48	-40.83	-19.13	3.80	16.68	-9.88	13.93	-7.14	8.08
6	76	101	-7.48	-33.80	-28.40	-12.88	-10.62	30.44	-14.74	19.05	-3.34	-19.62
6	76	102	-8.83	-34.63	-21.73	-21.73	-12.90	4.95	-62.30	-28.67	-28.67	-33.63
6	76	103	-17.44	-33.52	-18.95	-32.01	-4.69	-29.54	-53.68	-38.99	-44.23	-11.78
6	76	104	-17.43	-33.51	-18.94	-32.00	4.69	-29.47	-53.74	-38.98	-44.23	11.85
6	76	105	-8.79	-34.62	-21.71	-21.70	12.92	5.04	-62.30	-28.62	-28.64	33.67
6	76	106	-7.41	-33.80	-28.39	-12.81	10.65	30.58	-14.63	19.22	-3.28	19.61
6	76	107	4.91	2.18	3.54	3.54	1.37	12.94	-2.18	5.38	5.38	-7.56
6	76	108	-7.48	-33.80	-12.88	-28.40	-10.62	30.44	-14.74	-3.34	19.04	-19.62
6	76	109	-18.57	-41.49	-19.21	-40.85	-3.78	16.39	-10.03	-7.26	13.62	-8.09
6	76	110	-18.57	-41.48	-19.21	-40.85	3.77	16.29	-9.98	-7.27	13.57	8.00
6	76	111	-7.46	-33.79	-12.86	-28.39	10.63	30.26	-14.72	-3.38	18.92	19.53
6	76	112	4.92	2.26	3.59	3.60	-1.33	12.82	-2.21	5.35	5.27	7.52

M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-54.41	-53.62	-53.62	-16.84		-87.00	-81.70	-81.70	-45.15
			6.53		4.89	4.89	16.86	42.58		28.50	28.49	45.14

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
7	2	253	0.69	2.58e-02	0.69	3.00e-02	-5.25e-02	168.50	72.43	128.00	112.92	47.44
7	2	254	-1.20	-4.57	-1.68	-4.09	1.18	246.27	-38.70	-11.91	219.48	83.17
7	2	255	-8.71	-10.12	-9.00	-9.84	0.57	348.31	-82.72	-80.74	346.33	29.09
7	2	256	-7.60	-10.54	-8.48	-9.66	-1.35	347.60	-85.82	-83.95	345.73	-28.45
7	2	257	-1.99	-4.73	-2.31	-4.41	-0.88	249.30	-24.78	6.03	218.50	-86.57
7	2	258	0.60	0.46	0.53	0.53	6.91e-02	146.47	82.59	114.54	114.52	-31.94
7	2	259	-1.66	-5.01	-4.94	-1.73	0.46	240.03	-49.58	235.85	-45.40	34.56
7	2	260	-2.29	-8.88	-5.38	-5.78	3.29	238.45	-323.96	21.73	-107.24	273.71
7	2	261	-1.28	-11.80	-7.40	-5.68	5.19	254.72	-395.62	-124.12	-16.79	320.71
7	2	262	-4.13	-7.91	-6.36	-5.69	1.86	169.34	-309.58	-286.95	146.71	101.63
7	2	263	-3.18	-10.29	-6.71	-6.75	-3.56	113.25	-395.70	-307.16	24.70	-192.93

7	2	264	-2.35	-11.02	-5.55	-7.81	-4.19	92.64	-377.42	-160.66	-124.12	-234.32
7	2	265	-2.47	-9.36	-5.92	-5.91	-3.45	132.17	-364.36	-116.38	-115.81	-248.26
7	2	266	-1.96	-4.73	-4.40	-2.29	-0.90	249.43	-24.63	218.56	6.24	-86.64
7	2	267	-4.62	-19.04	-13.94	-9.71	6.89	-4.96	-457.69	-126.44	-336.22	200.59
7	2	268	-1.95	-12.28	-11.59	-2.64	2.58	90.91	-161.68	-137.16	66.38	74.80
7	2	269	-3.78	-5.52	-5.20	-4.10	0.67	146.31	-295.32	-294.29	145.29	21.21
7	2	270	-2.92	-6.55	-6.22	-3.25	-1.05	128.61	-263.52	-263.40	128.49	-6.77
7	2	271	-4.69	-16.01	-10.36	-10.34	-5.66	-172.79	-778.54	-476.12	-475.21	-302.87
7	2	272	-2.32	-11.02	-7.82	-5.53	-4.20	93.35	-377.87	-124.55	-159.97	-234.95
7	2	273	-5.43	-14.10	-9.00	-10.54	4.26	309.04	-78.41	307.90	-77.27	21.00
7	2	274	-1.55	-7.01	-4.52	-4.03	2.72	43.84	-98.34	43.49	-97.99	7.08
7	2	278	-2.92	-6.52	-3.26	-6.18	-1.05	128.63	-263.09	128.51	-262.97	-6.88
7	2	279	-3.15	-10.29	-6.76	-6.68	-3.57	114.02	-395.91	24.75	-306.64	-193.79
7	2	280	-7.55	-10.56	-9.67	-8.45	-1.38	347.81	-85.68	345.90	-83.78	-28.68
7	2	281	-8.34	-10.61	-8.62	-10.32	-0.75	338.37	-64.37	337.28	-63.28	-20.89
7	2	282	-8.93e-02	-5.91	-5.49	-0.51	-1.50	122.71	-46.46	119.25	-43.00	-23.94
7	2	286	-3.78	-5.50	-4.09	-5.20	0.66	145.94	-296.03	144.92	-295.02	21.13
7	2	287	-4.08	-7.88	-5.71	-6.25	1.88	168.67	-308.05	146.62	-286.00	100.12
7	2	288	-8.76	-10.12	-9.87	-9.00	0.52	349.37	-84.77	347.43	-82.83	28.97
7	2	289	1.39	-6.04	-4.70	5.28e-02	-2.86	196.10	-22.36	167.05	6.69	-74.18
7	2	290	-0.25	-11.53	-3.40	-8.38	-5.06	73.83	-129.43	30.30	-85.90	-83.39
7	2	294	-1.88	-12.34	-2.67	-11.54	2.77	92.86	-161.18	68.68	-137.00	74.56
7	2	295	-1.24	-11.59	-5.57	-7.26	5.11	254.33	-408.34	-18.34	-135.68	326.10
7	2	296	-1.25	-4.75	-4.33	-1.66	1.14	245.76	-33.89	218.18	-6.31	83.38
7	2	297	-3.62	-14.04	-9.79	-7.86	-5.12	24.85	-292.26	-154.32	-113.09	-157.21
7	2	298	-1.02	-10.80	-8.41	-3.41	-4.20	59.18	-126.01	-87.16	20.32	-75.40
7	2	299	-0.11	-6.16	-0.55	-5.72	-1.57	119.18	-47.03	-43.66	115.80	-23.44
7	2	300	-2.17	-6.93	-3.79	-5.31	2.26	41.01	-109.32	-108.36	40.05	11.95
7	2	301	-3.95	-17.49	-9.18	-12.25	6.59	-43.68	-452.94	-351.95	-144.67	176.45
7	2	302	-2.42	-8.62	-5.76	-5.29	3.09	238.70	-309.52	-114.33	43.51	262.50
7	2	303	5.37	1.32	2.59	4.11	1.87	161.18	119.69	121.76	159.11	9.04
7	2	304	2.41	-5.41	1.21	-4.21	-2.82	189.11	22.52	46.45	165.18	-58.42
7	2	305	-8.03	-10.40	-10.19	-8.24	-0.68	345.45	-62.18	-61.12	344.39	-20.75
7	2	306	-4.57	-12.18	-8.69	-8.06	3.79	320.30	-17.12	-17.10	320.28	2.74
7	2	307	-1.53	-5.94	-1.58	-5.90	0.45	217.69	-94.67	-91.82	214.84	29.70
7	2	308	1.05	0.10	0.11	1.05	8.03e-02	167.34	125.77	141.53	151.58	20.17
7	4	253	0.69	2.70e-02	0.69	3.10e-02	-5.13e-02	168.48	72.41	127.98	112.90	47.44
7	4	254	-1.20	-4.57	-1.68	-4.09	1.18	246.27	-38.70	-11.91	219.47	83.17
7	4	255	-8.71	-10.12	-8.99	-9.83	0.57	348.33	-82.68	-80.71	346.36	29.09
7	4	256	-7.59	-10.54	-8.47	-9.66	-1.35	347.63	-85.79	-83.91	345.76	-28.44
7	4	257	-1.99	-4.73	-2.31	-4.40	-0.88	249.30	-24.77	6.03	218.49	-86.57
7	4	258	0.60	0.46	0.53	0.53	6.78e-02	146.44	82.57	114.52	114.50	-31.94
7	4	259	-1.66	-5.00	-4.94	-1.72	0.47	240.02	-49.58	235.84	-45.40	34.55
7	4	260	-2.28	-8.88	-5.38	-5.78	3.29	238.44	-323.94	21.74	-107.23	273.70
7	4	261	-1.27	-11.79	-7.40	-5.67	5.19	254.72	-395.60	-124.10	-16.78	320.70
7	4	262	-4.13	-7.91	-6.35	-5.69	1.86	169.34	-309.56	-286.92	146.71	101.63
7	4	263	-3.17	-10.29	-6.71	-6.75	-3.56	113.25	-395.67	-307.13	24.71	-192.93
7	4	264	-2.34	-11.01	-5.55	-7.81	-4.19	92.65	-377.40	-160.64	-124.10	-234.31
7	4	265	-2.46	-9.36	-5.92	-5.90	-3.45	132.17	-364.34	-116.37	-115.80	-248.26
7	4	266	-1.95	-4.73	-4.40	-2.28	-0.90	249.42	-24.62	218.55	6.24	-86.64
7	4	267	-4.61	-19.03	-13.94	-9.71	6.89	-4.95	-457.64	-126.40	-336.19	200.57
7	4	268	-1.95	-12.27	-11.58	-2.63	2.58	90.91	-161.67	-137.14	66.38	74.80
7	4	269	-3.78	-5.51	-5.20	-4.10	0.67	146.31	-295.29	-294.27	145.29	21.21
7	4	270	-2.92	-6.55	-6.22	-3.25	-1.05	128.60	-263.49	-263.37	128.48	-6.77
7	4	271	-4.69	-16.01	-10.36	-10.34	-5.66	-172.78	-778.49	-476.09	-475.18	-302.86
7	4	272	-2.32	-11.02	-7.82	-5.52	-4.20	93.36	-377.85	-124.54	-159.95	-234.94
7	4	273	-5.43	-14.10	-8.99	-10.53	4.26	309.06	-78.36	307.92	-77.22	20.99
7	4	274	-1.55	-7.00	-4.52	-4.03	2.72	43.83	-98.31	43.48	-97.96	7.07
7	4	278	-2.92	-6.52	-3.26	-6.18	-1.05	128.63	-263.07	128.51	-262.95	-6.88
7	4	279	-3.15	-10.28	-6.75	-6.68	-3.57	114.03	-395.88	24.76	-306.61	-193.78
7	4	280	-7.54	-10.56	-9.67	-8.44	-1.38	347.84	-85.65	345.93	-83.74	-28.68
7	4	281	-8.34	-10.60	-8.62	-10.32	-0.75	338.38	-64.32	337.30	-63.24	-20.89
7	4	282	-8.30e-02	-5.90	-5.49	-0.50	-1.50	122.71	-46.43	119.25	-42.97	-23.94
7	4	286	-3.78	-5.50	-4.09	-5.19	0.66	145.93	-296.01	144.92	-294.99	21.13
7	4	287	-4.08	-7.87	-5.70	-6.25	1.88	168.67	-308.02	146.62	-285.97	100.12
7	4	288	-8.75	-10.11	-9.87	-8.99	0.52	349.40	-84.73	347.46	-82.79	28.97
7	4	289	1.40	-6.04	-4.70	5.73e-02	-2.86	196.09	-22.36	167.04	6.69	-74.18
7	4	290	-0.25	-11.52	-3.40	-8.37	-5.06	73.83	-129.41	30.30	-85.89	-83.38
7	4	294	-1.87	-12.33	-2.67	-11.54	2.77	92.86	-161.16	68.67	-136.97	74.56
7	4	295	-1.24	-11.59	-5.57	-7.26	5.11	254.33	-408.32	-18.33	-135.66	326.09
7	4	296	-1.24	-4.75	-4.33	-1.66	1.14	245.75	-33.89	218.17	-6.31	83.37
7	4	297	-3.61	-14.03	-9.78	-7.86	-5.12	24.85	-292.24	-154.30	-113.08	-157.20
7	4	298	-1.02	-10.79	-8.41	-3.41	-4.20	59.17	-125.99	-87.14	20.32	-75.39
7	4	299	-0.11	-6.16	-0.54	-5.72	-1.57	119.18	-47.00	-43.63	115.80	-23.43
7	4	300	-2.16	-6.93	-3.78	-5.31	2.26	41.00	-109.29	-108.33	40.05	11.94
7	4	301	-3.94	-17.48	-9.17	-12.25	6.59	-43.67	-452.89	-351.92	-144.64	176.42
7	4	302	-2.41	-8.62	-5.75	-5.28	3.09	238.69	-309.51	-114.33	43.52	262.49
7	4	303	5.37	1.33	2.59	4.11	1.87	161.15	119.67	121.74	159.08	9.03
7	4	304	2.42	-5.41	1.22	-4.21	-2.82	189.10	22.52	46.45	165.18	-58.42

7	4	305	-8.03	-10.39	-10.18	-8.24	-0.68	345.47	-62.13	-61.07	344.41	-20.75
7	4	306	-4.56	-12.18	-8.68	-8.06	3.79	320.32	-17.08	-17.06	320.30	2.73
7	4	307	-1.53	-5.94	-1.58	-5.89	0.45	217.69	-94.68	-91.83	214.84	29.70
7	4	308	1.05	0.10	0.11	1.05	8.20e-02	167.32	125.76	141.51	151.56	20.16
7	22	253	1.70	0.19	1.66	0.23	0.24	96.78	42.48	73.50	65.76	26.87
7	22	254	0.56	-3.33	-0.17	-2.60	1.51	150.79	-14.37	-1.44	137.86	44.36
7	22	255	-4.31	-7.50	-5.13	-6.68	1.40	227.15	-36.62	-35.75	226.28	15.13
7	22	256	-4.99	-6.62	-4.99	-6.62	3.24e-02	227.79	-39.76	-38.75	226.78	-16.34
7	22	257	-0.83	-2.64	-0.83	-2.64	-2.78e-03	157.01	-6.49	10.07	140.45	-49.33
7	22	258	2.06	0.72	1.13	1.65	0.62	92.46	48.08	70.70	69.83	-22.19
7	22	259	-1.24	-3.78	-3.60	-1.42	0.65	153.07	-31.45	151.68	-30.06	15.95
7	22	260	-1.17	-6.44	-3.61	-4.00	2.63	139.69	-176.13	22.78	-59.22	152.50
7	22	261	2.06e-03	-8.50	-4.81	-3.69	4.22	148.85	-213.67	-59.10	-5.72	179.28
7	22	262	-1.74	-5.88	-3.83	-3.78	2.07	101.86	-172.73	-159.76	88.89	58.26
7	22	263	-2.45	-5.85	-3.82	-4.48	-1.67	68.69	-222.02	-172.30	18.97	-109.46
7	22	264	-1.57	-6.24	-3.00	-4.81	-2.16	57.27	-211.16	-89.08	-64.80	-133.67
7	22	265	-1.47	-5.23	-3.36	-3.34	-1.88	80.68	-202.80	-61.81	-60.31	-141.74
7	22	266	-7.97e-02	-2.41	-2.39	-9.97e-02	-0.21	156.51	-6.04	139.54	10.92	-49.70
7	22	267	-3.48	-13.47	-10.06	-6.89	4.74	10.56	-236.10	-41.53	-184.01	100.68
7	22	268	-1.21	-9.19	-8.56	-1.85	2.16	52.98	-78.68	-62.62	36.91	43.09
7	22	269	-2.00	-3.97	-3.31	-2.67	0.93	85.27	-165.53	-164.98	84.71	11.78
7	22	270	-2.01	-3.23	-3.23	-2.01	-6.89e-02	73.23	-149.68	-149.55	73.10	-5.40
7	22	271	-3.03	-9.18	-5.93	-6.28	-3.07	-95.93	-440.71	-269.37	-267.28	-172.39
7	22	272	-1.21	-6.29	-4.63	-2.86	-2.38	57.95	-211.03	-66.11	-86.96	-134.08
7	22	273	-4.54	-10.88	-6.66	-8.76	2.99	198.73	-31.98	198.64	-31.90	4.48
7	22	274	-0.96	-4.80	-3.10	-2.66	1.91	22.19	-54.64	22.07	-54.52	-3.00
7	22	278	-1.85	-3.77	-1.87	-3.75	-0.22	72.99	-147.57	72.86	-147.44	-5.44
7	22	279	-1.96	-6.01	-4.32	-3.65	-2.00	68.68	-220.83	18.18	-170.32	-109.87
7	22	280	-3.43	-6.31	-6.26	-3.49	-0.38	226.60	-37.86	225.58	-36.83	-16.44
7	22	281	-5.96	-8.94	-6.26	-8.64	-0.89	211.32	-21.94	210.90	-21.52	-9.82
7	22	282	0.21	-4.32	-3.84	-0.27	-1.40	71.83	-23.77	70.37	-22.31	-11.72
7	22	286	-2.30	-3.64	-2.48	-3.45	0.47	84.87	-165.40	84.23	-164.76	12.63
7	22	287	-2.06	-5.07	-3.61	-3.52	1.50	101.27	-171.44	88.22	-158.39	58.21
7	22	288	-3.62	-6.54	-6.38	-3.78	0.67	226.88	-36.05	225.87	-35.04	16.23
7	22	289	1.13	-4.49	-3.23	-0.13	-2.34	115.26	-0.33	104.47	10.46	-33.62
7	22	290	0.21	-8.73	-2.45	-6.06	-4.09	36.49	-57.37	17.12	-38.00	-37.98
7	22	294	-1.13	-8.15	-1.43	-7.85	1.43	54.52	-81.51	37.76	-64.76	44.71
7	22	295	-0.51	-7.29	-3.37	-4.43	3.35	150.55	-223.82	-7.41	-65.87	184.89
7	22	296	0.94	-2.53	-2.36	0.77	0.76	153.09	-10.20	138.30	4.60	46.87
7	22	297	-2.27	-10.50	-6.96	-5.80	-4.07	16.66	-127.70	-64.51	-46.52	-71.62
7	22	298	-1.22e-02	-8.52	-6.26	-2.26	-3.75	30.10	-53.69	-36.29	12.70	-33.98
7	22	299	0.91	-4.74	6.54e-02	-3.89	-2.01	69.87	-21.80	-20.33	68.40	-11.53
7	22	300	-1.11	-4.05	-1.38	-3.78	0.85	22.75	-59.73	-59.64	22.67	2.61
7	22	301	-2.42	-10.59	-5.04	-7.97	3.81	-16.24	-237.04	-193.55	-59.73	87.81
7	22	302	-1.50	-5.09	-3.32	-3.27	1.79	141.93	-168.39	-61.71	35.24	147.40
7	22	303	3.68	1.70	2.36	3.02	0.93	87.18	66.28	66.76	86.70	3.13
7	22	304	2.42	-4.20	1.12	-2.90	-2.63	112.15	21.96	30.08	104.03	-25.81
7	22	305	-4.78	-7.88	-6.99	-5.67	-1.40	214.05	-18.30	-17.91	213.66	-9.51
7	22	306	-3.82	-7.56	-5.68	-5.70	1.87	202.75	1.35	1.53	202.57	-5.98
7	22	307	-0.86	-3.90	-0.87	-3.90	4.36e-02	141.62	-55.67	-54.49	140.43	15.25
7	22	308	1.85	0.69	0.72	1.82	-0.20	100.29	73.05	83.64	89.71	13.28
7	23	253	1.44	0.65	0.81	1.28	-0.31	102.23	41.96	77.72	66.47	29.61
7	23	254	-0.79	-2.53	-0.92	-2.41	0.44	153.10	-14.76	-0.95	139.29	46.12
7	23	255	-6.21	-7.24	-6.48	-6.97	-0.45	228.74	-38.29	-37.23	227.68	16.79
7	23	256	-4.33	-8.45	-5.92	-6.86	-2.00	228.15	-41.11	-40.45	227.49	-13.24
7	23	257	-0.26	-3.99	-1.29	-2.97	-1.67	153.90	-5.86	8.10	139.94	-45.11
7	23	258	1.37	0.14	1.01	0.50	-0.56	82.11	49.63	65.44	66.30	-16.23
7	23	259	0.67	-2.83	-2.79	0.63	0.37	151.27	-29.23	149.42	-27.38	18.18
7	23	260	-0.96	-5.23	-3.15	-3.05	2.13	141.39	-177.62	21.33	-57.56	154.55
7	23	261	-0.77	-7.34	-4.57	-3.53	3.24	150.49	-216.14	-60.88	-4.77	181.16
7	23	262	-3.19	-4.63	-3.94	-3.88	0.72	103.26	-174.62	-161.10	89.74	59.78
7	23	263	-1.17	-7.89	-4.43	-4.63	-3.36	67.26	-219.76	-171.96	19.46	-106.93
7	23	264	-0.70	-8.68	-3.82	-5.55	-3.89	53.43	-206.43	-88.15	-64.85	-129.41
7	23	265	-0.83	-7.38	-4.10	-4.10	-3.28	75.77	-198.65	-61.07	-61.82	-137.21
7	23	266	-1.00	-4.19	-3.21	-1.98	-1.47	154.59	-6.15	140.92	7.52	-44.84
7	23	267	-2.13	-12.14	-8.91	-5.36	4.68	10.09	-235.97	-45.38	-180.50	102.82
7	23	268	-1.02	-7.43	-7.04	-1.42	1.54	53.12	-83.55	-67.31	36.88	44.23
7	23	269	-2.66	-2.87	-2.84	-2.68	6.97e-02	85.65	-167.10	-166.41	84.96	13.16
7	23	270	-1.52	-5.02	-4.31	-2.23	-1.41	73.75	-147.29	-147.25	73.71	-2.92
7	23	271	-2.86	-12.15	-7.69	-7.32	-4.64	-97.49	-434.20	-265.40	-266.30	-168.35
7	23	272	-1.04	-8.63	-5.74	-3.93	-3.68	53.68	-207.17	-64.13	-89.37	-129.81
7	23	273	-2.40	-8.01	-5.79	-4.63	2.75	196.20	-26.02	196.07	-25.89	5.40
7	23	274	1.32e-03	-4.16	-2.97	-1.19	1.88	19.65	-47.31	19.59	-47.25	-1.95
7	23	278	-1.63	-4.50	-2.38	-3.75	-1.27	74.04	-148.86	73.99	-148.82	-3.02
7	23	279	-1.63	-7.72	-4.80	-4.56	-3.04	68.26	-221.27	20.30	-173.31	-107.64
7	23	280	-5.68	-8.94	-7.23	-7.39	-1.63	229.59	-42.83	228.92	-42.17	-13.45
7	23	281	-4.46	-5.49	-5.39	-4.56	-0.30	209.46	-15.89	208.97	-15.40	-10.49
7	23	282	1.16	-3.67	-3.53	1.02	-0.81	70.36	-17.34	68.65	-15.64	-12.12
7	23	286	-2.25	-3.30	-2.85	-2.70	0.52	85.55	-168.13	84.96	-167.53	12.26

7	23	287	-2.79	-5.40	-4.07	-4.12	1.31	103.01	-174.16	90.32	-161.47	57.94
7	23	288	-7.24	-7.91	-7.33	-7.83	0.22	230.25	-41.48	229.37	-40.60	15.41
7	23	289	2.29	-3.21	-2.71	1.79	-1.58	119.15	2.55	106.77	14.93	-35.93
7	23	290	0.12	-6.32	-1.86	-4.34	-2.97	39.32	-57.61	17.08	-35.38	-40.75
7	23	294	-0.93	-8.64	-1.88	-7.69	2.53	53.77	-80.61	38.79	-65.63	42.30
7	23	295	-0.22	-8.27	-3.73	-4.75	3.99	148.20	-222.17	-5.59	-68.37	182.50
7	23	296	-1.20	-3.68	-2.98	-1.90	1.12	150.99	-10.66	138.23	2.09	43.58
7	23	297	-1.94	-7.66	-5.47	-4.13	-2.77	18.62	-133.56	-66.15	-48.78	-75.59
7	23	298	-0.72	-5.53	-4.22	-2.03	-2.14	31.07	-57.28	-37.86	11.65	-36.59
7	23	299	0.65	-3.80	0.63	-3.78	-0.29	69.51	-20.39	-18.74	67.85	-12.09
7	23	300	-0.40	-5.16	-2.17	-3.39	2.30	22.68	-55.69	-55.64	22.63	1.95
7	23	301	-2.17	-12.84	-6.37	-8.64	5.21	-16.80	-232.47	-189.90	-59.37	85.84
7	23	302	-0.79	-6.28	-3.67	-3.40	2.74	139.31	-166.27	-61.22	34.27	145.14
7	23	303	5.21	1.59	2.72	4.08	1.68	86.67	67.31	67.31	86.67	0.18
7	23	304	2.49	-2.72	2.14	-2.37	-1.29	112.50	20.88	30.84	102.54	-28.51
7	23	305	-5.34	-6.18	-6.03	-5.49	0.32	213.56	-16.50	-16.06	213.12	-10.05
7	23	306	-1.94	-8.57	-5.05	-5.46	3.31	202.73	4.35	4.58	202.50	-6.76
7	23	307	0.45	-4.01	0.25	-3.81	0.93	141.24	-55.74	-54.76	140.26	13.85
7	23	308	1.35	0.62	0.90	1.07	0.36	98.11	75.03	83.31	89.82	11.07
7	54	253	1.49	0.45	1.47	0.46	0.12	97.99	42.37	74.41	65.95	27.49
7	54	254	0.25	-3.14	-0.33	-2.56	1.28	151.26	-14.46	-1.34	138.14	44.75
7	54	255	-4.90	-7.27	-5.43	-6.74	0.99	227.47	-36.98	-36.07	226.56	15.50
7	54	256	-5.08	-6.78	-5.19	-6.68	-0.41	227.83	-40.04	-39.12	226.91	-15.64
7	54	257	-0.85	-2.78	-0.93	-2.71	-0.37	156.29	-6.34	9.64	140.32	-48.40
7	54	258	1.64	0.86	1.11	1.40	0.36	90.19	48.44	69.57	69.06	-20.88
7	54	259	-0.84	-3.55	-3.42	-0.97	0.59	152.75	-30.95	151.26	-29.46	16.46
7	54	260	-1.13	-6.17	-3.50	-3.79	2.52	140.09	-176.46	22.49	-58.86	152.96
7	54	261	-0.17	-8.25	-4.76	-3.66	4.00	149.20	-214.24	-59.50	-5.54	179.70
7	54	262	-2.06	-5.60	-3.86	-3.80	1.77	102.16	-173.15	-160.06	89.06	58.60
7	54	263	-2.18	-6.29	-3.96	-4.51	-2.04	68.36	-221.53	-172.24	19.07	-108.89
7	54	264	-1.39	-6.77	-3.18	-4.97	-2.54	56.42	-210.13	-88.90	-64.81	-132.73
7	54	265	-1.33	-5.70	-3.53	-3.51	-2.19	79.58	-201.91	-61.68	-60.65	-140.74
7	54	266	-0.40	-2.68	-2.57	-0.51	-0.49	156.00	-6.04	139.78	10.18	-48.63
7	54	267	-3.18	-13.17	-9.80	-6.56	4.73	10.49	-236.07	-42.34	-183.24	101.17
7	54	268	-1.17	-8.80	-8.22	-1.75	2.02	53.00	-79.78	-63.68	36.90	43.35
7	54	269	-2.15	-3.72	-3.20	-2.67	0.74	85.35	-165.88	-165.30	84.77	12.09
7	54	270	-1.97	-3.56	-3.47	-2.06	-0.37	73.34	-149.17	-149.06	73.23	-4.85
7	54	271	-3.00	-9.83	-6.32	-6.51	-3.42	-96.29	-439.30	-268.52	-267.07	-171.50
7	54	272	-1.18	-6.80	-4.88	-3.10	-2.67	56.99	-210.20	-65.70	-87.50	-133.15
7	54	273	-4.15	-10.17	-6.47	-7.85	2.93	198.27	-30.71	198.17	-30.62	4.69
7	54	274	-0.77	-4.64	-3.07	-2.34	1.90	21.73	-53.05	21.62	-52.95	-2.76
7	54	278	-1.88	-3.86	-1.99	-3.75	-0.45	73.21	-147.87	73.10	-147.76	-4.91
7	54	279	-1.89	-6.38	-4.42	-3.85	-2.23	68.55	-220.94	18.61	-170.99	-109.38
7	54	280	-4.15	-6.66	-6.48	-4.34	-0.66	227.16	-38.93	226.22	-37.99	-15.77
7	54	281	-5.77	-8.04	-6.06	-7.75	-0.76	210.97	-20.69	210.54	-20.26	-9.98
7	54	282	0.40	-4.16	-3.77	8.43e-03	-1.27	71.56	-22.39	70.05	-20.88	-11.81
7	54	286	-2.33	-3.52	-2.57	-3.28	0.47	85.02	-166.01	84.39	-165.38	12.56
7	54	287	-2.22	-5.14	-3.72	-3.65	1.46	101.62	-172.05	88.65	-159.07	58.16
7	54	288	-4.51	-6.74	-6.59	-4.67	0.57	227.53	-37.22	226.55	-36.24	16.05
7	54	289	1.35	-4.18	-3.12	0.29	-2.18	116.04	0.26	104.90	11.40	-34.14
7	54	290	0.19	-8.21	-2.32	-5.69	-3.85	37.09	-57.45	17.10	-37.46	-38.60
7	54	294	-1.11	-8.22	-1.53	-7.81	1.66	54.35	-81.35	37.98	-64.98	44.19
7	54	295	-0.45	-7.50	-3.45	-4.50	3.49	150.02	-223.50	-7.06	-66.42	184.39
7	54	296	0.42	-2.73	-2.49	0.18	0.84	152.62	-10.29	138.28	4.05	46.16
7	54	297	-2.20	-9.88	-6.64	-5.44	-3.79	17.10	-128.97	-64.87	-46.99	-72.49
7	54	298	-0.16	-7.87	-5.82	-2.22	-3.41	30.30	-54.48	-36.65	12.47	-34.55
7	54	299	0.77	-4.45	0.19	-3.87	-1.64	69.81	-21.50	-19.99	68.30	-11.65
7	54	300	-1.04	-4.20	-1.55	-3.69	1.16	22.75	-58.85	-58.77	22.67	2.47
7	54	301	-2.37	-11.06	-5.32	-8.11	4.12	-16.37	-236.06	-192.76	-59.67	87.39
7	54	302	-1.35	-5.34	-3.40	-3.29	2.00	141.39	-167.94	-61.59	35.04	146.93
7	54	303	4.01	1.68	2.44	3.25	1.09	87.01	66.60	66.90	86.71	2.48
7	54	304	2.40	-3.84	1.34	-2.78	-2.34	112.22	21.72	30.22	103.72	-26.40
7	54	305	-5.02	-7.39	-6.78	-5.63	-1.03	213.96	-17.93	-17.53	213.56	-9.63
7	54	306	-3.41	-7.77	-5.54	-5.64	2.18	202.76	2.00	2.19	202.57	-6.14
7	54	307	-0.61	-3.89	-0.62	-3.88	0.23	141.56	-55.66	-54.52	140.42	14.96
7	54	308	1.66	0.75	0.76	1.65	-7.78e-02	99.83	73.47	83.55	89.74	12.81
7	55	253	1.22	0.83	1.00	1.06	-0.19	101.01	42.08	76.80	66.28	28.99
7	55	254	-0.51	-2.69	-0.75	-2.45	0.68	152.62	-14.66	-1.06	139.01	45.73
7	55	255	-6.18	-6.91	-6.18	-6.91	-4.30e-02	228.42	-37.93	-36.91	227.41	16.41
7	55	256	-4.61	-7.91	-5.72	-6.81	-1.56	228.09	-40.81	-40.09	227.36	-13.93
7	55	257	-0.49	-3.60	-1.19	-2.89	-1.30	154.58	-5.99	8.53	140.07	-46.04
7	55	258	1.23	0.56	1.03	0.75	-0.30	84.36	49.28	66.57	67.07	-17.54
7	55	259	0.24	-3.03	-2.97	0.18	0.43	151.58	-29.72	149.84	-27.98	17.68
7	55	260	-1.01	-5.49	-3.25	-3.26	2.24	140.99	-177.29	21.62	-57.92	154.09
7	55	261	-0.60	-7.59	-4.63	-3.57	3.46	150.14	-215.58	-60.49	-4.95	180.74
7	55	262	-2.87	-4.90	-3.92	-3.86	1.02	102.96	-174.20	-160.81	89.57	59.44
7	55	263	-1.46	-7.44	-4.30	-4.60	-2.98	67.59	-220.24	-172.02	19.36	-107.49
7	55	264	-0.90	-8.13	-3.64	-5.39	-3.51	54.29	-207.46	-88.33	-64.84	-130.35
7	55	265	-0.97	-6.91	-3.94	-3.94	-2.97	76.87	-199.54	-61.20	-61.48	-138.21

7	55	266	-0.90	-3.70	-3.03	-1.57	-1.20	155.04	-6.09	140.68	8.27	-45.91
7	55	267	-2.43	-12.44	-9.16	-5.70	4.70	10.14	-235.97	-44.57	-181.26	102.33
7	55	268	-1.07	-7.82	-7.38	-1.51	1.67	53.10	-82.45	-66.26	36.90	43.97
7	55	269	-2.52	-3.11	-2.95	-2.68	0.26	85.56	-166.75	-166.09	84.91	12.85
7	55	270	-1.67	-4.59	-4.07	-2.18	-1.11	73.63	-147.79	-147.73	73.58	-3.47
7	55	271	-2.90	-11.49	-7.30	-7.09	-4.29	-97.14	-435.62	-266.25	-266.51	-169.24
7	55	272	-1.08	-8.11	-5.50	-3.70	-3.40	54.63	-207.99	-64.54	-88.82	-130.75
7	55	273	-2.95	-8.57	-5.98	-5.53	2.80	196.66	-27.29	196.54	-27.17	5.19
7	55	274	-0.22	-4.29	-3.00	-1.51	1.89	20.11	-48.90	20.04	-48.83	-2.19
7	55	278	-1.74	-4.28	-2.27	-3.74	-1.03	73.80	-148.56	73.75	-148.50	-3.55
7	55	279	-1.71	-7.34	-4.69	-4.36	-2.81	68.38	-221.15	19.87	-172.64	-108.13
7	55	280	-5.40	-8.15	-7.01	-6.53	-1.35	229.01	-41.74	228.28	-41.01	-14.12
7	55	281	-5.09	-5.95	-5.59	-5.45	-0.43	209.81	-17.14	209.34	-16.66	-10.34
7	55	282	0.93	-3.79	-3.60	0.74	-0.94	70.63	-18.72	68.97	-17.07	-12.03
7	55	286	-2.31	-3.33	-2.77	-2.86	0.51	85.40	-167.52	84.80	-166.92	12.34
7	55	287	-2.63	-5.33	-3.97	-3.99	1.35	102.66	-173.55	89.89	-160.78	58.00
7	55	288	-6.70	-7.36	-7.11	-6.94	0.32	229.60	-40.31	228.70	-39.40	15.59
7	55	289	2.01	-3.45	-2.82	1.37	-1.75	118.35	1.97	106.34	13.99	-35.41
7	55	290	0.14	-6.84	-1.99	-4.71	-3.21	38.69	-57.51	17.10	-35.91	-40.14
7	55	294	-1.00	-8.51	-1.78	-7.73	2.29	53.93	-80.76	38.57	-65.40	42.81
7	55	295	-0.28	-8.06	-3.65	-4.68	3.85	148.73	-222.48	-5.94	-67.82	183.00
7	55	296	-0.79	-3.37	-2.84	-1.32	1.04	151.43	-10.55	138.25	2.63	44.29
7	55	297	-2.02	-8.27	-5.80	-4.49	-3.05	18.18	-132.29	-65.80	-48.31	-74.72
7	55	298	-0.57	-6.18	-4.66	-2.08	-2.49	30.86	-56.48	-37.51	11.89	-36.02
7	55	299	0.61	-3.90	0.51	-3.81	-0.66	69.57	-20.69	-19.08	67.95	-11.98
7	55	300	-0.62	-4.86	-2.00	-3.48	1.99	22.69	-56.56	-56.51	22.63	2.09
7	55	301	-2.23	-12.35	-6.09	-8.49	4.91	-16.67	-233.46	-190.69	-59.44	86.26
7	55	302	-0.94	-6.03	-3.60	-3.37	2.54	139.85	-166.72	-61.34	34.47	145.61
7	55	303	4.88	1.61	2.65	3.85	1.52	86.70	67.14	67.17	86.66	0.83
7	55	304	2.43	-2.99	1.92	-2.48	-1.58	112.40	21.15	30.70	102.85	-27.92
7	55	305	-5.52	-6.24	-6.24	-5.53	-5.38e-02	213.64	-16.87	-16.44	213.22	-9.94
7	55	306	-2.35	-8.35	-5.19	-5.51	3.00	202.72	3.70	3.92	202.50	-6.59
7	55	307	0.14	-3.97	6.96e-03	-3.83	0.74	141.29	-55.74	-54.72	140.28	14.13
7	55	308	1.35	0.75	0.86	1.23	0.24	98.57	74.62	83.40	89.79	11.54
7	74	253	0.84	0.34	0.84	0.34	-3.85e-02	116.53	49.85	88.53	77.85	32.91
7	74	254	-0.58	-3.25	-0.97	-2.87	0.94	173.11	-23.13	-5.70	155.68	55.83
7	74	255	-6.24	-7.45	-6.44	-7.24	0.45	250.53	-52.25	-50.98	249.26	19.58
7	74	256	-5.45	-7.74	-6.06	-7.13	-1.01	250.23	-54.89	-53.72	249.07	-18.80
7	74	257	-1.18	-3.42	-1.47	-3.13	-0.75	175.93	-13.41	6.57	155.95	-58.17
7	74	258	0.74	0.65	0.69	0.70	4.39e-02	101.63	57.16	79.40	79.39	-22.24
7	74	259	-0.86	-3.61	-3.54	-0.92	0.42	170.48	-34.71	168.00	-32.22	22.45
7	74	260	-1.46	-6.40	-3.81	-4.05	2.47	164.76	-217.74	19.04	-72.02	185.76
7	74	261	-0.72	-8.57	-5.26	-4.04	3.88	175.81	-265.45	-80.05	-9.58	217.80
7	74	262	-2.87	-5.72	-4.45	-4.14	1.41	118.22	-210.12	-194.52	102.62	69.85
7	74	263	-2.18	-7.46	-4.71	-4.92	-2.64	78.78	-268.08	-208.39	19.09	-130.93
7	74	264	-1.52	-8.03	-3.90	-5.65	-3.14	64.34	-254.88	-108.39	-82.15	-159.07
7	74	265	-1.57	-6.81	-4.20	-4.19	-2.62	91.47	-245.69	-77.31	-76.91	-168.58
7	74	266	-1.16	-3.42	-3.13	-1.45	-0.76	176.02	-13.30	156.00	6.72	-58.22
7	74	267	-3.23	-13.84	-10.19	-6.89	5.05	2.08	-301.39	-73.87	-225.43	131.46
7	74	268	-1.33	-8.95	-8.43	-1.86	1.92	62.54	-105.52	-87.88	44.91	51.50
7	74	269	-2.67	-3.88	-3.60	-2.95	0.51	100.77	-200.72	-200.00	100.06	14.64
7	74	270	-2.07	-4.61	-4.34	-2.34	-0.78	87.87	-179.13	-179.05	87.78	-4.75
7	74	271	-3.32	-11.60	-7.47	-7.45	-4.14	-117.18	-528.70	-323.27	-322.61	-205.76
7	74	272	-1.50	-8.03	-5.66	-3.88	-3.14	64.85	-255.21	-82.47	-107.89	-159.52
7	74	273	-3.92	-10.19	-6.62	-7.49	3.10	220.15	-46.64	219.67	-46.17	11.28
7	74	274	-0.91	-4.97	-3.29	-2.59	2.00	28.01	-64.78	27.97	-64.74	2.00
7	74	278	-2.07	-4.59	-2.34	-4.32	-0.78	87.89	-178.83	87.80	-178.75	-4.83
7	74	279	-2.16	-7.46	-4.92	-4.69	-2.65	79.34	-268.24	19.13	-208.03	-131.54
7	74	280	-5.42	-7.76	-7.14	-6.04	-1.04	250.37	-54.79	249.19	-53.61	-18.97
7	74	281	-6.03	-7.62	-6.28	-7.36	-0.58	238.58	-36.22	237.92	-35.55	-13.50
7	74	282	0.24	-4.29	-3.99	-5.87e-02	-1.13	84.26	-29.14	82.07	-26.95	-15.59
7	74	286	-2.67	-3.86	-2.94	-3.60	0.50	100.50	-201.22	99.79	-200.51	14.60
7	74	287	-2.84	-5.70	-4.15	-4.38	1.43	117.74	-209.07	102.56	-193.89	68.78
7	74	288	-6.26	-7.45	-7.27	-6.44	0.42	251.26	-53.71	250.01	-52.47	19.48
7	74	289	1.33	-4.28	-3.34	0.38	-2.09	136.13	-9.15	118.55	8.43	-47.38
7	74	290	-3.72e-02	-8.28	-2.41	-5.91	-3.74	48.57	-81.27	20.61	-53.30	-53.37
7	74	294	-1.28	-9.00	-1.88	-8.40	2.06	63.86	-105.27	46.50	-87.91	51.33
7	74	295	-0.70	-8.42	-3.97	-5.15	3.82	175.52	-274.49	-10.80	-88.18	221.65
7	74	296	-0.63	-3.38	-3.04	-0.97	0.90	172.92	-19.24	154.98	-1.29	55.92
7	74	297	-2.49	-10.05	-6.96	-5.58	-3.72	18.47	-183.87	-95.51	-69.89	-100.36
7	74	298	-0.61	-7.75	-5.94	-2.42	-3.11	39.03	-78.91	-54.02	14.13	-48.13
7	74	299	0.23	-4.47	-8.95e-02	-4.16	-1.18	82.11	-29.62	-27.48	79.97	-15.33
7	74	300	-1.33	-4.96	-2.42	-3.87	1.67	27.65	-72.57	-72.18	27.26	6.19
7	74	301	-2.72	-12.69	-6.47	-8.94	4.83	-26.40	-298.79	-236.39	-88.80	114.47
7	74	302	-1.55	-6.22	-4.02	-3.75	2.33	164.91	-207.32	-76.44	34.03	177.73
7	74	303	4.27	1.29	2.23	3.33	1.38	107.72	81.25	82.09	106.87	4.65
7	74	304	2.09	-3.83	1.24	-2.98	-2.08	130.93	19.23	33.44	116.73	-37.21
7	74	305	-5.82	-7.46	-7.26	-6.01	-0.53	243.15	-34.60	-33.97	242.51	-13.28
7	74	306	-3.25	-8.80	-6.11	-5.93	2.77	227.32	-6.13	-6.12	227.31	-1.57

7	74	307	-0.77	-4.29	-0.82	-4.24	0.40	156.11	-65.35	-63.67	154.43	19.24
7	74	308	1.09	0.39	0.40	1.08	6.92e-02	115.89	86.88	97.83	104.94	14.06
7	76	253	0.84	0.34	0.84	0.34	-3.77e-02	116.51	49.84	88.52	77.83	32.90
7	76	254	-0.58	-3.25	-0.97	-2.87	0.94	173.11	-23.13	-5.70	155.67	55.83
7	76	255	-6.23	-7.45	-6.43	-7.24	0.45	250.55	-52.23	-50.96	249.28	19.58
7	76	256	-5.44	-7.74	-6.05	-7.13	-1.02	250.25	-54.87	-53.70	249.08	-18.80
7	76	257	-1.18	-3.42	-1.46	-3.13	-0.75	175.93	-13.41	6.57	155.95	-58.17
7	76	258	0.74	0.65	0.70	0.70	4.30e-02	101.62	57.14	79.39	79.38	-22.24
7	76	259	-0.86	-3.60	-3.54	-0.92	0.42	170.48	-34.71	168.00	-32.23	22.44
7	76	260	-1.46	-6.39	-3.81	-4.05	2.47	164.76	-217.73	19.04	-72.01	185.75
7	76	261	-0.72	-8.57	-5.26	-4.04	3.88	175.81	-265.43	-80.04	-9.58	217.79
7	76	262	-2.87	-5.72	-4.45	-4.14	1.41	118.22	-210.10	-194.50	102.62	69.85
7	76	263	-2.17	-7.45	-4.71	-4.92	-2.64	78.79	-268.06	-208.37	19.10	-130.92
7	76	264	-1.52	-8.03	-3.90	-5.65	-3.14	64.35	-254.86	-108.37	-82.14	-159.07
7	76	265	-1.57	-6.81	-4.20	-4.19	-2.62	91.48	-245.68	-77.31	-76.90	-168.58
7	76	266	-1.15	-3.42	-3.13	-1.45	-0.76	176.02	-13.30	155.99	6.73	-58.22
7	76	267	-3.23	-13.84	-10.18	-6.89	5.04	2.10	-301.35	-73.85	-225.41	131.44
7	76	268	-1.33	-8.95	-8.43	-1.86	1.92	62.54	-105.50	-87.87	44.90	51.50
7	76	269	-2.67	-3.88	-3.60	-2.94	0.51	100.77	-200.70	-199.98	100.06	14.64
7	76	270	-2.07	-4.61	-4.34	-2.34	-0.78	87.86	-179.12	-179.03	87.78	-4.75
7	76	271	-3.32	-11.59	-7.46	-7.45	-4.14	-117.17	-528.67	-323.25	-322.59	-205.75
7	76	272	-1.50	-8.03	-5.66	-3.88	-3.14	64.85	-255.19	-82.46	-107.88	-159.52
7	76	273	-3.92	-10.18	-6.62	-7.49	3.10	220.16	-46.61	219.69	-46.14	11.27
7	76	274	-0.90	-4.97	-3.29	-2.59	2.00	28.01	-64.76	27.96	-64.71	2.00
7	76	278	-2.07	-4.59	-2.34	-4.31	-0.78	87.88	-178.82	87.80	-178.73	-4.83
7	76	279	-2.15	-7.45	-4.92	-4.69	-2.65	79.34	-268.22	19.13	-208.01	-131.54
7	76	280	-5.41	-7.76	-7.14	-6.03	-1.04	250.39	-54.77	249.21	-53.58	-18.97
7	76	281	-6.02	-7.61	-6.28	-7.36	-0.59	238.59	-36.18	237.93	-35.52	-13.50
7	76	282	0.25	-4.29	-3.99	-5.44e-02	-1.13	84.26	-29.12	82.07	-26.93	-15.59
7	76	286	-2.67	-3.86	-2.94	-3.59	0.50	100.50	-201.20	99.79	-200.50	14.60
7	76	287	-2.83	-5.70	-4.15	-4.38	1.43	117.74	-209.05	102.56	-193.87	68.78
7	76	288	-6.26	-7.45	-7.27	-6.43	0.42	251.28	-53.69	250.03	-52.44	19.47
7	76	289	1.33	-4.28	-3.33	0.39	-2.10	136.12	-9.14	118.55	8.43	-47.37
7	76	290	-3.57e-02	-8.28	-2.41	-5.90	-3.73	48.57	-81.25	20.61	-53.29	-53.37
7	76	294	-1.28	-8.99	-1.88	-8.40	2.06	63.86	-105.26	46.50	-87.90	51.33
7	76	295	-0.70	-8.42	-3.97	-5.15	3.82	175.52	-274.48	-10.80	-88.17	221.65
7	76	296	-0.63	-3.38	-3.04	-0.97	0.90	172.92	-19.23	154.97	-1.29	55.91
7	76	297	-2.49	-10.05	-6.96	-5.58	-3.71	18.47	-183.85	-95.49	-69.88	-100.35
7	76	298	-0.60	-7.74	-5.93	-2.42	-3.11	39.02	-78.90	-54.01	14.13	-48.12
7	76	299	0.23	-4.47	-8.52e-02	-4.15	-1.18	82.11	-29.60	-27.46	79.97	-15.32
7	76	300	-1.33	-4.96	-2.42	-3.87	1.67	27.64	-72.55	-72.16	27.26	6.18
7	76	301	-2.72	-12.69	-6.47	-8.94	4.83	-26.39	-298.76	-236.37	-88.78	114.46
7	76	302	-1.55	-6.22	-4.02	-3.75	2.33	164.91	-207.31	-76.43	34.03	177.72
7	76	303	4.27	1.29	2.23	3.33	1.38	107.70	81.23	82.08	106.85	4.65
7	76	304	2.09	-3.83	1.24	-2.98	-2.08	130.92	19.24	33.44	116.72	-37.21
7	76	305	-5.81	-7.45	-7.26	-6.01	-0.53	243.16	-34.57	-33.94	242.52	-13.27
7	76	306	-3.24	-8.80	-6.11	-5.93	2.78	227.33	-6.10	-6.09	227.32	-1.58
7	76	307	-0.77	-4.29	-0.82	-4.24	0.41	156.11	-65.36	-63.67	154.43	19.24
7	76	308	1.09	0.39	0.40	1.08	7.03e-02	115.88	86.87	97.82	104.92	14.06

M_G	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
		-19.04	-13.94	-12.25	-5.66		-778.54	-476.12	-475.21	-302.87
	5.37		2.72	4.11	6.89	349.40		347.46	346.36	326.10

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

M_G	**Cmb**	**Nodo**	**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
			daN/cm	daN/cm	daN/cm	daN/cm	daN/cm	daN	daN	daN	daN	daN
8	2	267	-1.23	-7.47	-5.17	-3.53	3.01	3.43	-4.62	-5.52e-02	-1.13	3.99
8	2	268	-1.13	-5.77	-3.47	-3.43	2.32	23.51	3.56	3.96	23.12	2.77
8	2	269	-2.04	-4.44	-2.21	-4.27	0.62	113.47	35.17	35.18	113.46	0.59
8	2	270	-1.77	-4.86	-2.44	-4.19	-1.28	46.53	12.75	12.93	46.36	-2.43
8	2	271	-1.36	-6.95	-4.16	-4.15	-2.80	2.36	-6.97	-2.31	-2.30	-4.67
8	2	274	-1.54	-6.11	-5.33	-2.31	1.71	47.68	13.78	47.68	13.78	-0.11
8	2	275	-2.15	-5.27	-4.73	-2.70	1.19	21.23	-21.07	2.31	-2.15	21.03
8	2	276	-3.00	-3.74	-3.16	-3.57	0.31	-15.64	-27.44	-26.00	-17.08	3.86
8	2	277	-2.79	-4.09	-3.44	-3.44	-0.65	15.81	-31.99	-8.09	-8.09	-23.90
8	2	278	-1.76	-4.87	-4.19	-2.43	-1.28	46.53	12.75	46.36	12.92	-2.43
8	2	282	-1.30	-6.02	-5.73	-1.59	-1.14	114.25	34.82	114.25	34.82	-0.36
8	2	283	-1.94	-5.19	-4.86	-2.27	-0.99	12.81	-8.77	12.26	-8.22	-3.41
8	2	284	-3.05	-3.89	-3.47	-3.47	-0.42	-72.01	-73.32	-72.67	-72.67	-0.65
8	2	285	-2.99	-3.73	-3.57	-3.15	0.31	-15.60	-27.42	-17.04	-25.98	3.87
8	2	286	-2.03	-4.43	-4.27	-2.20	0.61	113.41	35.16	113.40	35.16	0.59

8	2	290	-0.27	-5.71	-3.32	-2.66	-2.70	25.75	5.47	25.74	5.47	0.20
8	2	291	-0.81	-5.56	-3.19	-3.18	-2.38	19.36	-18.27	0.56	0.54	-18.82
8	2	292	-1.91	-5.19	-2.25	-4.85	-1.00	12.84	-8.76	-8.21	12.29	-3.40
8	2	293	-2.16	-5.28	-2.68	-4.75	1.17	21.26	-21.04	-2.11	2.33	21.03
8	2	294	-1.08	-5.78	-3.39	-3.47	2.35	23.46	3.59	23.07	3.99	2.77
8	2	297	-0.47	-5.90	-3.42	-2.95	-2.70	6.45	-3.60	1.44	1.42	-5.03
8	2	298	-0.17	-5.85	-2.66	-3.36	-2.82	25.82	5.48	5.48	25.81	0.21
8	2	299	-1.33	-5.99	-1.62	-5.70	-1.13	114.18	34.79	34.79	114.18	-0.35
8	2	300	-1.50	-6.15	-2.24	-5.42	1.69	47.66	13.77	13.77	47.66	-0.12
8	2	301	-1.22	-7.68	-3.73	-5.17	3.15	3.34	-4.65	-1.15	-0.16	3.97
8	4	267	-1.23	-7.47	-5.17	-3.53	3.01	3.43	-4.62	-5.51e-02	-1.13	3.99
8	4	268	-1.13	-5.77	-3.47	-3.43	2.32	23.51	3.56	3.96	23.12	2.77
8	4	269	-2.04	-4.44	-2.21	-4.27	0.62	113.47	35.17	35.18	113.46	0.59
8	4	270	-1.76	-4.86	-2.44	-4.18	-1.28	46.53	12.75	12.93	46.36	-2.43
8	4	271	-1.36	-6.95	-4.16	-4.15	-2.79	2.36	-6.97	-2.31	-2.30	-4.67
8	4	274	-1.53	-6.11	-5.33	-2.31	1.71	47.68	13.78	47.68	13.78	-0.11
8	4	275	-2.15	-5.27	-4.72	-2.69	1.19	21.23	-21.07	2.31	-2.15	21.03
8	4	276	-2.99	-3.73	-3.16	-3.57	0.31	-15.64	-27.44	-26.00	-17.08	3.86
8	4	277	-2.79	-4.08	-3.44	-3.43	-0.65	15.81	-31.99	-8.09	-8.09	-23.90
8	4	278	-1.76	-4.86	-4.19	-2.43	-1.28	46.53	12.75	46.36	12.92	-2.43
8	4	282	-1.29	-6.02	-5.72	-1.59	-1.14	114.25	34.82	114.25	34.82	-0.36
8	4	283	-1.93	-5.19	-4.86	-2.27	-0.99	12.81	-8.77	12.26	-8.22	-3.41
8	4	284	-3.05	-3.89	-3.47	-3.47	-0.42	-72.01	-73.32	-72.67	-72.67	-0.65
8	4	285	-2.99	-3.73	-3.57	-3.15	0.31	-15.60	-27.42	-17.04	-25.98	3.87
8	4	286	-2.03	-4.43	-4.26	-2.20	0.61	113.41	35.16	113.40	35.16	0.59
8	4	290	-0.27	-5.71	-3.32	-2.66	-2.70	25.75	5.47	25.74	5.47	0.20
8	4	291	-0.80	-5.56	-3.19	-3.17	-2.38	19.36	-18.27	0.56	0.54	-18.82
8	4	292	-1.91	-5.19	-2.25	-4.85	-1.00	12.84	-8.76	-8.21	12.29	-3.40
8	4	293	-2.15	-5.28	-2.68	-4.75	1.17	21.26	-21.04	-2.11	2.33	21.03
8	4	294	-1.08	-5.78	-3.39	-3.47	2.35	23.46	3.59	23.07	3.99	2.77
8	4	297	-0.47	-5.90	-3.42	-2.95	-2.70	6.45	-3.60	1.44	1.42	-5.03
8	4	298	-0.17	-5.85	-2.65	-3.36	-2.82	25.82	5.48	5.48	25.81	0.21
8	4	299	-1.32	-5.99	-1.61	-5.70	-1.13	114.18	34.79	34.79	114.18	-0.35
8	4	300	-1.50	-6.15	-2.23	-5.42	1.69	47.66	13.77	13.77	47.66	-0.12
8	4	301	-1.22	-7.68	-3.72	-5.17	3.15	3.34	-4.65	-1.15	-0.16	3.97
8	17	267	-0.77	-5.74	-3.87	-2.63	2.41	2.02	-2.67	1.64e-02	-0.66	2.32
8	17	268	-0.53	-4.46	-2.57	-2.43	1.96	13.72	2.06	2.29	13.49	1.64
8	17	269	-1.13	-3.21	-1.42	-2.92	0.72	66.46	20.60	20.60	66.46	0.35
8	17	270	-1.13	-3.09	-1.40	-2.82	-0.68	27.28	7.47	7.57	27.17	-1.42
8	17	271	-0.86	-4.31	-2.48	-2.69	-1.72	1.38	-4.08	-1.35	-1.34	-2.73
8	17	274	-0.96	-4.60	-3.87	-1.70	1.46	28.01	8.10	28.01	8.10	-9.27e-02
8	17	275	-1.34	-3.94	-3.38	-1.90	1.07	12.46	-12.32	1.37	-1.24	12.32
8	17	276	-1.80	-2.69	-2.08	-2.41	0.41	-9.17	-16.08	-15.23	-10.02	2.27
8	17	277	-1.86	-2.51	-2.10	-2.28	-0.31	9.27	-18.74	-4.74	-4.74	-14.00
8	17	278	-1.11	-2.97	-2.53	-1.54	-0.79	27.26	7.47	27.16	7.57	-1.42
8	17	282	-0.93	-4.28	-4.10	-1.11	-0.76	67.02	20.41	67.02	20.41	-0.20
8	17	283	-1.34	-3.64	-3.43	-1.55	-0.67	7.56	-5.11	7.24	-4.79	-2.00
8	17	284	-1.96	-2.61	-2.27	-2.30	-0.33	-42.18	-42.95	-42.56	-42.57	-0.39
8	17	285	-1.95	-2.26	-2.17	-2.04	0.14	-9.15	-16.07	-9.99	-15.22	2.27
8	17	286	-1.29	-2.69	-2.60	-1.38	0.34	66.44	20.60	66.44	20.61	0.35
8	17	290	-5.27e-02	-4.07	-2.29	-1.83	-1.99	15.10	3.21	15.09	3.21	0.14
8	17	291	-0.31	-3.94	-2.16	-2.09	-1.82	11.36	-10.70	0.34	0.32	-11.03
8	17	292	-0.95	-3.62	-1.35	-3.21	-0.95	7.52	-5.12	-4.80	7.20	-2.00
8	17	293	-1.32	-3.31	-1.46	-3.17	0.52	12.47	-12.31	-1.22	1.38	12.33
8	17	294	-0.63	-3.34	-1.81	-2.17	1.34	13.70	2.08	13.47	2.31	1.63
8	17	297	-0.20	-4.20	-2.35	-2.05	-1.99	3.79	-2.09	0.86	0.84	-2.94
8	17	298	0.22	-4.15	-1.77	-2.16	-2.17	15.11	3.20	3.20	15.11	0.15
8	17	299	-0.51	-4.16	-0.90	-3.77	-1.13	66.88	20.38	20.38	66.88	-0.20
8	17	300	-0.91	-3.87	-1.14	-3.63	0.79	27.98	8.09	8.09	27.98	-9.32e-02
8	17	301	-0.77	-4.49	-2.02	-3.24	1.76	1.97	-2.69	-0.68	-4.89e-02	2.31
8	31	267	-0.56	-5.67	-3.69	-2.54	2.49	2.02	-2.67	1.58e-02	-0.66	2.32
8	31	268	-0.32	-4.38	-2.38	-2.32	2.03	13.73	2.06	2.29	13.50	1.63
8	31	269	-1.08	-3.19	-1.34	-2.94	0.69	66.50	20.61	20.61	66.50	0.35
8	31	270	-1.10	-3.32	-1.52	-2.91	-0.87	27.27	7.47	7.57	27.17	-1.42
8	31	271	-0.81	-4.80	-2.75	-2.86	-1.99	1.38	-4.07	-1.35	-1.34	-2.73
8	31	274	-0.54	-4.41	-3.44	-1.51	1.68	27.99	8.10	27.99	8.10	-8.81e-02
8	31	275	-0.98	-3.80	-3.05	-1.73	1.25	12.46	-12.32	1.37	-1.23	12.32
8	31	276	-1.67	-2.70	-1.99	-2.38	0.48	-9.15	-16.08	-15.23	-9.99	2.27
8	31	277	-1.87	-2.67	-2.22	-2.32	-0.39	9.26	-18.74	-4.74	-4.74	-14.00
8	31	278	-1.07	-3.27	-2.75	-1.59	-0.93	27.27	7.47	27.17	7.57	-1.42
8	31	282	-0.79	-3.74	-3.72	-0.82	-0.27	66.98	20.42	66.98	20.42	-0.21
8	31	283	-1.28	-3.14	-3.11	-1.31	-0.24	7.53	-5.13	7.21	-4.80	-2.00
8	31	284	-2.14	-2.17	-2.15	-2.16	-1.01e-02	-42.20	-42.97	-42.58	-42.58	-0.39
8	31	285	-1.74	-2.47	-2.25	-1.97	0.34	-9.13	-16.07	-9.98	-15.22	2.27
8	31	286	-1.16	-2.92	-2.77	-1.31	0.49	66.47	20.60	66.47	20.60	0.35
8	31	290	-0.22	-3.01	-1.89	-1.33	-1.37	15.09	3.20	15.08	3.20	0.14
8	31	291	-0.63	-3.02	-1.85	-1.81	-1.19	11.37	-10.71	0.34	0.32	-11.04
8	31	292	-1.12	-3.07	-1.19	-3.00	-0.38	7.51	-5.13	-4.80	7.19	-2.00
8	31	293	-1.01	-3.44	-1.50	-2.96	0.97	12.47	-12.31	-1.21	1.37	12.32

8	31	294	-0.34	-3.82	-1.99	-2.17	1.74	13.71	2.08	13.48	2.31	1.63
8	31	297	-0.15	-2.89	-1.69	-1.35	-1.36	3.79	-2.09	0.86	0.84	-2.94
8	31	298	-5.32e-02	-3.10	-1.31	-1.84	-1.50	15.11	3.21	3.21	15.11	0.14
8	31	299	-0.64	-3.61	-0.71	-3.54	-0.45	66.89	20.39	20.40	66.89	-0.20
8	31	300	-0.52	-3.99	-1.16	-3.35	1.35	27.96	8.09	8.09	27.96	-9.19e-02
8	31	301	-0.45	-5.06	-2.19	-3.33	2.23	1.97	-2.69	-0.68	-4.87e-02	2.31
8	49	267	-0.74	-5.41	-3.70	-2.45	2.25	2.02	-2.67	1.60e-02	-0.66	2.32
8	49	268	-0.55	-4.19	-2.45	-2.30	1.82	13.73	2.06	2.29	13.49	1.63
8	49	269	-1.18	-3.08	-1.40	-2.86	0.60	66.47	20.60	20.61	66.47	0.35
8	49	270	-1.11	-3.14	-1.46	-2.79	-0.77	27.27	7.47	7.58	27.17	-1.42
8	49	271	-0.84	-4.45	-2.59	-2.70	-1.81	1.38	-4.08	-1.35	-1.34	-2.73
8	49	274	-0.93	-4.38	-3.75	-1.56	1.34	28.00	8.10	28.00	8.10	-9.09e-02
8	49	275	-1.32	-3.75	-3.29	-1.79	0.96	12.46	-12.32	1.37	-1.24	12.32
8	49	276	-1.85	-2.58	-2.06	-2.36	0.33	-9.17	-16.08	-15.23	-10.01	2.27
8	49	277	-1.83	-2.58	-2.15	-2.25	-0.37	9.26	-18.74	-4.74	-4.74	-14.00
8	49	278	-1.09	-3.08	-2.63	-1.54	-0.83	27.27	7.47	27.16	7.57	-1.42
8	49	282	-0.83	-4.18	-3.98	-1.03	-0.79	67.00	20.41	67.00	20.41	-0.20
8	49	283	-1.25	-3.57	-3.34	-1.48	-0.69	7.55	-5.12	7.22	-4.80	-2.00
8	49	284	-1.95	-2.58	-2.26	-2.28	-0.32	-42.18	-42.95	-42.56	-42.57	-0.39
8	49	285	-1.93	-2.33	-2.22	-2.04	0.18	-9.14	-16.07	-9.99	-15.22	2.27
8	49	286	-1.27	-2.79	-2.68	-1.38	0.39	66.44	20.60	66.44	20.61	0.35
8	49	290	-1.72e-02	-3.94	-2.20	-1.76	-1.95	15.09	3.21	15.09	3.21	0.14
8	49	291	-0.32	-3.84	-2.10	-2.06	-1.76	11.36	-10.70	0.34	0.32	-11.03
8	49	292	-1.03	-3.55	-1.36	-3.22	-0.85	7.53	-5.12	-4.80	7.20	-2.00
8	49	293	-1.32	-3.40	-1.54	-3.18	0.64	12.47	-12.31	-1.22	1.38	12.32
8	49	294	-0.59	-3.57	-1.94	-2.22	1.48	13.70	2.08	13.47	2.31	1.63
8	49	297	-0.19	-4.05	-2.27	-1.97	-1.92	3.79	-2.09	0.86	0.84	-2.94
8	49	298	0.17	-4.03	-1.72	-2.14	-2.09	15.11	3.20	3.21	15.11	0.15
8	49	299	-0.60	-4.11	-0.91	-3.80	-1.00	66.90	20.39	20.39	66.90	-0.20
8	49	300	-0.90	-3.98	-1.23	-3.65	0.96	27.98	8.09	8.09	27.98	-9.41e-02
8	49	301	-0.74	-4.77	-2.17	-3.35	1.93	1.97	-2.69	-0.68	-4.86e-02	2.31
8	63	267	-0.63	-5.37	-3.60	-2.40	2.30	2.02	-2.67	1.57e-02	-0.66	2.32
8	63	268	-0.43	-4.15	-2.35	-2.24	1.86	13.73	2.06	2.29	13.50	1.63
8	63	269	-1.15	-3.07	-1.35	-2.87	0.59	66.49	20.61	20.61	66.49	0.35
8	63	270	-1.09	-3.27	-1.53	-2.84	-0.88	27.27	7.47	7.57	27.17	-1.42
8	63	271	-0.81	-4.73	-2.74	-2.80	-1.96	1.38	-4.07	-1.35	-1.34	-2.73
8	63	274	-0.70	-4.27	-3.51	-1.46	1.46	27.99	8.10	27.99	8.10	-8.81e-02
8	63	275	-1.13	-3.67	-3.10	-1.70	1.06	12.46	-12.33	1.37	-1.23	12.32
8	63	276	-1.77	-2.58	-2.01	-2.34	0.37	-9.15	-16.08	-15.23	-10.00	2.27
8	63	277	-1.84	-2.66	-2.22	-2.28	-0.41	9.26	-18.74	-4.74	-4.74	-14.00
8	63	278	-1.07	-3.24	-2.75	-1.57	-0.91	27.27	7.47	27.17	7.57	-1.42
8	63	282	-0.77	-3.86	-3.77	-0.86	-0.52	66.98	20.42	66.97	20.42	-0.20
8	63	283	-1.24	-3.27	-3.16	-1.34	-0.45	7.53	-5.13	7.20	-4.80	-2.00
8	63	284	-2.05	-2.33	-2.19	-2.20	-0.14	-42.19	-42.96	-42.58	-42.58	-0.39
8	63	285	-1.81	-2.45	-2.27	-2.00	0.29	-9.14	-16.07	-9.98	-15.22	2.27
8	63	286	-1.19	-2.92	-2.78	-1.34	0.48	66.46	20.60	66.46	20.60	0.35
8	63	290	-0.11	-3.34	-1.98	-1.48	-1.60	15.08	3.20	15.08	3.20	0.14
8	63	291	-0.51	-3.31	-1.92	-1.90	-1.40	11.37	-10.71	0.34	0.32	-11.04
8	63	292	-1.13	-3.24	-1.27	-3.10	-0.53	7.52	-5.13	-4.80	7.20	-2.00
8	63	293	-1.14	-3.48	-1.56	-3.06	0.90	12.47	-12.31	-1.21	1.37	12.32
8	63	294	-0.43	-3.84	-2.04	-2.23	1.70	13.71	2.08	13.47	2.31	1.63
8	63	297	-0.16	-3.31	-1.90	-1.57	-1.57	3.79	-2.09	0.86	0.84	-2.94
8	63	298	1.11e-02	-3.44	-1.46	-1.96	-1.71	15.12	3.21	3.21	15.11	0.15
8	63	299	-0.68	-3.79	-0.80	-3.66	-0.62	66.90	20.39	20.39	66.90	-0.20
8	63	300	-0.67	-4.06	-1.24	-3.49	1.27	27.97	8.09	8.09	27.97	-9.34e-02
8	63	301	-0.56	-5.10	-2.26	-3.40	2.20	1.97	-2.69	-0.68	-4.85e-02	2.31
8	74	267	-0.84	-5.42	-3.76	-2.50	2.20	2.37	-3.17	-1.73e-02	-0.78	2.74
8	74	268	-0.74	-4.19	-2.51	-2.42	1.72	16.19	2.44	2.72	15.92	1.91
8	74	269	-1.43	-3.20	-1.56	-3.07	0.47	78.24	24.25	24.26	78.23	0.41
8	74	270	-1.23	-3.51	-1.73	-3.01	-0.94	32.09	8.79	8.91	31.97	-1.67
8	74	271	-0.95	-5.04	-2.99	-2.99	-2.05	1.63	-4.80	-1.59	-1.59	-3.22
8	74	274	-1.05	-4.44	-3.89	-1.61	1.26	32.90	9.51	32.90	9.51	-8.51e-02
8	74	275	-1.50	-3.83	-3.43	-1.89	0.87	14.65	-14.52	1.60	-1.47	14.50
8	74	276	-2.13	-2.68	-2.26	-2.55	0.23	-10.78	-18.92	-17.93	-11.78	2.66
8	74	277	-1.99	-2.93	-2.47	-2.46	-0.47	10.90	-22.06	-5.58	-5.58	-16.48
8	74	278	-1.23	-3.51	-3.02	-1.73	-0.94	32.09	8.79	31.97	8.91	-1.67
8	74	282	-0.87	-4.38	-4.16	-1.09	-0.86	78.79	24.01	78.79	24.01	-0.24
8	74	283	-1.34	-3.77	-3.52	-1.59	-0.74	8.84	-6.04	8.46	-5.66	-2.35
8	74	284	-2.17	-2.80	-2.49	-2.48	-0.31	-49.65	-50.55	-50.10	-50.10	-0.45
8	74	285	-2.13	-2.68	-2.55	-2.26	0.23	-10.76	-18.91	-11.75	-17.91	2.67
8	74	286	-1.42	-3.20	-3.07	-1.55	0.47	78.20	24.24	78.19	24.25	0.41
8	74	290	-0.11	-4.13	-2.35	-1.88	-1.99	17.75	3.77	17.75	3.77	0.15
8	74	291	-0.50	-4.03	-2.27	-2.26	-1.76	13.36	-12.60	0.39	0.38	-12.98
8	74	292	-1.32	-3.77	-1.58	-3.51	-0.75	8.86	-6.04	-5.66	8.48	-2.35
8	74	293	-1.50	-3.83	-1.88	-3.45	0.86	14.66	-14.50	-1.45	1.61	14.50
8	74	294	-0.70	-4.19	-2.39	-2.51	1.74	16.16	2.47	15.89	2.74	1.91
8	74	297	-0.28	-4.24	-2.43	-2.09	-1.97	4.46	-2.47	1.00	0.98	-3.46
8	74	298	-3.41e-02	-4.22	-1.88	-2.38	-2.08	17.80	3.77	3.78	17.80	0.16
8	74	299	-0.89	-4.36	-1.11	-4.14	-0.85	78.74	23.99	23.99	78.74	-0.24

8	74	300	-1.03	-4.48	-1.56	-3.95	1.24	32.89	9.51	9.51	32.89	-9.35e-02
8	74	301	-0.83	-5.58	-2.65	-3.76	2.30	2.31	-3.19	-0.79	-8.98e-02	2.73
8	76	267	-0.84	-5.42	-3.76	-2.50	2.20	2.37	-3.17	-1.72e-02	-0.78	2.74
8	76	268	-0.74	-4.19	-2.51	-2.42	1.72	16.19	2.44	2.72	15.92	1.91
8	76	269	-1.43	-3.20	-1.56	-3.07	0.47	78.24	24.25	24.26	78.23	0.41
8	76	270	-1.23	-3.51	-1.73	-3.01	-0.94	32.09	8.79	8.91	31.97	-1.67
8	76	271	-0.95	-5.04	-2.99	-2.99	-2.04	1.63	-4.80	-1.59	-1.59	-3.22
8	76	274	-1.05	-4.44	-3.88	-1.61	1.26	32.90	9.51	32.90	9.51	-8.51e-02
8	76	275	-1.50	-3.83	-3.43	-1.89	0.87	14.65	-14.52	1.60	-1.47	14.50
8	76	276	-2.13	-2.68	-2.26	-2.55	0.23	-10.78	-18.92	-17.93	-11.78	2.66
8	76	277	-1.99	-2.93	-2.46	-2.46	-0.47	10.90	-22.06	-5.58	-5.58	-16.48
8	76	278	-1.23	-3.51	-3.02	-1.72	-0.94	32.09	8.79	31.97	8.91	-1.67
8	76	282	-0.86	-4.38	-4.16	-1.09	-0.86	78.79	24.01	78.79	24.01	-0.24
8	76	283	-1.34	-3.77	-3.52	-1.59	-0.74	8.84	-6.04	8.46	-5.66	-2.35
8	76	284	-2.17	-2.80	-2.48	-2.48	-0.31	-49.65	-50.55	-50.10	-50.10	-0.45
8	76	285	-2.13	-2.68	-2.55	-2.26	0.23	-10.76	-18.91	-11.75	-17.91	2.67
8	76	286	-1.42	-3.20	-3.07	-1.55	0.47	78.20	24.24	78.19	24.25	0.41
8	76	290	-0.11	-4.12	-2.35	-1.88	-1.99	17.75	3.77	17.75	3.77	0.15
8	76	291	-0.50	-4.02	-2.27	-2.26	-1.76	13.36	-12.60	0.39	0.38	-12.98
8	76	292	-1.32	-3.76	-1.58	-3.51	-0.75	8.86	-6.04	-5.66	8.48	-2.35
8	76	293	-1.50	-3.83	-1.88	-3.45	0.86	14.66	-14.50	-1.45	1.61	14.50
8	76	294	-0.70	-4.19	-2.39	-2.51	1.74	16.16	2.47	15.89	2.74	1.91
8	76	297	-0.28	-4.24	-2.43	-2.09	-1.97	4.46	-2.47	1.00	0.98	-3.46
8	76	298	-3.30e-02	-4.22	-1.88	-2.38	-2.08	17.80	3.77	3.78	17.80	0.16
8	76	299	-0.89	-4.36	-1.11	-4.14	-0.85	78.74	23.99	23.99	78.74	-0.24
8	76	300	-1.03	-4.48	-1.56	-3.95	1.24	32.89	9.51	9.51	32.89	-9.35e-02
8	76	301	-0.83	-5.57	-2.65	-3.76	2.30	2.31	-3.19	-0.79	-8.98e-02	2.73

M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-7.68	-5.73	-5.70	-2.82		-73.32	-72.67	-72.67	-23.90
			0.22		-0.71	-0.82	3.15	114.25		114.25	114.18	21.03

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

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

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

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

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

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

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale. La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento,* riportando in tabella il rapporto x/d, la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

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

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

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione "*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 Mx Mxy	Sforzi flessionali per gusci orizzontali

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

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

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione

Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

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

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

Dist.	Distanza alla base tra le armature inclinate

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

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

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

PROGETTAZIONE DELLE FONDAZIONI

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

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

quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
[…];
quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD"A" e 1,10 in CD"B";
Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.
La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando 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.

Vasca per alloggiamento di sollevamento

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	50.00	3	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
1	ok	0.09	0.2	7.39e-03	7.7	7.7	7.7	7.7	59.2	52.5	-97.0	264.6	252.6	-67.7
2	ok	0.09	0.2	1.51e-02	7.7	7.7	7.7	7.7	47.5	-28.5	-61.7	-782.2	-1199.1	557.2
3	ok	0.09	0.3	2.54e-02	7.7	7.7	7.7	7.7	-28.2	-129.8	-65.4	-2038.2	-3537.9	586.5
4	ok	0.09	0.4	3.55e-02	7.7	7.7	7.7	7.7	-105.7	-198.6	-69.9	-2569.7	-5670.6	460.3
5	ok	0.09	0.4	4.19e-02	7.7	7.7	7.7	7.7	-158.8	-238.3	-71.4	-2764.8	-7117.9	279.1
6	ok	0.09	0.4	4.42e-02	7.7	7.7	7.7	7.7	-181.2	-253.3	-70.9	-2820.4	-7695.1	76.0
7	ok	0.09	0.4	4.28e-02	7.7	7.7	7.7	7.7	-171.7	-245.0	68.2	-2769.9	-7341.7	-259.6
8	ok	0.09	0.4	3.77e-02	7.7	7.7	7.7	7.7	-131.5	-211.3	68.1	-2562.3	-6074.5	-454.8
9	ok	0.09	0.3	2.86e-02	7.7	7.7	7.7	7.7	-64.2	-146.7	65.6	-1998.3	-4007.3	-602.4
10	ok	0.09	0.2	1.81e-02	7.7	7.7	7.7	7.7	10.5	-42.1	64.0	-719.2	-1532.7	-600.0
11	ok	0.09	0.2	8.39e-03	7.7	7.7	7.7	7.7	31.1	55.8	99.5	105.7	-82.3	53.6
12	ok	0.09	0.2	1.49e-02	7.7	7.7	7.7	7.7	-28.4	28.6	-68.5	-1283.2	-738.3	570.4
13	ok	0.09	0.3	1.91e-02	7.7	7.7	7.7	7.7	-51.5	-54.1	-11.8	-1897.5	-1832.5	2181.4
14	ok	0.09	0.3	2.79e-02	7.7	7.7	7.7	7.7	-73.4	-122.4	25.2	-2175.9	-2905.7	1910.3
15	ok	0.09	0.3	3.39e-02	7.7	7.7	7.7	7.7	-94.7	-188.1	15.0	-2222.0	-4332.2	1385.5
16	ok	0.09	0.3	3.70e-02	7.7	7.7	7.7	7.7	-114.1	-227.9	-4.7	-2211.1	-5342.0	739.7
17	ok	0.09	0.3	3.74e-02	7.7	7.7	7.7	7.7	-124.7	-241.0	9.3	-2345.5	-5628.9	-5.7
18	ok	0.09	0.3	3.75e-02	7.7	7.7	7.7	7.7	-115.7	-234.6	9.6	-2185.4	-5500.2	-744.4
19	ok	0.09	0.3	3.50e-02	7.7	7.7	7.7	7.7	-99.1	-201.0	-10.7	-2144.1	-4606.5	-1415.8
20	ok	0.09	0.3	2.94e-02	7.7	7.7	7.7	7.7	-77.4	-138.5	-23.6	-2006.5	-3198.8	-1953.6
21	ok	0.09	0.3	2.07e-02	7.7	7.7	7.7	7.7	-51.8	-65.1	5.9	-1664.4	-1959.8	-2159.3
22	ok	0.09	0.2	1.60e-02	7.7	7.7	7.7	7.7	-35.6	33.5	66.7	-815.8	-811.9	-531.7
23	ok	0.09	0.3	2.67e-02	7.7	7.7	7.7	7.7	-132.2	-50.1	-73.1	-3775.3	-1969.2	604.7
24	ok	0.09	0.3	2.78e-02	7.7	7.7	7.7	7.7	-124.0	-83.1	20.7	-3061.3	-2079.9	1964.4
25	ok	0.09	0.2	2.83e-02	7.7	7.7	7.7	7.7	-123.4	-125.0	62.2	-2782.0	-2627.0	1131.0
26	ok	0.09	0.2	3.09e-02	7.7	7.7	7.7	7.7	-120.6	-168.3	53.9	-2602.2	-3256.3	696.5

27	ok	0.09	0.2	3.21e-02	7.7	7.7	7.7	7.7	-119.1	-200.2	32.4	-2513.8	-3743.7	320.0
28	ok	0.09	0.2	3.25e-02	7.7	7.7	7.7	7.7	-118.0	-213.9	5.5	-2483.1	-3943.9	-43.7
29	ok	0.09	0.2	3.23e-02	7.7	7.7	7.7	7.7	-117.9	-207.7	-21.3	-2482.6	-3807.6	-406.9
30	ok	0.09	0.2	3.11e-02	7.7	7.7	7.7	7.7	-116.8	-181.1	-44.1	-2487.4	-3354.3	-771.6
31	ok	0.09	0.2	2.83e-02	7.7	7.7	7.7	7.7	-117.0	-138.9	-55.4	-2484.2	-2699.0	-1151.2
32	ok	0.09	0.3	2.70e-02	7.7	7.7	7.7	7.7	-113.0	-88.1	-23.1	-2458.8	-2039.0	-1807.5
33	ok	0.09	0.2	2.60e-02	7.7	7.7	7.7	7.7	-123.4	-49.8	72.8	-2581.3	-1803.5	-530.0
34	ok	0.09	0.4	3.79e-02	7.7	7.7	7.7	7.7	-202.8	-128.7	-77.5	-6069.3	-2486.3	485.8
35	ok	0.09	0.3	3.41e-02	7.7	7.7	7.7	7.7	-192.7	-108.5	9.4	-4579.9	-2105.6	1487.2
36	ok	0.09	0.2	3.12e-02	7.7	7.7	7.7	7.7	-171.9	-125.0	52.3	-3471.5	-2425.7	740.4
37	ok	0.09	0.2	2.99e-02	7.7	7.7	7.7	7.7	-154.4	-151.9	46.4	-2915.9	-2690.6	368.8
38	ok	0.09	0.2	2.88e-02	7.7	7.7	7.7	7.7	-141.4	-175.4	28.6	-2665.2	-2888.9	128.2
39	ok	0.09	0.2	2.84e-02	7.7	7.7	7.7	7.7	-136.2	-186.9	4.8	-2583.4	-2960.9	-59.7
40	ok	0.09	0.2	2.87e-02	7.7	7.7	7.7	7.7	-136.3	-182.3	-18.6	-2608.3	-2882.3	-239.3
41	ok	0.09	0.2	2.92e-02	7.7	7.7	7.7	7.7	-143.1	-163.3	-37.6	-2724.5	-2656.9	-454.4
42	ok	0.09	0.2	2.92e-02	7.7	7.7	7.7	7.7	-155.2	-136.6	-45.6	-2983.4	-2326.4	-752.8
43	ok	0.09	0.3	3.13e-02	7.7	7.7	7.7	7.7	-168.4	-112.2	-10.2	-3542.9	-1900.9	-1308.7
44	ok	0.09	0.3	3.56e-02	7.7	7.7	7.7	7.7	-178.0	-126.0	77.0	-4129.8	-2059.0	-409.6
45	ok	0.09	0.4	4.47e-02	7.7	7.7	7.7	7.7	-245.2	-183.4	-78.2	-7693.9	-2666.5	314.0
46	ok	0.09	0.3	3.77e-02	7.7	7.7	7.7	7.7	-235.7	-130.9	-9.6	-5695.5	-2070.3	894.1
47	ok	0.09	0.3	3.31e-02	7.7	7.7	7.7	7.7	-207.9	-125.9	31.4	-4024.7	-2300.1	407.0
48	ok	0.09	0.2	2.98e-02	7.7	7.7	7.7	7.7	-183.3	-140.0	28.7	-3158.2	-2400.6	167.3
49	ok	0.09	0.2	2.70e-02	7.7	7.7	7.7	7.7	-164.4	-156.7	17.9	-2756.1	-2452.9	33.5
50	ok	0.09	0.2	2.53e-02	7.7	7.7	7.7	7.7	-156.3	-166.1	2.6	-2623.0	-2454.6	-51.8
51	ok	0.09	0.2	2.64e-02	7.7	7.7	7.7	7.7	-156.9	-163.3	-12.0	-2673.3	-2398.9	-128.8
52	ok	0.09	0.2	2.79e-02	7.7	7.7	7.7	7.7	-167.1	-150.7	-23.4	-2894.6	-2277.3	-239.3
53	ok	0.09	0.2	2.98e-02	7.7	7.7	7.7	7.7	-183.9	-136.6	-27.1	-3368.7	-2082.7	-420.4
54	ok	0.09	0.3	3.34e-02	7.7	7.7	7.7	7.7	-200.6	-133.8	7.0	-4294.9	-1749.5	-769.0
55	ok	0.09	0.3	4.09e-02	7.7	7.7	7.7	7.7	-207.8	-176.0	76.3	-5165.0	-2045.0	-264.2
56	ok	0.09	0.5	4.74e-02	7.7	7.7	7.7	7.7	-268.1	-209.4	-73.3	-8471.6	-2710.7	121.1
57	ok	0.09	0.4	3.91e-02	7.7	7.7	7.7	7.7	-255.6	-143.0	-28.7	-6237.2	-2033.7	241.6
58	ok	0.09	0.3	3.43e-02	7.7	7.7	7.7	7.7	-225.6	-126.5	6.4	-4302.3	-2227.9	87.6
59	ok	0.09	0.2	3.03e-02	7.7	7.7	7.7	7.7	-198.6	-134.0	6.5	-3276.5	-2267.0	21.1
60	ok	0.09	0.2	2.71e-02	7.7	7.7	7.7	7.7	-177.3	-147.3	4.1	-2791.7	-2262.9	-13.2
61	ok	0.09	0.2	2.55e-02	7.7	7.7	7.7	7.7	-166.3	-155.0	0.6	-2630.8	-2236.4	-30.7
62	ok	0.09	0.2	2.58e-02	7.7	7.7	7.7	7.7	-168.8	-154.0	-3.8	-2692.9	-2189.0	-43.6
63	ok	0.09	0.2	2.75e-02	7.7	7.7	7.7	7.7	-180.2	-144.7	-6.2	-2970.4	-2105.8	-66.6
64	ok	0.09	0.2	3.00e-02	7.7	7.7	7.7	7.7	-198.0	-137.1	-6.4	-3553.1	-1959.6	-109.9
65	ok	0.09	0.3	3.33e-02	7.7	7.7	7.7	7.7	-214.7	-145.5	22.1	-4640.1	-1663.6	-218.2
66	ok	0.09	0.3	4.26e-02	7.7	7.7	7.7	7.7	-224.5	-199.1	69.4	-5634.0	-1999.3	-115.5
67	ok	0.09	0.5	4.76e-02	7.7	7.7	7.7	7.7	-251.3	-202.7	55.7	-8411.3	-2686.9	-168.1
68	ok	0.09	0.4	3.97e-02	7.7	7.7	7.7	7.7	-252.2	-145.4	-42.4	-6158.6	-1997.4	-431.6
69	ok	0.09	0.3	3.48e-02	7.7	7.7	7.7	7.7	-225.0	-127.2	-20.7	-4253.3	-2199.5	-223.3
70	ok	0.09	0.2	3.08e-02	7.7	7.7	7.7	7.7	-197.5	-135.9	-18.9	-3249.7	-2244.1	-109.9
71	ok	0.09	0.2	2.77e-02	7.7	7.7	7.7	7.7	-176.2	-149.8	-12.8	-2775.5	-2248.5	-47.5
72	ok	0.09	0.2	2.57e-02	7.7	7.7	7.7	7.7	-165.2	-157.8	-4.8	-2616.2	-2229.2	-7.9
73	ok	0.09	0.2	2.55e-02	7.7	7.7	7.7	7.7	-167.9	-156.1	2.8	-2672.3	-2183.9	31.7
74	ok	0.09	0.2	2.74e-02	7.7	7.7	7.7	7.7	-179.2	-146.1	9.5	-2939.6	-2100.6	93.2
75	ok	0.09	0.2	3.00e-02	7.7	7.7	7.7	7.7	-197.6	-136.9	11.7	-3506.5	-1954.3	192.3
76	ok	0.09	0.3	3.36e-02	7.7	7.7	7.7	7.7	-209.2	-135.7	-24.1	-4565.0	-1658.1	380.5
77	ok	0.09	0.3	4.22e-02	7.7	7.7	7.7	7.7	-208.3	-192.1	-64.2	-5615.6	-2008.7	146.9
78	ok	0.09	0.5	4.13e-02	7.7	7.7	7.7	7.7	-231.5	-187.5	46.6	-7827.1	-2595.5	-272.2
79	ok	0.09	0.3	4.09e-02	7.7	7.7	7.7	7.7	-245.1	-124.0	2.7	-5725.3	-1962.6	-862.2
80	ok	0.09	0.2	3.44e-02	7.7	7.7	7.7	7.7	-213.5	-125.5	-35.3	-4032.6	-2186.6	-424.0
81	ok	0.09	0.2	3.09e-02	7.7	7.7	7.7	7.7	-187.2	-139.4	-32.2	-3147.3	-2276.2	-205.8
82	ok	0.09	0.2	2.80e-02	7.7	7.7	7.7	7.7	-167.5	-156.1	-21.0	-2732.7	-2326.4	-82.8
83	ok	0.09	0.2	2.57e-02	7.7	7.7	7.7	7.7	-157.3	-165.3	-6.0	-2591.9	-2333.9	-1.7
84	ok	0.09	0.2	2.59e-02	7.7	7.7	7.7	7.7	-159.6	-163.1	8.3	-2635.6	-2288.9	81.3
85	ok	0.09	0.2	2.78e-02	7.7	7.7	7.7	7.7	-170.1	-150.7	20.6	-2858.8	-2184.2	198.6
86	ok	0.09	0.2	3.03e-02	7.7	7.7	7.7	7.7	-188.2	-136.3	24.9	-3344.6	-2010.1	384.0
87	ok	0.09	0.3	3.53e-02	7.7	7.7	7.7	7.7	-209.1	-128.5	-10.9	-4287.1	-1698.0	712.2
88	ok	0.09	0.3	3.67e-02	7.7	7.7	7.7	7.7	-192.8	-179.0	-55.1	-5247.2	-2014.8	219.9
89	ok	0.09	0.4	4.33e-02	7.7	7.7	7.7	7.7	-219.5	-167.1	-60.2	-7397.7	-2569.9	-274.9
90	ok	0.09	0.3	4.00e-02	7.7	7.7	7.7	7.7	-228.2	-129.5	-18.0	-5442.2	-1981.3	-1088.5
91	ok	0.09	0.2	3.53e-02	7.7	7.7	7.7	7.7	-203.0	-123.7	-45.2	-3875.0	-2214.1	-539.9
92	ok	0.09	0.2	3.14e-02	7.7	7.7	7.7	7.7	-178.7	-141.0	-38.7	-3078.9	-2332.2	-264.8
93	ok	0.09	0.2	2.85e-02	7.7	7.7	7.7	7.7	-159.4	-161.1	-24.5	-2699.0	-2414.1	-116.5
94	ok	0.09	0.2	2.64e-02	7.7	7.7	7.7	7.7	-153.9	-171.7	-8.3	-2573.6	-2446.2	5.1
95	ok	0.09	0.2	2.66e-02	7.7	7.7	7.7	7.7	-154.0	-168.9	10.9	-2609.3	-2400.7	116.2
96	ok	0.09	0.2	2.83e-02	7.7	7.7	7.7	7.7	-162.9	-154.5	26.1	-2798.2	-2272.2	267.6
97	ok	0.09	0.2	3.10e-02	7.7	7.7	7.7	7.7	-179.4	-136.4	37.6	-3228.3	-2071.1	492.9
98	ok	0.09	0.3	3.46e-02	7.7	7.7	7.7	7.7	-196.0	-134.8	10.3	-4091.8	-1734.6	911.9
99	ok	0.09	0.3	4.05e-02	7.7	7.7	7.7	7.7	-184.7	-160.2	52.7	-4988.8	-2049.8	192.5
100	ok	0.09	0.3	3.39e-02	7.7	7.7	7.7	7.7	-193.5	-110.4	59.7	-5515.0	-2245.5	-520.8
101	ok	0.09	0.3	3.33e-02	7.7	7.7	7.7	7.7	-175.9	-96.7	-28.4	-4191.3	-1960.2	-1640.0
102	ok	0.09	0.2	3.22e-02	7.7	7.7	7.7	7.7	-166.5	-122.3	-68.0	-3266.3	-2277.6	-899.8
103	ok	0.09	0.2	3.15e-02	7.7	7.7	7.7	7.7	-148.0	-154.2	-55.0	-2815.3	-2625.7	-492.3
104	ok	0.09	0.2	3.04e-02	7.7	7.7	7.7	7.7	-137.8	-180.7	-34.8	-2594.8	-2895.1	-232.4
105	ok	0.09	0.2	2.95e-02	7.7	7.7	7.7	7.7	-135.5	-193.9	-10.3	-2510.7	-3014.1	-12.0

106	ok	0.09	0.2	2.95e-02	7.7	7.7	7.7	7.7	-135.0	-189.7	16.7	-2513.5	-2945.6	216.5
107	ok	0.09	0.2	2.98e-02	7.7	7.7	7.7	7.7	-139.3	-169.0	39.1	-2591.7	-2694.3	480.7
108	ok	0.09	0.2	2.94e-02	7.7	7.7	7.7	7.7	-147.4	-138.2	49.9	-2783.6	-2322.1	819.7
109	ok	0.09	0.3	2.94e-02	7.7	7.7	7.7	7.7	-155.0	-103.4	21.9	-3215.1	-1889.4	1426.0
110	ok	0.09	0.3	3.31e-02	7.7	7.7	7.7	7.7	-174.0	-105.3	-69.5	-3725.8	-1976.5	441.8
111	ok	0.09	0.2	2.34e-02	7.7	7.7	7.7	7.7	-95.6	-27.5	52.4	-3136.4	-1532.7	-595.1
112	ok	0.09	0.3	2.61e-02	7.7	7.7	7.7	7.7	-106.8	-63.2	-20.5	-2709.2	-1821.4	-2004.4
113	ok	0.09	0.2	2.83e-02	7.7	7.7	7.7	7.7	-114.0	-117.2	-63.6	-2594.4	-2443.5	-1323.9
114	ok	0.09	0.2	3.13e-02	7.7	7.7	7.7	7.7	-115.1	-168.5	-56.9	-2495.3	-3246.9	-904.2
115	ok	0.09	0.2	3.29e-02	7.7	7.7	7.7	7.7	-119.2	-204.4	-34.5	-2416.7	-3879.8	-493.5
116	ok	0.09	0.3	3.33e-02	7.7	7.7	7.7	7.7	-123.6	-221.5	-5.1	-2368.6	-4164.9	-59.6
117	ok	0.09	0.3	3.31e-02	7.7	7.7	7.7	7.7	-122.0	-215.8	22.9	-2340.2	-4037.0	393.3
118	ok	0.09	0.2	3.15e-02	7.7	7.7	7.7	7.7	-116.9	-187.9	46.8	-2316.8	-3508.9	834.5
119	ok	0.09	0.2	2.80e-02	7.7	7.7	7.7	7.7	-111.2	-141.0	55.0	-2266.6	-2724.5	1225.4
120	ok	0.09	0.3	2.47e-02	7.7	7.7	7.7	7.7	-103.3	-75.9	10.1	-2096.6	-1948.8	1822.6
121	ok	0.09	0.2	2.24e-02	7.7	7.7	7.7	7.7	-94.0	-20.2	-60.5	-2114.0	-1565.8	526.2
122	ok	0.09	0.2	1.23e-02	7.7	7.7	7.7	7.7	-43.1	16.0	38.7	-1599.8	-660.6	-493.3
123	ok	0.09	0.2	1.55e-02	7.7	7.7	7.7	7.7	-64.1	20.2	-62.6	-1014.7	-895.5	489.0
124	ok	0.09	0.3	2.37e-02	7.7	7.7	7.7	7.7	-58.4	-73.3	7.6	-1665.7	-1919.9	2101.6
125	ok	0.09	0.3	3.01e-02	7.7	7.7	7.7	7.7	-82.8	-138.3	26.3	-1926.3	-3064.5	1861.0
126	ok	0.09	0.3	3.52e-02	7.7	7.7	7.7	7.7	-105.5	-200.1	12.3	-2044.9	-4463.6	1312.5
127	ok	0.09	0.3	3.73e-02	7.7	7.7	7.7	7.7	-124.6	-233.4	-8.2	-2104.9	-5398.6	629.0
128	ok	0.09	0.3	3.70e-02	7.7	7.7	7.7	7.7	-136.5	-240.6	23.5	-2166.3	-5699.7	-141.4
129	ok	0.09	0.3	3.62e-02	7.7	7.7	7.7	7.7	-125.9	-223.3	2.5	-2245.1	-5305.1	-821.9
130	ok	0.09	0.3	3.23e-02	7.7	7.7	7.7	7.7	-100.2	-181.7	-16.2	-2297.1	-4263.5	-1390.0
131	ok	0.09	0.3	2.52e-02	7.7	7.7	7.7	7.7	-66.0	-115.7	-27.4	-2196.0	-2761.6	-1807.5
132	ok	0.09	0.2	1.75e-02	7.7	7.7	7.7	7.7	-44.2	-40.6	-1.6	-1653.1	-1455.5	-1938.1
133	ok	0.09	0.1	1.20e-02	7.7	7.7	7.7	7.7	-49.3	17.4	56.1	-992.6	-141.6	-220.2
134	ok	0.09	0.2	7.17e-03	7.7	7.7	7.7	7.7	57.8	41.1	87.8	245.6	239.9	62.2
135	ok	0.09	0.2	1.53e-02	7.7	7.7	7.7	7.7	52.6	-31.0	65.2	-809.8	-1064.3	-397.0
136	ok	0.09	0.2	2.54e-02	7.7	7.7	7.7	7.7	-24.7	-126.9	72.6	-2114.5	-3311.4	-433.0
137	ok	0.09	0.3	3.65e-02	7.7	7.7	7.7	7.7	-106.2	-194.4	79.1	-2643.8	-5411.3	-379.1
138	ok	0.09	0.4	4.32e-02	7.7	7.7	7.7	7.7	-167.5	-234.8	80.8	-2794.2	-6871.0	-263.9
139	ok	0.09	0.4	4.55e-02	7.7	7.7	7.7	7.7	-196.9	-250.9	77.5	-2791.6	-7476.8	-101.7
140	ok	0.09	0.4	4.35e-02	7.7	7.7	7.7	7.7	-188.7	-239.8	-69.8	-2705.9	-7162.2	220.8
141	ok	0.09	0.4	3.82e-02	7.7	7.7	7.7	7.7	-146.7	-207.6	-70.1	-2489.4	-5942.8	424.8
142	ok	0.09	0.3	2.87e-02	7.7	7.7	7.7	7.7	-74.8	-144.6	-67.1	-1947.3	-3926.3	600.7
143	ok	0.09	0.2	1.70e-02	7.7	7.7	7.7	7.7	5.4	-43.2	-64.5	-725.6	-1498.5	623.3
144	ok	0.09	0.2	8.54e-03	7.7	7.7	7.7	7.7	28.4	67.6	-94.7	313.6	159.8	-34.9

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
								-268.08	-253.30	-96.97	-8471.59	-7695.09	-2159.28
	0.09	0.48	0.05	7.70	7.70	7.70	7.70	59.16	67.57	99.53	313.56	252.63	2181.35

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
1	ok	1.24						
2	ok	1.90						
3	ok	2.63						
4	ok	2.30						
5	ok	1.94						
6	ok	1.86						
7	ok	1.97						
8	ok	2.32						
9	ok	2.71						
10	ok	2.04						
11	ok	1.29						
12	ok	1.96						
13	ok	1.20						
14	ok	1.38						
15	ok	1.80						
16	ok	2.07						
17	ok	2.14						
18	ok	2.06						
19	ok	1.82						
20	ok	1.44						
21	ok	1.23						
22	ok	1.93						
23	ok	2.76						
24	ok	1.46						
25	ok	0.54						
26	ok	1.01						
27	ok	1.35						
28	ok	1.46						
29	ok	1.36						
30	ok	1.09						
31	ok	0.63						
32	ok	0.78						

33	ok	2.57
34	ok	2.53
35	ok	1.94
36	ok	1.06
37	ok	0.82
38	ok	0.91
39	ok	0.98
40	ok	0.93
41	ok	0.77
42	ok	0.70
43	ok	1.12
44	ok	2.18
45	ok	2.23
46	ok	2.28
47	ok	1.45
48	ok	0.96
49	ok	0.76
50	ok	0.66
51	ok	0.69
52	ok	0.75
53	ok	0.93
54	ok	1.38
55	ok	1.42
56	ok	2.17
57	ok	2.46
58	ok	1.66
59	ok	1.07
60	ok	0.69
61	ok	0.45
62	ok	0.55
63	ok	0.75
64	ok	1.08
65	ok	1.53
66	ok	1.23
67	ok	2.26
68	ok	2.47
69	ok	1.70
70	ok	1.14
71	ok	0.76
72	ok	0.49
73	ok	0.60
74	ok	0.81
75	ok	1.12
76	ok	1.54
77	ok	1.34
78	ok	2.33
79	ok	2.27
80	ok	1.50
81	ok	0.98
82	ok	0.68
83	ok	0.51
84	ok	0.58
85	ok	0.72
86	ok	0.98
87	ok	1.40
88	ok	1.48
89	ok	2.42
90	ok	2.38
91	ok	1.57
92	ok	1.05
93	ok	0.76
94	ok	0.67
95	ok	0.67
96	ok	0.75
97	ok	1.01
98	ok	1.46
99	ok	1.63
100	ok	2.66
101	ok	1.93
102	ok	1.04
103	ok	0.81
104	ok	0.98
105	ok	1.09
106	ok	1.03
107	ok	0.82
108	ok	0.67
109	ok	1.12
110	ok	2.31
111	ok	2.57

112	ok	1.36
113	ok	0.64
114	ok	1.18
115	ok	1.51
116	ok	1.61
117	ok	1.48
118	ok	1.19
119	ok	0.72
120	ok	0.84
121	ok	2.43
122	ok	2.10
123	ok	1.99
124	ok	1.23
125	ok	1.42
126	ok	1.82
127	ok	2.09
128	ok	2.19
129	ok	2.11
130	ok	1.79
131	ok	1.28
132	ok	1.46
133	ok	1.42
134	ok	1.48
135	ok	2.00
136	ok	2.78
137	ok	2.53
138	ok	2.10
139	ok	1.90
140	ok	1.91
141	ok	2.16
142	ok	2.54
143	ok	1.87
144	ok	1.16

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.78						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	50.00	3	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
335	ok	0.09	8.28e-02	9.05e-02	7.7	7.7	7.7	7.7	-413.9	-373.8	-218.5	1004.5	-606.1	-16.0
336	ok	0.09	0.5	2.12e-02	7.7	7.7	7.7	7.7	-45.2	306.4	123.2	303.8	-107.8	-110.8
337	ok	0.09	6.36e-02	2.20e-02	7.7	7.7	7.7	7.7	-127.0	-42.8	-43.6	-239.9	-802.7	134.3
338	ok	0.09	0.1	2.23e-02	7.7	7.7	7.7	7.7	-112.5	-74.4	-45.4	-427.9	-1359.5	76.1
339	ok	0.09	0.1	2.02e-02	7.7	7.7	7.7	7.7	-82.3	-75.3	9.9	-491.8	-1522.7	-11.6
340	ok	0.09	0.1	1.66e-02	7.7	7.7	7.7	7.7	-63.5	-70.5	8.1	-488.9	-1404.2	-40.0
341	ok	0.09	9.51e-02	1.38e-02	7.7	7.7	7.7	7.7	-47.9	-68.2	5.7	-477.6	-1236.9	-57.9
342	ok	0.09	8.08e-02	1.18e-02	7.7	7.7	7.7	7.7	-30.7	-63.2	9.0	-441.9	-1011.9	-75.2
343	ok	0.09	5.47e-02	9.38e-03	7.7	7.7	7.7	7.7	-6.4	-40.8	17.9	-330.1	-622.6	-88.0
344	ok	0.09	9.03e-02	4.50e-03	7.7	7.7	7.7	7.7	14.9	6.7	38.6	-104.4	-103.5	21.3
346	ok	0.09	6.93e-02	0.1	7.7	7.7	7.7	7.7	-258.4	-361.5	-217.9	189.8	-96.9	245.1
347	ok	0.09	0.2	6.54e-02	7.7	7.7	7.7	7.7	-373.7	29.4	-181.4	-161.2	-196.8	403.7
348	ok	0.09	4.61e-02	2.74e-02	7.7	7.7	7.7	7.7	-138.8	-49.6	-67.1	-259.3	-239.9	354.4
349	ok	0.09	5.19e-02	2.11e-02	7.7	7.7	7.7	7.7	-90.7	-76.6	-55.8	-202.8	-587.9	185.9
350	ok	0.09	5.73e-02	1.94e-02	7.7	7.7	7.7	7.7	-68.7	-82.6	-40.9	-271.7	-698.0	26.4
351	ok	0.09	5.51e-02	1.89e-02	7.7	7.7	7.7	7.7	-57.4	-79.8	-37.9	-303.5	-655.0	-38.3
352	ok	0.09	5.30e-02	1.75e-02	7.7	7.7	7.7	7.7	-52.1	-75.6	-26.7	-313.0	-598.7	-112.7
353	ok	0.09	5.15e-02	1.59e-02	7.7	7.7	7.7	7.7	-48.3	-66.0	-23.9	-378.6	-512.4	-164.4
354	ok	0.09	5.37e-02	1.41e-02	7.7	7.7	7.7	7.7	-44.0	-47.9	-12.0	-479.5	-435.5	-228.3
355	ok	0.09	6.47e-02	9.03e-03	7.7	7.7	7.7	7.7	-30.7	-18.1	26.5	-663.4	-292.9	-110.1
357	ok	0.09	0.3	5.55e-02	7.7	7.7	7.7	7.7	-23.2	-263.3	-142.4	-1714.6	-384.2	342.5
358	ok	0.09	0.2	4.74e-02	7.7	7.7	7.7	7.7	-88.4	-166.0	-177.3	-797.1	-183.6	672.4
359	ok	0.09	8.44e-02	3.10e-02	7.7	7.7	7.7	7.7	-77.8	-57.0	-89.6	285.5	479.1	-151.2
360	ok	0.09	5.69e-02	2.38e-02	7.7	7.7	7.7	7.7	-56.2	-65.9	-60.7	608.4	511.8	-67.4
361	ok	0.09	5.83e-02	2.10e-02	7.7	7.7	7.7	7.7	-48.7	-70.6	-46.7	685.0	466.0	79.1
362	ok	0.09	5.58e-02	1.98e-02	7.7	7.7	7.7	7.7	-47.0	-68.5	-41.5	597.0	413.3	154.0
363	ok	0.09	5.16e-02	1.89e-02	7.7	7.7	7.7	7.7	-46.6	-65.6	-43.0	471.0	360.7	197.1
364	ok	0.09	4.62e-02	1.77e-02	7.7	7.7	7.7	7.7	-62.2	-77.1	-45.9	-514.4	-266.7	-82.3
365	ok	0.09	6.46e-02	1.73e-02	7.7	7.7	7.7	7.7	-63.8	-68.3	-22.0	-739.1	-278.8	-209.0
366	ok	0.09	0.1	1.43e-02	7.7	7.7	7.7	7.7	-66.5	-65.3	26.4	-1394.6	-417.5	-108.3
368	ok	0.09	0.4	3.50e-02	7.7	7.7	7.7	7.7	101.5	-179.8	-74.4	-3204.2	-573.3	242.0

369	ok	0.09	0.3	3.74e-02	7.7	7.7	7.7	7.7	39.2	-175.4	-151.5	-1728.6	-154.2	516.5
370	ok	0.09	0.1	2.96e-02	7.7	7.7	7.7	7.7	-14.3	-133.2	-108.2	-747.9	-97.0	150.1
371	ok	0.09	8.66e-02	2.42e-02	7.7	7.7	7.7	7.7	-33.4	-108.0	-78.3	784.2	715.7	-81.0
372	ok	0.09	6.93e-02	2.12e-02	7.7	7.7	7.7	7.7	-48.5	-102.9	-58.3	899.8	717.0	37.9
373	ok	0.09	6.46e-02	2.00e-02	7.7	7.7	7.7	7.7	-56.2	-99.3	-50.2	748.2	650.1	98.7
374	ok	0.09	5.76e-02	1.93e-02	7.7	7.7	7.7	7.7	-47.0	-75.6	-37.5	588.5	560.7	130.7
375	ok	0.09	5.35e-02	1.87e-02	7.7	7.7	7.7	7.7	-51.4	-75.1	-32.4	341.4	472.3	145.4
376	ok	0.09	8.00e-02	1.91e-02	7.7	7.7	7.7	7.7	-79.2	-89.8	-40.7	-1039.9	-192.2	-152.3
377	ok	0.09	0.1	1.85e-02	7.7	7.7	7.7	7.7	-84.7	-107.3	23.8	-1921.6	-422.6	-76.4
379	ok	0.09	0.5	2.67e-02	7.7	7.7	7.7	7.7	149.6	-156.2	-20.2	-4188.2	-716.6	140.2
380	ok	0.09	0.3	2.89e-02	7.7	7.7	7.7	7.7	97.8	-170.5	-57.1	-2296.3	-194.1	321.2
381	ok	0.09	0.1	2.63e-02	7.7	7.7	7.7	7.7	37.7	-152.8	-69.6	-983.2	-118.6	88.7
382	ok	0.09	8.50e-02	2.27e-02	7.7	7.7	7.7	7.7	0.2	-126.9	-54.2	872.3	764.9	-57.6
383	ok	0.09	7.60e-02	1.99e-02	7.7	7.7	7.7	7.7	-33.8	-115.5	-40.1	1027.7	809.4	12.7
384	ok	0.09	6.75e-02	1.89e-02	7.7	7.7	7.7	7.7	-48.3	-110.4	-34.9	846.2	754.4	53.6
385	ok	0.09	5.94e-02	1.85e-02	7.7	7.7	7.7	7.7	-45.3	-85.6	-24.0	656.6	652.3	68.1
386	ok	0.09	5.89e-02	1.83e-02	7.7	7.7	7.7	7.7	-52.0	-86.4	-20.4	362.7	566.0	77.8
387	ok	0.09	8.90e-02	1.95e-02	7.7	7.7	7.7	7.7	-81.4	-109.8	-17.8	-1196.6	-156.0	-59.0
388	ok	0.09	0.2	2.41e-02	7.7	7.7	7.7	7.7	-93.9	-135.4	-21.6	-2272.1	-416.7	-26.6
390	ok	0.09	0.5	1.93e-02	7.7	7.7	7.7	7.7	169.0	-93.7	20.2	-4868.9	-573.3	46.6
391	ok	0.09	0.3	2.54e-02	7.7	7.7	7.7	7.7	122.7	-171.2	-5.2	-2551.3	-246.7	83.6
392	ok	0.09	0.1	2.41e-02	7.7	7.7	7.7	7.7	60.6	-159.1	-20.8	-1095.5	-133.0	19.8
393	ok	0.09	7.61e-02	2.12e-02	7.7	7.7	7.7	7.7	16.7	-135.3	-15.9	911.6	775.4	-15.8
394	ok	0.09	7.99e-02	1.85e-02	7.7	7.7	7.7	7.7	-25.3	-121.9	-13.8	1089.4	839.6	13.0
395	ok	0.09	6.84e-02	1.76e-02	7.7	7.7	7.7	7.7	-44.5	-117.7	-11.3	899.8	794.1	27.6
396	ok	0.09	6.03e-02	1.75e-02	7.7	7.7	7.7	7.7	-42.8	-91.3	-7.4	692.4	690.9	32.8
397	ok	0.09	6.06e-02	1.77e-02	7.7	7.7	7.7	7.7	-51.3	-93.0	-6.4	380.3	610.7	38.4
398	ok	0.09	9.23e-02	2.00e-02	7.7	7.7	7.7	7.7	-79.4	-120.0	10.8	-1260.3	-112.7	3.9
399	ok	0.09	0.2	2.53e-02	7.7	7.7	7.7	7.7	-80.8	-143.4	36.2	-2297.4	-345.9	-26.7
401	ok	0.09	0.5	2.17e-02	7.7	7.7	7.7	7.7	159.9	-102.7	-13.6	-4850.4	-569.2	-63.4
402	ok	0.09	0.3	2.51e-02	7.7	7.7	7.7	7.7	113.3	-164.8	29.5	-2470.1	-281.9	-124.8
403	ok	0.09	0.1	2.43e-02	7.7	7.7	7.7	7.7	57.5	-158.2	29.9	-1061.8	-107.9	-49.5
404	ok	0.09	7.90e-02	2.14e-02	7.7	7.7	7.7	7.7	14.7	-134.0	24.0	921.8	796.2	33.7
405	ok	0.09	8.04e-02	1.89e-02	7.7	7.7	7.7	7.7	-26.6	-121.0	19.0	1097.5	857.7	13.7
406	ok	0.09	6.82e-02	1.80e-02	7.7	7.7	7.7	7.7	-45.2	-116.6	16.5	911.4	806.7	4.3
407	ok	0.09	5.99e-02	1.78e-02	7.7	7.7	7.7	7.7	-42.9	-90.7	13.0	703.4	693.1	-7.6
408	ok	0.09	5.95e-02	1.78e-02	7.7	7.7	7.7	7.7	-50.5	-91.6	10.1	398.1	605.0	-6.1
409	ok	0.09	9.07e-02	1.94e-02	7.7	7.7	7.7	7.7	-82.0	-115.5	-6.2	-1227.9	-93.2	77.3
410	ok	0.09	0.2	2.65e-02	7.7	7.7	7.7	7.7	-96.1	-146.8	32.2	-2265.6	-336.6	-15.7
413	ok	0.09	0.5	2.60e-02	7.7	7.7	7.7	7.7	140.9	-144.3	100.5	-4092.7	-715.4	-143.3
414	ok	0.09	0.3	3.03e-02	7.7	7.7	7.7	7.7	88.4	-172.5	70.9	-2123.6	-133.5	-407.0
415	ok	0.09	0.1	2.67e-02	7.7	7.7	7.7	7.7	29.5	-150.1	80.2	-876.0	-54.3	-115.1
416	ok	0.09	8.98e-02	2.31e-02	7.7	7.7	7.7	7.7	-6.9	-123.1	60.4	894.0	818.8	74.1
417	ok	0.09	7.69e-02	2.04e-02	7.7	7.7	7.7	7.7	-37.2	-112.3	47.0	1042.3	850.6	-0.6
418	ok	0.09	6.87e-02	1.94e-02	7.7	7.7	7.7	7.7	-49.9	-108.0	40.9	868.2	786.0	-43.1
419	ok	0.09	6.06e-02	1.89e-02	7.7	7.7	7.7	7.7	-45.8	-83.2	29.0	679.4	663.9	-64.6
420	ok	0.09	5.57e-02	1.86e-02	7.7	7.7	7.7	7.7	-51.8	-83.5	25.0	397.1	567.9	-75.8
421	ok	0.09	8.54e-02	2.01e-02	7.7	7.7	7.7	7.7	-81.8	-103.0	8.3	-1133.9	-90.2	142.3
422	ok	0.09	0.2	2.17e-02	7.7	7.7	7.7	7.7	-83.9	-127.4	-31.2	-2161.2	-359.2	70.8
424	ok	0.09	0.4	3.72e-02	7.7	7.7	7.7	7.7	78.3	-193.5	92.4	-2790.4	-494.1	-266.4
425	ok	0.09	0.2	3.82e-02	7.7	7.7	7.7	7.7	10.9	-164.9	159.4	-1433.5	-113.9	-562.3
426	ok	0.09	0.1	2.98e-02	7.7	7.7	7.7	7.7	-24.1	-86.2	85.9	305.9	599.8	124.7
427	ok	0.09	8.52e-02	2.45e-02	7.7	7.7	7.7	7.7	-44.2	-102.3	79.1	797.4	767.8	91.3
428	ok	0.09	7.04e-02	2.15e-02	7.7	7.7	7.7	7.7	-53.1	-99.2	62.2	907.2	753.0	-38.9
429	ok	0.09	6.63e-02	2.04e-02	7.7	7.7	7.7	7.7	-58.4	-95.9	54.8	764.3	678.8	-104.3
430	ok	0.09	5.99e-02	1.96e-02	7.7	7.7	7.7	7.7	-48.4	-72.7	40.0	604.7	573.6	-141.4
431	ok	0.09	5.05e-02	1.88e-02	7.7	7.7	7.7	7.7	-51.5	-71.5	35.9	371.0	483.8	-161.1
432	ok	0.09	7.37e-02	1.91e-02	7.7	7.7	7.7	7.7	-76.3	-83.7	20.5	-919.0	-130.6	200.7
433	ok	0.09	0.1	1.83e-02	7.7	7.7	7.7	7.7	-80.3	-97.0	-25.5	-1822.4	-374.6	99.7
435	ok	0.09	0.2	6.27e-02	7.7	7.7	7.7	7.7	-81.9	-261.4	158.5	-1138.0	-156.2	-259.0
436	ok	0.09	0.2	5.00e-02	7.7	7.7	7.7	7.7	-131.9	-122.8	211.2	-568.0	-72.2	-545.1
437	ok	0.09	7.24e-02	3.04e-02	7.7	7.7	7.7	7.7	-86.0	-53.1	78.9	312.2	494.9	139.9
438	ok	0.09	5.07e-02	2.35e-02	7.7	7.7	7.7	7.7	-81.4	-82.4	70.4	610.2	481.8	45.9
439	ok	0.09	5.76e-02	2.10e-02	7.7	7.7	7.7	7.7	-67.1	-88.8	57.8	680.8	404.2	-88.6
440	ok	0.09	5.50e-02	1.98e-02	7.7	7.7	7.7	7.7	-49.3	-66.8	42.8	584.0	373.5	-158.2
441	ok	0.09	5.12e-02	1.88e-02	7.7	7.7	7.7	7.7	-47.7	-63.6	44.0	469.3	330.7	-202.5
442	ok	0.09	4.52e-02	1.76e-02	7.7	7.7	7.7	7.7	-46.3	-59.9	40.1	309.0	278.6	-228.2
443	ok	0.09	5.78e-02	1.71e-02	7.7	7.7	7.7	7.7	-60.1	-63.3	49.2	-614.9	-235.5	219.5
444	ok	0.09	9.01e-02	1.34e-02	7.7	7.7	7.7	7.7	-58.5	-53.1	-24.7	-1195.9	-328.9	115.1
446	ok	0.09	6.30e-02	0.1	7.7	7.7	7.7	7.7	-186.6	-314.4	188.5	-171.7	172.4	-139.1
447	ok	0.09	0.1	6.87e-02	7.7	7.7	7.7	7.7	-375.3	1.2	205.1	-188.6	-75.9	-417.6
448	ok	0.09	4.04e-02	2.77e-02	7.7	7.7	7.7	7.7	-148.7	-42.2	49.0	-181.8	-197.3	-313.4
449	ok	0.09	4.82e-02	2.18e-02	7.7	7.7	7.7	7.7	-101.1	-74.3	38.3	-150.0	-551.4	-164.3
450	ok	0.09	5.72e-02	1.99e-02	7.7	7.7	7.7	7.7	-75.6	-82.5	50.0	-200.8	-718.0	-12.0
451	ok	0.09	5.62e-02	1.93e-02	7.7	7.7	7.7	7.7	-62.9	-81.1	52.1	-238.6	-682.7	64.5
452	ok	0.09	5.41e-02	1.77e-02	7.7	7.7	7.7	7.7	-54.0	-74.0	25.9	-282.9	-615.4	124.4
453	ok	0.09	5.12e-02	1.59e-02	7.7	7.7	7.7	7.7	-47.9	-62.2	22.6	-340.2	-521.1	171.1
454	ok	0.09	4.85e-02	1.32e-02	7.7	7.7	7.7	7.7	-35.6	-38.5	10.5	-421.6	-402.3	206.9
456	ok	0.09	6.79e-02	8.16e-03	7.7	7.7	7.7	7.7	-15.1	-8.0	-25.7	-458.0	-172.0	78.9

467	ok	0.09	8.71e-02	9.56e-02	7.7	7.7	7.7	7.7	-429.2	-380.4	241.5	1094.8	-543.4	47.2
468	ok	0.09	0.5	2.39e-02	7.7	7.7	7.7	7.7	-153.7	-0.9	36.9	307.9	-66.4	-113.6
469	ok	0.09	6.27e-02	2.42e-02	7.7	7.7	7.7	7.7	-139.7	-43.3	48.3	-222.5	-781.4	-128.6
470	ok	0.09	0.1	2.41e-02	7.7	7.7	7.7	7.7	-122.8	-74.1	49.7	-401.3	-1339.5	-66.1
471	ok	0.09	0.1	2.16e-02	7.7	7.7	7.7	7.7	-90.7	-76.3	-9.0	-467.2	-1505.4	16.9
472	ok	0.09	0.1	1.77e-02	7.7	7.7	7.7	7.7	-69.7	-70.4	-8.6	-465.2	-1386.1	37.5
473	ok	0.09	9.35e-02	1.47e-02	7.7	7.7	7.7	7.7	-52.6	-67.6	-6.7	-453.4	-1215.4	49.0
474	ok	0.09	7.90e-02	1.26e-02	7.7	7.7	7.7	7.7	-34.3	-62.8	-11.2	-417.8	-990.0	58.5
475	ok	0.09	5.79e-02	9.80e-03	7.7	7.7	7.7	7.7	-8.0	-40.5	-22.8	-302.2	-599.6	70.0
476	ok	0.09	8.94e-02	4.21e-03	7.7	7.7	7.7	7.7	21.4	3.0	-36.4	-129.2	-90.5	-16.7

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
								-429.25	-380.43	-218.49	-4868.89	-1522.75	-562.32
	0.09	0.53	0.11	7.70	7.70	7.70	7.70	168.99	306.41	241.55	1097.49	857.74	672.43

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
335	ok	1.87						
336	ok	0.93						
337	ok	0.85						
338	ok	1.08						
339	ok	1.15						
340	ok	1.06						
341	ok	0.89						
342	ok	0.78						
343	ok	0.45						
344	ok	0.39						
346	ok	0.88						
347	ok	0.70						
348	ok	0.90						
349	ok	1.20						
350	ok	1.28						
351	ok	1.11						
352	ok	0.95						
353	ok	0.81						
354	ok	0.78						
355	ok	0.51						
357	ok	1.48						
358	ok	1.53						
359	ok	0.83						
360	ok	0.76						
361	ok	0.91						
362	ok	0.82						
363	ok	0.76						
364	ok	0.78						
365	ok	1.02						
366	ok	0.95						
368	ok	1.80						
369	ok	1.94						
370	ok	1.11						
371	ok	0.70						
372	ok	0.70						
373	ok	0.70						
374	ok	0.76						
375	ok	0.90						
376	ok	1.25						
377	ok	1.26						
379	ok	2.10						
380	ok	2.20						
381	ok	1.33						
382	ok	0.75						
383	ok	0.60						
384	ok	0.66						
385	ok	0.78						
386	ok	0.98						
387	ok	1.38						
388	ok	1.41						
390	ok	2.22						
391	ok	2.27						
392	ok	1.42						
393	ok	0.79						
394	ok	0.54						
395	ok	0.64						
396	ok	0.79						
397	ok	1.00						
398	ok	1.42						
399	ok	1.30						
401	ok	2.23						

402	ok	2.30
403	ok	1.43
404	ok	0.79
405	ok	0.52
406	ok	0.63
407	ok	0.78
408	ok	1.00
409	ok	1.43
410	ok	1.44
413	ok	2.15
414	ok	2.18
415	ok	1.32
416	ok	0.73
417	ok	0.60
418	ok	0.66
419	ok	0.78
420	ok	0.97
421	ok	1.39
422	ok	1.42
424	ok	1.69
425	ok	1.94
426	ok	1.06
427	ok	0.73
428	ok	0.76
429	ok	0.73
430	ok	0.76
431	ok	0.89
432	ok	1.24
433	ok	1.22
435	ok	1.04
436	ok	1.26
437	ok	0.86
438	ok	0.85
439	ok	0.99
440	ok	0.88
441	ok	0.79
442	ok	0.78
443	ok	0.97
444	ok	0.86
446	ok	0.94
447	ok	0.79
448	ok	0.93
449	ok	1.26
450	ok	1.36
451	ok	1.20
452	ok	1.03
453	ok	0.90
454	ok	0.84
456	ok	0.39
467	ok	1.85
468	ok	0.89
469	ok	0.91
470	ok	1.16
471	ok	1.25
472	ok	1.16
473	ok	1.00
474	ok	0.88
475	ok	0.51
476	ok	0.31

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.30						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
8	30.00	3	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
920	ok	0.16	4.45e-02	0.0	7.7	7.7	7.7	7.7	45.7	40.7	-13.7	-281.0	-285.3	-48.4
921	ok	0.16	6.32e-02	0.0	7.7	7.7	7.7	7.7	41.9	16.1	1.1	219.4	409.9	-102.3
922	ok	0.16	0.2	6.53e-03	7.7	7.7	7.7	7.7	20.8	-21.8	3.9	402.0	1414.2	-125.6
923	ok	0.16	0.3	1.47e-02	7.7	7.7	7.7	7.7	-9.7	-58.0	3.7	494.0	2507.9	-124.5
924	ok	0.16	0.4	2.10e-02	7.7	7.7	7.7	7.7	-31.0	-88.5	6.2	366.7	3384.0	-202.3

925	ok	0.16	0.4	2.36e-02	7.7	7.7	7.7	7.7	-51.1	-81.5	32.0	694.1	3321.3	-461.1
926	ok	0.16	0.4	2.44e-02	7.7	7.7	7.7	7.7	-84.7	-74.6	24.8	1122.5	2933.3	-229.2
927	ok	0.16	0.3	1.89e-02	7.7	7.7	7.7	7.7	-49.5	-61.0	-21.3	867.1	2007.6	928.7
928	ok	0.16	0.2	9.89e-03	7.7	7.7	7.7	7.7	-5.9	-37.3	-13.9	236.0	1801.6	490.9
929	ok	0.16	0.1	1.95e-03	7.7	7.7	7.7	7.7	16.5	-4.2	10.0	88.8	891.7	158.0
930	ok	0.16	5.43e-02	0.0	7.7	7.7	7.7	7.7	24.6	16.3	-0.7	373.3	201.7	84.9
931	ok	0.16	4.70e-02	1.13e-03	7.7	7.7	7.7	7.7	12.9	0.9	-6.0	258.6	311.0	74.0
932	ok	0.16	0.1	7.16e-03	7.7	7.7	7.7	7.7	-15.7	-24.2	-10.0	151.3	748.5	58.3
933	ok	0.16	0.1	1.19e-02	7.7	7.7	7.7	7.7	-34.2	-39.5	1.4	84.0	1104.8	34.2
934	ok	0.16	0.2	1.26e-02	7.7	7.7	7.7	7.7	-34.2	-42.0	-0.7	74.7	1190.4	-8.0
935	ok	0.16	0.1	1.06e-02	7.7	7.7	7.7	7.7	-27.2	-36.7	-0.9	69.9	1068.6	-30.3
936	ok	0.16	0.1	8.68e-03	7.7	7.7	7.7	7.7	-19.5	-32.2	-1.3	90.4	923.0	-39.7
937	ok	0.16	9.95e-02	6.71e-03	7.7	7.7	7.7	7.7	-10.5	-25.6	-0.3	113.0	743.1	-47.8
938	ok	0.16	6.29e-02	3.59e-03	7.7	7.7	7.7	7.7	2.2	-11.4	2.7	146.2	462.0	-55.8
939	ok	0.16	2.28e-02	5.55e-04	7.7	7.7	7.7	7.7	10.7	7.8	10.1	152.7	133.4	-22.6
940	ok	0.16	6.96e-02	0.0	7.7	7.7	7.7	7.7	16.3	29.5	-3.2	479.9	210.2	-117.4
941	ok	0.16	0.2	4.43e-03	7.7	7.7	7.7	7.7	10.4	8.4	11.3	460.7	415.7	-1104.4
942	ok	0.16	0.2	1.15e-02	7.7	7.7	7.7	7.7	1.5	-16.1	28.1	537.2	820.7	-778.8
943	ok	0.16	0.2	1.73e-02	7.7	7.7	7.7	7.7	-8.0	-47.8	30.9	541.6	1388.5	-429.4
944	ok	0.16	0.3	2.24e-02	7.7	7.7	7.7	7.7	-19.1	-77.7	25.5	466.4	2044.2	-380.2
945	ok	0.16	0.1	6.35e-03	7.7	7.7	7.7	7.7	-14.9	-2.6	-11.1	-172.6	783.9	479.4
946	ok	0.16	0.1	8.28e-03	7.7	7.7	7.7	7.7	-34.5	12.1	0.6	753.7	301.6	50.5
947	ok	0.16	9.17e-02	7.85e-03	7.7	7.7	7.7	7.7	-19.1	-1.6	4.1	455.3	3.8	411.3
948	ok	0.16	8.09e-02	9.10e-03	7.7	7.7	7.7	7.7	-28.6	-18.0	10.1	-60.2	284.8	449.9
949	ok	0.16	6.31e-02	9.39e-03	7.7	7.7	7.7	7.7	-31.8	-27.8	-0.3	-261.0	398.0	193.6
950	ok	0.16	5.69e-02	1.18e-02	7.7	7.7	7.7	7.7	-24.1	-38.3	-13.5	-310.8	364.1	-49.3
951	ok	0.16	6.09e-02	1.17e-02	7.7	7.7	7.7	7.7	-24.0	-37.2	-15.1	-282.5	309.1	-215.7
952	ok	0.16	6.09e-02	1.09e-02	7.7	7.7	7.7	7.7	-21.9	-31.3	-14.6	-161.2	244.8	-301.6
953	ok	0.16	6.09e-02	9.88e-03	7.7	7.7	7.7	7.7	-12.2	-19.0	-17.5	227.5	263.1	138.5
954	ok	0.16	7.02e-02	8.14e-03	7.7	7.7	7.7	7.7	-9.8	-10.4	-10.6	251.9	212.3	284.6
955	ok	0.16	6.74e-02	3.75e-03	7.7	7.7	7.7	7.7	-8.3	1.9	3.2	503.8	164.8	-47.7
956	ok	0.16	0.4	3.90e-02	7.7	7.7	7.7	7.7	-35.4	-139.3	40.1	647.3	3472.2	-813.0
957	ok	0.16	0.1	1.12e-02	7.7	7.7	7.7	7.7	9.8	-29.0	-7.1	741.5	-463.8	51.9
958	ok	0.16	0.2	1.07e-02	7.7	7.7	7.7	7.7	5.1	-22.3	-7.1	726.6	-554.7	593.1
959	ok	0.16	0.4	2.44e-02	7.7	7.7	7.7	7.7	-33.1	-79.2	-31.5	368.9	2797.2	655.9
960	ok	0.16	0.2	6.53e-03	7.7	7.7	7.7	7.7	-23.5	5.0	-1.4	1579.8	430.6	-143.6
961	ok	0.16	0.2	1.16e-02	7.7	7.7	7.7	7.7	-17.6	-4.8	25.7	934.1	521.2	-824.3
962	ok	0.16	0.1	1.49e-02	7.7	7.7	7.7	7.7	-21.0	-21.8	35.4	797.2	720.3	-311.6
963	ok	0.16	0.1	1.84e-02	7.7	7.7	7.7	7.7	-21.2	-44.8	36.2	670.9	1003.4	-100.7
964	ok	0.16	0.2	2.49e-02	7.7	7.7	7.7	7.7	-20.4	-71.5	31.1	401.8	1549.1	287.2
965	ok	0.16	0.1	1.07e-02	7.7	7.7	7.7	7.7	-27.8	-26.5	-9.8	298.2	377.2	-749.5
966	ok	0.16	0.2	9.61e-03	7.7	7.7	7.7	7.7	-28.8	-5.5	-5.6	1144.7	289.9	-329.3
967	ok	0.16	0.1	1.57e-02	7.7	7.7	7.7	7.7	-47.5	-11.0	9.3	836.4	-131.6	208.6
968	ok	0.16	5.78e-02	1.07e-02	7.7	7.7	7.7	7.7	-45.6	-9.4	3.8	-243.0	180.2	289.8
969	ok	0.16	7.00e-02	8.07e-03	7.7	7.7	7.7	7.7	-34.5	-16.8	-2.2	-475.1	143.7	60.3
970	ok	0.16	0.2	1.80e-02	7.7	7.7	7.7	7.7	-40.1	-28.9	-21.0	-1115.8	-227.8	-265.1
971	ok	0.16	0.1	1.28e-02	7.7	7.7	7.7	7.7	-25.5	-28.4	-17.8	-383.7	-143.1	-571.7
972	ok	0.16	9.32e-02	1.19e-02	7.7	7.7	7.7	7.7	-24.4	-24.4	-15.6	-268.5	-139.2	-466.9
973	ok	0.16	7.63e-02	1.14e-02	7.7	7.7	7.7	7.7	-23.7	-22.4	-16.7	-99.7	-125.4	-430.1
974	ok	0.16	7.55e-02	1.12e-02	7.7	7.7	7.7	7.7	-25.4	-16.3	-21.1	425.2	195.8	192.3
975	ok	0.16	0.1	8.94e-03	7.7	7.7	7.7	7.7	-31.3	-20.5	3.1	1055.6	194.9	-34.7
976	ok	0.16	0.2	2.61e-02	7.7	7.7	7.7	7.7	-5.1	-101.4	9.9	-217.2	1262.4	394.1
979	ok	0.16	0.1	1.69e-02	7.7	7.7	7.7	7.7	-13.7	-58.3	-13.5	100.4	751.7	-26.7
980	ok	0.16	0.3	1.48e-02	7.7	7.7	7.7	7.7	-59.8	-29.0	-2.4	2759.8	604.1	-128.1
981	ok	0.16	0.2	1.70e-02	7.7	7.7	7.7	7.7	-50.3	-14.7	24.2	1544.0	557.3	-655.4
982	ok	0.16	0.2	1.72e-02	7.7	7.7	7.7	7.7	-43.1	-24.4	31.3	1113.3	626.5	-163.6
983	ok	0.16	0.1	1.78e-02	7.7	7.7	7.7	7.7	-33.2	-40.9	30.2	873.7	669.0	77.0
984	ok	0.16	0.1	1.98e-02	7.7	7.7	7.7	7.7	-20.2	-65.6	24.8	814.2	603.5	407.8
985	ok	0.16	0.1	1.02e-02	7.7	7.7	7.7	7.7	-20.0	-33.2	-6.2	688.9	-181.3	-629.2
986	ok	0.16	0.2	8.47e-03	7.7	7.7	7.7	7.7	-29.1	-27.9	-7.9	1206.2	369.1	-280.1
987	ok	0.16	4.50e-02	5.43e-03	7.7	7.7	7.7	7.7	-11.3	-9.8	-3.2	-111.1	301.9	36.1
990	ok	0.16	7.91e-02	6.90e-03	7.7	7.7	7.7	7.7	-8.8	-16.8	0.8	410.3	-413.0	22.7
991	ok	0.16	0.1	1.16e-02	7.7	7.7	7.7	7.7	-20.1	-30.4	-14.8	85.3	-646.9	-507.7
992	ok	0.16	8.68e-02	1.11e-02	7.7	7.7	7.7	7.7	-24.5	-25.3	-13.8	-38.4	-381.4	-384.4
993	ok	0.16	6.89e-02	1.14e-02	7.7	7.7	7.7	7.7	-34.7	-29.4	-15.9	130.2	-207.4	-323.7
994	ok	0.16	8.98e-02	1.20e-02	7.7	7.7	7.7	7.7	-36.6	-23.0	-15.6	612.5	202.1	128.2
995	ok	0.16	0.2	1.22e-02	7.7	7.7	7.7	7.7	-45.8	-40.1	4.5	1510.0	242.8	-28.8
996	ok	0.16	0.2	1.89e-02	7.7	7.7	7.7	7.7	-14.5	-38.7	-0.9	1544.4	422.0	510.8
997	ok	0.16	0.2	1.03e-02	7.7	7.7	7.7	7.7	-28.7	-26.3	3.1	-1617.1	145.2	-138.8
998	ok	0.16	0.2	1.00e-02	7.7	7.7	7.7	7.7	-29.2	-24.5	-2.5	-1218.3	156.5	-134.8
999	ok	0.16	8.41e-02	1.34e-02	7.7	7.7	7.7	7.7	-17.7	-47.0	1.7	274.2	-271.5	-546.2
1000	ok	0.16	0.4	2.07e-02	7.7	7.7	7.7	7.7	-85.2	-56.7	-3.0	3682.3	721.7	-89.2
1001	ok	0.16	0.3	2.07e-02	7.7	7.7	7.7	7.7	-74.8	-23.7	18.6	2035.2	594.1	-373.1
1002	ok	0.16	0.2	1.80e-02	7.7	7.7	7.7	7.7	-61.9	-24.3	18.6	1411.5	532.5	-107.3
1003	ok	0.16	0.1	1.52e-02	7.7	7.7	7.7	7.7	-44.7	-38.2	15.7	1030.8	470.0	89.5
1004	ok	0.16	0.1	1.51e-02	7.7	7.7	7.7	7.7	-28.9	-47.4	5.4	-530.1	-703.0	272.8
1005	ok	0.16	0.1	9.95e-03	7.7	7.7	7.7	7.7	-22.9	-32.1	-2.7	919.2	-201.4	-189.0
1006	ok	0.16	0.2	1.14e-02	7.7	7.7	7.7	7.7	-21.7	-29.4	-9.7	1646.6	600.8	34.3
1007	ok	0.16	4.59e-02	5.66e-03	7.7	7.7	7.7	7.7	-22.2	-21.5	-2.5	20.4	299.8	80.0

1010	ok	0.16	7.62e-02	5.85e-03	7.7	7.7	7.7	7.7	-11.8	-7.9	-5.3	514.0	-355.6	-176.3
1011	ok	0.16	0.1	7.52e-03	7.7	7.7	7.7	7.7	-23.1	-25.0	0.1	-37.4	-778.3	156.7
1012	ok	0.16	6.23e-02	8.86e-03	7.7	7.7	7.7	7.7	-29.1	-23.3	-2.5	-106.9	-438.2	-64.4
1013	ok	0.16	6.82e-02	1.03e-02	7.7	7.7	7.7	7.7	-39.1	-22.5	-4.6	473.9	185.6	-8.9
1014	ok	0.16	0.1	1.20e-02	7.7	7.7	7.7	7.7	-44.5	-26.9	-8.2	755.5	201.0	63.0
1015	ok	0.16	0.2	1.37e-02	7.7	7.7	7.7	7.7	-52.0	-51.1	-7.4	1808.9	276.8	-18.3
1016	ok	0.16	0.2	1.99e-02	7.7	7.7	7.7	7.7	-33.3	-59.7	17.3	-998.3	-1182.0	758.0
1017	ok	0.16	0.2	1.02e-02	7.7	7.7	7.7	7.7	-34.1	-19.9	1.8	-1633.4	159.1	-141.7
1018	ok	0.16	0.2	9.95e-03	7.7	7.7	7.7	7.7	-34.3	-13.1	1.6	-1028.2	346.0	-185.3
1019	ok	0.16	0.1	1.65e-02	7.7	7.7	7.7	7.7	-38.8	-59.1	-19.6	-172.2	-939.2	-244.5
1020	ok	0.16	0.3	2.17e-02	7.7	7.7	7.7	7.7	-67.3	-23.1	-15.1	2724.3	153.0	318.6
1021	ok	0.16	0.1	1.78e-02	7.7	7.7	7.7	7.7	-50.9	-2.7	5.5	-730.3	10.7	-283.7
1022	ok	0.16	0.2	1.80e-02	7.7	7.7	7.7	7.7	-70.8	-6.6	-6.5	-1329.6	383.3	-240.8
1023	ok	0.16	0.3	2.18e-02	7.7	7.7	7.7	7.7	-69.7	-15.0	12.5	-2359.0	-434.1	513.0
1024	ok	0.16	0.1	1.22e-02	7.7	7.7	7.7	7.7	-39.5	-16.2	5.3	-659.8	-438.0	189.5
1025	ok	0.16	6.18e-02	1.17e-02	7.7	7.7	7.7	7.7	-39.0	-19.1	1.7	-375.3	-388.6	32.4
1026	ok	0.16	7.81e-02	1.19e-02	7.7	7.7	7.7	7.7	-48.1	-19.8	0.6	546.7	158.9	-15.8
1027	ok	0.16	0.1	1.26e-02	7.7	7.7	7.7	7.7	-50.1	-28.1	-1.8	818.3	213.7	16.0
1028	ok	0.16	0.2	1.39e-02	7.7	7.7	7.7	7.7	-52.5	-54.6	-6.2	1924.2	279.7	-9.1
1029	ok	0.16	0.5	2.43e-02	7.7	7.7	7.7	7.7	-98.9	-73.6	13.1	4159.8	697.4	-57.9
1030	ok	0.16	0.3	2.31e-02	7.7	7.7	7.7	7.7	-89.0	-24.6	7.9	2380.2	542.8	-308.4
1031	ok	0.16	0.2	1.94e-02	7.7	7.7	7.7	7.7	-75.2	-18.2	2.0	1664.5	426.3	-108.0
1032	ok	0.16	0.2	1.51e-02	7.7	7.7	7.7	7.7	-55.4	-36.0	-4.8	1180.2	334.8	84.1
1033	ok	0.16	0.2	1.63e-02	7.7	7.7	7.7	7.7	-34.6	-54.1	2.8	-491.4	-1052.9	301.1
1034	ok	0.16	0.1	1.14e-02	7.7	7.7	7.7	7.7	-36.4	-43.7	-8.3	736.6	-245.3	-85.7
1035	ok	0.16	0.3	1.10e-02	7.7	7.7	7.7	7.7	-40.2	-36.6	-8.9	2400.1	73.4	250.4
1036	ok	0.16	0.2	1.53e-02	7.7	7.7	7.7	7.7	-50.0	-23.2	-4.4	1809.0	-325.3	167.6
1037	ok	0.16	8.51e-02	1.87e-02	7.7	7.7	7.7	7.7	-74.8	-11.4	-0.5	-539.9	227.0	-48.0
1038	ok	0.16	0.2	1.87e-02	7.7	7.7	7.7	7.7	-79.7	-12.3	-0.5	-1796.7	253.1	-28.0
1039	ok	0.16	0.2	1.63e-02	7.7	7.7	7.7	7.7	-52.3	-15.9	4.6	-1598.7	-375.6	226.1
1040	ok	0.16	0.1	1.43e-02	7.7	7.7	7.7	7.7	-47.3	-12.5	3.3	-924.9	-311.6	131.3
1041	ok	0.16	7.05e-02	1.30e-02	7.7	7.7	7.7	7.7	-41.8	-18.0	1.7	-446.6	-371.3	28.1
1042	ok	0.16	8.15e-02	1.26e-02	7.7	7.7	7.7	7.7	-51.1	-18.3	0.3	568.4	154.1	-7.0
1043	ok	0.16	0.1	1.28e-02	7.7	7.7	7.7	7.7	-51.6	-28.0	0.2	836.4	217.6	10.9
1044	ok	0.16	0.2	1.47e-02	7.7	7.7	7.7	7.7	-53.0	-54.2	5.0	1948.7	290.8	-11.0
1045	ok	0.16	0.1	1.48e-02	7.7	7.7	7.7	7.7	-12.5	-50.9	-2.6	455.2	-1065.9	-147.4
1048	ok	0.16	5.75e-02	1.16e-02	7.7	7.7	7.7	7.7	-14.3	-50.1	-1.3	59.5	-374.3	25.4
1049	ok	0.16	0.5	2.52e-02	7.7	7.7	7.7	7.7	-99.0	-82.4	5.9	4119.7	348.3	-202.9
1050	ok	0.16	0.4	2.40e-02	7.7	7.7	7.7	7.7	-88.4	-13.7	-4.0	2655.5	497.4	-364.8
1051	ok	0.16	0.3	2.02e-02	7.7	7.7	7.7	7.7	-72.9	-13.3	-13.2	2208.2	219.0	-225.5
1052	ok	0.16	0.2	2.34e-02	7.7	7.7	7.7	7.7	-78.5	-26.2	-26.8	1467.3	140.7	200.7
1053	ok	0.16	0.2	2.22e-02	7.7	7.7	7.7	7.7	-43.7	-57.6	-24.7	-825.8	-977.9	-573.4
1054	ok	0.16	0.1	9.87e-03	7.7	7.7	7.7	7.7	-25.4	-35.3	1.1	910.5	-218.4	26.1
1055	ok	0.16	0.3	1.19e-02	7.7	7.7	7.7	7.7	-39.9	-37.3	12.7	2257.3	109.5	-290.5
1056	ok	0.16	0.3	1.94e-02	7.7	7.7	7.7	7.7	-59.5	-22.5	15.0	2204.1	30.4	-138.6
1057	ok	0.16	9.41e-02	1.78e-02	7.7	7.7	7.7	7.7	-57.0	-5.5	-1.6	-500.9	140.1	256.4
1058	ok	0.16	0.2	1.79e-02	7.7	7.7	7.7	7.7	-58.2	-7.3	1.8	-1510.4	322.9	89.8
1059	ok	0.16	0.3	1.89e-02	7.7	7.7	7.7	7.7	-61.0	-14.8	-10.1	-1987.2	-353.8	-450.1
1060	ok	0.16	0.1	1.29e-02	7.7	7.7	7.7	7.7	-41.9	-15.1	-5.2	-754.1	-365.1	-210.3
1061	ok	0.16	6.49e-02	1.22e-02	7.7	7.7	7.7	7.7	-40.6	-18.3	-2.2	-415.2	-344.7	-60.9
1062	ok	0.16	7.93e-02	1.21e-02	7.7	7.7	7.7	7.7	-49.2	-18.6	-0.4	554.7	160.8	23.7
1063	ok	0.16	0.1	1.23e-02	7.7	7.7	7.7	7.7	-49.7	-27.7	-2.4	822.5	204.1	-18.6
1064	ok	0.16	0.2	1.44e-02	7.7	7.7	7.7	7.7	-55.7	-53.1	-7.5	1927.2	290.5	12.6
1065	ok	0.16	0.3	2.41e-02	7.7	7.7	7.7	7.7	-71.3	-37.4	-22.6	-2354.3	-812.7	-874.5
1066	ok	0.16	0.2	1.35e-02	7.7	7.7	7.7	7.7	-38.5	-11.0	3.7	-1072.0	511.9	387.9
1067	ok	0.16	0.2	1.00e-02	7.7	7.7	7.7	7.7	-41.0	-13.3	-7.9	-1038.6	354.7	-6.7
1068	ok	0.16	0.1	1.43e-02	7.7	7.7	7.7	7.7	-51.9	-37.8	15.1	-99.7	-519.2	339.6
1069	ok	0.16	0.4	2.29e-02	7.7	7.7	7.7	7.7	-78.2	-92.4	11.3	3232.6	502.6	-437.9
1070	ok	0.16	0.5	1.97e-02	7.7	7.7	7.7	7.7	-70.8	2.4	-11.1	3919.2	719.5	-857.7
1071	ok	0.16	0.2	1.94e-02	7.7	7.7	7.7	7.7	-70.1	-17.8	-17.9	1507.2	-368.1	362.3
1072	ok	0.16	0.2	1.94e-02	7.7	7.7	7.7	7.7	-64.4	-25.6	-22.8	1297.2	29.6	86.4
1073	ok	0.16	0.4	4.13e-02	7.7	7.7	7.7	7.7	-58.9	-114.9	-47.3	-1041.8	-2825.7	-1354.0
1074	ok	0.16	0.2	1.88e-02	7.7	7.7	7.7	7.7	-41.2	-40.9	-11.8	-1094.7	-1043.1	-244.8
1075	ok	0.16	0.2	1.46e-02	7.7	7.7	7.7	7.7	-42.6	-15.8	-9.9	-1743.9	320.1	259.3
1076	ok	0.16	0.1	1.23e-02	7.7	7.7	7.7	7.7	-52.4	-25.2	0.8	-1014.9	107.2	252.8
1077	ok	0.16	8.82e-02	1.05e-02	7.7	7.7	7.7	7.7	-29.4	-35.6	1.6	368.8	-585.4	225.0
1078	ok	0.16	0.1	9.70e-03	7.7	7.7	7.7	7.7	-25.8	-33.0	2.6	920.3	-250.8	244.9
1079	ok	0.16	0.4	2.23e-02	7.7	7.7	7.7	7.7	-64.7	-92.7	-8.8	2959.5	1011.2	-432.2
1080	ok	0.16	0.1	9.98e-03	7.7	7.7	7.7	7.7	-25.2	27.3	-25.9	-341.7	742.3	-179.8
1083	ok	0.16	0.2	3.37e-02	7.7	7.7	7.7	7.7	-11.5	-110.0	-25.6	465.7	-1908.6	-275.3
1084	ok	0.16	0.1	9.72e-03	7.7	7.7	7.7	7.7	-24.7	-32.3	4.0	850.3	-335.5	424.3
1085	ok	0.16	0.2	1.22e-02	7.7	7.7	7.7	7.7	-29.0	-36.7	19.5	1483.6	463.1	-151.5
1086	ok	0.16	5.67e-02	6.02e-03	7.7	7.7	7.7	7.7	-14.0	-14.3	-2.2	-373.3	259.3	137.0
1089	ok	0.16	8.67e-02	5.93e-03	7.7	7.7	7.7	7.7	-10.9	-7.9	6.8	577.4	-387.4	200.5
1090	ok	0.16	0.1	7.87e-03	7.7	7.7	7.7	7.7	-20.4	-25.0	3.1	117.0	-775.3	-64.6
1091	ok	0.16	6.68e-02	8.89e-03	7.7	7.7	7.7	7.7	-33.8	-27.8	6.9	63.1	-408.1	134.3
1092	ok	0.16	6.45e-02	1.00e-02	7.7	7.7	7.7	7.7	-36.4	-22.1	6.7	449.8	192.2	13.7
1093	ok	0.16	9.98e-02	1.18e-02	7.7	7.7	7.7	7.7	-42.6	-25.9	3.7	718.8	206.0	-71.3
1094	ok	0.16	0.2	1.33e-02	7.7	7.7	7.7	7.7	-51.3	-47.1	-6.8	1745.0	269.4	24.5

1095	ok	0.16	0.3	2.02e-02	7.7	7.7	7.7	7.7	-9.0	-68.2	-8.7	-363.3	-2194.2	126.7
1096	ok	0.16	0.2	1.21e-02	7.7	7.7	7.7	7.7	-31.3	-26.1	-12.5	-1519.3	427.7	-143.8
1097	ok	0.16	0.2	1.12e-02	7.7	7.7	7.7	7.7	-45.2	-20.7	2.2	-1164.7	171.3	-88.9
1098	ok	0.16	9.92e-02	1.56e-02	7.7	7.7	7.7	7.7	-28.8	-51.0	-9.3	416.9	-490.1	523.9
1099	ok	0.16	0.2	1.53e-02	7.7	7.7	7.7	7.7	-36.0	-40.9	-15.9	1650.1	1056.9	189.2
1100	ok	0.16	0.1	1.37e-02	7.7	7.7	7.7	7.7	-28.2	-10.0	-38.8	56.9	550.0	230.0
1103	ok	0.16	0.2	2.90e-02	7.7	7.7	7.7	7.7	-17.4	-95.8	-35.7	53.2	1706.5	-57.6
1104	ok	0.16	0.1	9.23e-03	7.7	7.7	7.7	7.7	-31.3	-35.7	5.8	464.4	193.3	722.9
1105	ok	0.16	0.2	8.26e-03	7.7	7.7	7.7	7.7	-23.8	-19.2	5.7	1103.7	322.0	309.6
1106	ok	0.16	3.98e-02	5.30e-03	7.7	7.7	7.7	7.7	-11.6	-6.0	2.7	-64.8	261.4	-41.9
1109	ok	0.16	7.86e-02	7.52e-03	7.7	7.7	7.7	7.7	-16.2	-23.1	6.4	165.2	-535.3	179.7
1110	ok	0.16	0.1	1.21e-02	7.7	7.7	7.7	7.7	-19.2	-31.6	16.1	117.5	-610.7	570.3
1111	ok	0.16	9.06e-02	1.13e-02	7.7	7.7	7.7	7.7	-23.1	-25.4	15.1	-7.3	-369.2	437.1
1112	ok	0.16	7.28e-02	1.14e-02	7.7	7.7	7.7	7.7	-32.3	-28.5	17.5	146.7	-201.8	364.8
1113	ok	0.16	8.43e-02	1.19e-02	7.7	7.7	7.7	7.7	-33.8	-20.1	12.1	555.2	204.7	-139.2
1114	ok	0.16	0.2	1.14e-02	7.7	7.7	7.7	7.7	-42.5	-33.6	-4.3	1402.5	229.7	32.3
1115	ok	0.16	0.2	3.13e-02	7.7	7.7	7.7	7.7	-2.1	-111.4	-14.9	-103.2	1585.7	-404.9
1118	ok	0.16	7.67e-02	1.60e-02	7.7	7.7	7.7	7.7	-15.2	-67.2	0.3	87.1	-69.7	481.7
1119	ok	0.16	0.2	8.12e-03	7.7	7.7	7.7	7.7	-10.5	45.9	-28.0	633.5	697.9	1044.6
1120	ok	0.16	0.2	1.83e-02	7.7	7.7	7.7	7.7	-2.0	-37.4	-32.7	-368.2	598.6	727.9
1123	ok	0.16	0.3	2.05e-02	7.7	7.7	7.7	7.7	-15.2	-68.7	-17.0	-226.7	2540.9	-241.4
1124	ok	0.16	0.1	6.79e-03	7.7	7.7	7.7	7.7	-20.1	-11.8	4.2	-419.1	668.1	-142.4
1125	ok	0.16	0.1	9.52e-03	7.7	7.7	7.7	7.7	-28.4	-1.2	3.3	979.9	290.6	284.6
1126	ok	0.16	0.1	1.60e-02	7.7	7.7	7.7	7.7	-47.1	-10.5	-10.7	724.7	-125.2	-206.1
1127	ok	0.16	4.83e-02	1.02e-02	7.7	7.7	7.7	7.7	-31.7	-7.9	-3.4	-168.4	182.8	-280.1
1128	ok	0.16	5.51e-02	7.27e-03	7.7	7.7	7.7	7.7	-23.3	-14.6	1.9	-386.9	145.5	-62.7
1129	ok	0.16	0.1	1.89e-02	7.7	7.7	7.7	7.7	-38.3	-30.7	21.9	-1009.7	-163.2	190.3
1130	ok	0.16	0.1	1.29e-02	7.7	7.7	7.7	7.7	-25.4	-22.8	17.0	-402.2	55.0	651.5
1131	ok	0.16	9.00e-02	1.18e-02	7.7	7.7	7.7	7.7	-22.9	-24.8	16.1	-233.4	-69.4	490.4
1132	ok	0.16	7.51e-02	1.10e-02	7.7	7.7	7.7	7.7	-21.7	-21.8	16.8	-78.4	-75.2	458.4
1133	ok	0.16	7.09e-02	1.05e-02	7.7	7.7	7.7	7.7	-20.0	-13.9	15.5	358.8	204.5	-206.5
1134	ok	0.16	0.1	7.55e-03	7.7	7.7	7.7	7.7	-25.6	-12.4	-2.4	906.0	185.1	42.1
1135	ok	0.16	0.4	4.50e-02	7.7	7.7	7.7	7.7	-29.1	-181.0	-46.0	233.2	3640.1	278.0
1136	ok	0.16	0.1	1.21e-02	7.7	7.7	7.7	7.7	44.7	-27.9	5.0	283.1	-510.5	-393.1
1137	ok	0.16	0.1	1.06e-02	7.7	7.7	7.7	7.7	22.4	-20.7	-5.8	451.4	-1001.3	214.3
1138	ok	0.16	0.3	2.18e-02	7.7	7.7	7.7	7.7	-32.3	-50.9	24.1	569.6	1637.7	-1070.0
1139	ok	0.16	0.1	0.0	7.7	7.7	7.7	7.7	24.4	75.3	-7.7	-68.5	-43.0	780.5
1140	ok	0.16	0.4	2.66e-02	7.7	7.7	7.7	7.7	-33.1	-51.2	-42.6	1346.0	1834.1	2021.9
1141	ok	0.16	0.1	1.42e-02	7.7	7.7	7.7	7.7	-17.1	-14.1	-34.5	633.1	53.5	328.2
1142	ok	0.16	0.1	1.04e-02	7.7	7.7	7.7	7.7	26.7	-24.0	-29.5	161.3	-761.7	546.4
1143	ok	0.16	0.6	2.18e-02	7.7	7.7	7.7	7.7	5.7	-92.6	-11.3	360.8	4595.5	-755.5
1144	ok	0.16	0.3	3.10e-02	7.7	7.7	7.7	7.7	-8.1	-121.8	-38.0	-118.4	2339.6	982.8
1145	ok	0.16	0.2	1.35e-02	7.7	7.7	7.7	7.7	5.1	-52.5	-3.7	872.9	467.3	-357.6
1146	ok	0.16	0.2	1.21e-02	7.7	7.7	7.7	7.7	-13.6	-37.5	16.9	1005.6	133.5	-1240.8
1147	ok	0.16	0.3	1.53e-02	7.7	7.7	7.7	7.7	-7.7	-47.9	23.4	-251.8	1728.4	-1340.4
1148	ok	0.16	0.1	5.11e-03	7.7	7.7	7.7	7.7	-15.5	-6.9	5.3	-231.7	690.6	-489.7
1149	ok	0.16	0.1	0.0	7.7	7.7	7.7	7.7	36.3	61.6	7.8	-50.8	-332.8	536.9
1150	ok	0.16	0.3	8.10e-03	7.7	7.7	7.7	7.7	17.2	-4.6	-0.5	709.6	633.8	1622.0
1151	ok	0.16	0.2	1.59e-02	7.7	7.7	7.7	7.7	-2.8	-9.9	-49.2	1001.4	63.0	1107.0
1152	ok	0.16	0.2	1.50e-02	7.7	7.7	7.7	7.7	11.7	-30.5	-37.7	643.3	468.2	609.6
1153	ok	0.16	0.4	1.75e-02	7.7	7.7	7.7	7.7	-3.4	-74.2	-1.1	-244.4	2747.9	-615.8
1154	ok	0.16	0.3	2.58e-02	7.7	7.7	7.7	7.7	-12.0	-104.8	-24.5	201.8	2657.2	667.1
1155	ok	0.16	0.2	1.53e-02	7.7	7.7	7.7	7.7	-19.4	-59.1	-8.0	778.8	1221.0	-485.2
1156	ok	0.16	0.3	1.41e-02	7.7	7.7	7.7	7.7	-17.5	-48.7	14.8	608.1	1087.0	-1279.1
1157	ok	0.16	0.3	1.28e-02	7.7	7.7	7.7	7.7	-8.5	-37.6	22.5	96.3	1226.8	-1329.1
1158	ok	0.16	0.1	3.61e-03	7.7	7.7	7.7	7.7	-6.5	-2.3	8.6	-87.9	617.0	-715.0
1159	ok	0.16	8.81e-02	5.74e-03	7.7	7.7	7.7	7.7	-21.7	13.2	-2.8	592.1	244.2	-66.0
1160	ok	0.16	8.54e-02	6.21e-03	7.7	7.7	7.7	7.7	-13.1	-1.6	-3.8	422.4	51.3	-374.3
1161	ok	0.16	8.46e-02	8.97e-03	7.7	7.7	7.7	7.7	-19.7	-16.3	-9.2	47.0	315.6	-438.2
1162	ok	0.16	7.97e-02	1.02e-02	7.7	7.7	7.7	7.7	-34.2	-29.5	1.3	-140.2	532.1	-188.8
1163	ok	0.16	7.80e-02	1.20e-02	7.7	7.7	7.7	7.7	-21.6	-33.5	13.0	217.9	465.5	-98.5
1164	ok	0.16	7.46e-02	1.16e-02	7.7	7.7	7.7	7.7	-19.9	-31.2	11.7	-254.8	398.2	204.1
1165	ok	0.16	7.09e-02	1.05e-02	7.7	7.7	7.7	7.7	-17.7	-25.9	11.3	-150.2	321.4	300.4
1166	ok	0.16	6.66e-02	8.99e-03	7.7	7.7	7.7	7.7	-8.6	-17.3	11.5	212.7	308.5	-203.1
1167	ok	0.16	6.83e-02	6.80e-03	7.7	7.7	7.7	7.7	-3.8	-5.9	7.6	224.9	210.9	-277.2
1168	ok	0.16	4.92e-02	2.59e-03	7.7	7.7	7.7	7.7	-1.3	6.5	-3.5	362.3	166.8	56.5
1169	ok	0.16	6.13e-02	0.0	7.7	7.7	7.7	7.7	59.7	49.2	21.0	-433.5	-407.4	25.8
1170	ok	0.16	6.90e-02	0.0	7.7	7.7	7.7	7.7	96.9	27.3	0.1	218.1	-182.4	333.9
1171	ok	0.16	0.1	7.90e-03	7.7	7.7	7.7	7.7	32.3	-16.0	-17.4	573.1	985.2	142.5
1172	ok	0.16	0.3	1.58e-02	7.7	7.7	7.7	7.7	-32.3	-44.6	-12.2	769.9	2022.5	4.1
1173	ok	0.16	0.4	2.01e-02	7.7	7.7	7.7	7.7	-59.1	-75.9	-17.0	508.5	2972.2	-24.9
1174	ok	0.16	0.4	2.27e-02	7.7	7.7	7.7	7.7	-58.9	-88.4	-3.3	605.4	3413.3	34.3
1175	ok	0.16	0.4	2.14e-02	7.7	7.7	7.7	7.7	-69.7	-77.0	-18.3	906.8	3127.3	-19.5
1176	ok	0.16	0.3	1.56e-02	7.7	7.7	7.7	7.7	-52.7	-60.7	-7.4	730.3	2548.4	-140.9
1177	ok	0.16	0.2	9.55e-03	7.7	7.7	7.7	7.7	-10.1	-32.9	-3.9	256.4	1351.1	-291.6
1178	ok	0.16	0.1	2.09e-03	7.7	7.7	7.7	7.7	17.9	3.7	-7.9	-82.4	554.0	-220.6
1179	ok	0.16	5.47e-02	7.28e-04	7.7	7.7	7.7	7.7	20.9	12.7	2.9	392.7	181.3	-46.4
1180	ok	0.16	4.45e-02	1.67e-03	7.7	7.7	7.7	7.7	11.0	-0.2	7.8	283.7	295.9	-38.3
1181	ok	0.16	0.1	7.85e-03	7.7	7.7	7.7	7.7	-20.1	-23.9	11.6	156.1	749.2	-31.3

1182	ok	0.16	0.1	1.29e-02	7.7	7.7	7.7	7.7	-40.4	-38.0	-1.6	74.9	1111.0	-31.2
1183	ok	0.16	0.2	1.32e-02	7.7	7.7	7.7	7.7	-38.7	-40.9	0.4	49.0	1204.6	-4.0
1184	ok	0.16	0.1	1.09e-02	7.7	7.7	7.7	7.7	-30.7	-38.7	11.4	50.3	1077.0	23.3
1185	ok	0.16	0.1	8.53e-03	7.7	7.7	7.7	7.7	-20.6	-31.2	9.5	80.5	924.6	30.9
1186	ok	0.16	9.93e-02	6.50e-03	7.7	7.7	7.7	7.7	-12.1	-24.6	-2.0	116.2	743.6	29.4
1187	ok	0.16	6.02e-02	3.50e-03	7.7	7.7	7.7	7.7	13.9	-5.2	-3.8	161.4	210.8	-69.0
1188	ok	0.16	2.46e-02	8.10e-04	7.7	7.7	7.7	7.7	21.1	14.8	-10.7	-6.2	-30.1	-8.5

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
								-99.01	-181.03	-49.15	-2358.97	-2825.67	-1354.04
	0.16	0.57	0.05	7.70	7.70	7.70	7.70	96.89	75.32	40.06	4159.77	4595.47	2021.87

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
920	ok	2.04						
921	ok	2.72						
922	ok	3.06						
923	ok	2.68						
924	ok	2.80						
925	ok Av	5.30	0.18	0.10	5.2	3.0	108.1	62.8
926	ok	3.23						
927	ok	4.78						
928	ok Av	6.33	0.25	4.68e-03	7.2	0.1	149.5	2.8
929	ok	2.81						
930	ok	1.18						
931	ok	0.88						
932	ok	1.21						
933	ok	1.50						
934	ok	1.70						
935	ok	1.61						
936	ok	1.39						
937	ok	1.28						
938	ok	0.95						
939	ok	0.84						
940	ok	2.81						
941	ok	2.05						
942	ok	1.69						
943	ok	2.17						
944	ok	2.19						
945	ok	1.93						
946	ok	1.08						
947	ok	1.14						
948	ok	1.19						
949	ok	1.43						
950	ok	1.68						
951	ok	1.41						
952	ok	1.16						
953	ok	0.95						
954	ok	1.11						
955	ok	1.08						
956	ok Av	8.40	0.31	0.30	8.9	8.6	184.4	179.0
957	ok	2.45						
958	ok Av	5.49	0.21	0.04	6.1	1.3	126.8	26.7
959	ok Av	8.25	0.32	0.21	9.2	6.1	192.0	127.4
960	ok	3.21						
961	ok	1.89						
962	ok	0.88						
963	ok	1.26						
964	ok	2.42						
965	ok	1.89						
966	ok	1.50						
967	ok	4.13						
968	ok	3.14						
969	ok	1.69						
970	ok	3.18						
971	ok	1.06						
972	ok	0.85						
973	ok	0.88						
974	ok	1.26						
975	ok	1.47						
976	ok Av	5.67	0.06	0.21	1.9	6.2	38.4	128.2
979	ok	4.46						
980	ok	2.85						
981	ok	2.45						
982	ok	1.36						
983	ok	1.25						
984	ok	1.69						
985	ok	1.42						

986	ok	1.91						
987	ok	1.83						
990	ok	3.03						
991	ok	0.84						
992	ok	0.74						
993	ok	1.01						
994	ok	1.63						
995	ok	1.79						
996	ok	4.79						
997	ok	1.62						
998	ok	1.29						
999	ok	4.21						
1000	ok	2.76						
1001	ok	2.80						
1002	ok	1.84						
1003	ok	1.41						
1004	ok	1.29						
1005	ok	1.90						
1006	ok	4.16						
1007	ok	2.86						
1010	ok	1.47						
1011	ok	0.76						
1012	ok	0.92						
1013	ok	1.30						
1014	ok	1.92						
1015	ok	2.05						
1016	ok	1.63						
1017	ok	1.84						
1018	ok	3.12						
1019	ok	2.74						
1020	ok Av	6.89	0.25	0.22	7.3	6.5	151.9	134.7
1021	ok	3.58						
1022	ok	1.70						
1023	ok	1.45						
1024	ok	1.35						
1025	ok	1.27						
1026	ok	1.58						
1027	ok	2.13						
1028	ok	2.21						
1029	ok	3.06						
1030	ok	2.77						
1031	ok	2.11						
1032	ok	1.67						
1033	ok	1.04						
1034	ok	2.11						
1035	ok	2.46						
1036	ok	2.75						
1037	ok	3.66						
1038	ok	1.51						
1039	ok	1.37						
1040	ok	1.41						
1041	ok	1.43						
1042	ok	1.73						
1043	ok	2.24						
1044	ok	2.25						
1045	ok	1.29						
1048	ok	0.96						
1049	ok	3.03						
1050	ok	2.56						
1051	ok	3.45						
1052	ok	1.86						
1053	ok	2.17						
1054	ok	2.01						
1055	ok	3.11						
1056	ok Av	5.42	0.09	0.19	2.5	5.6	52.0	117.2
1057	ok	3.53						
1058	ok	1.70						
1059	ok	1.54						
1060	ok	1.30						
1061	ok	1.28						
1062	ok	1.54						
1063	ok	2.04						
1064	ok	2.11						
1065	ok	2.44						
1066	ok	1.30						
1067	ok	3.17						
1068	ok	3.25						
1069	ok Av	6.11	0.08	0.22	2.4	6.5	49.9	135.2
1070	ok Av	9.12	0.33	0.31	9.7	9.1	201.3	189.8

1071	ok	4.41						
1072	ok	1.59						
1073	ok	1.60						
1074	ok	1.92						
1075	ok	1.06						
1076	ok	2.02						
1077	ok	1.51						
1078	ok	2.02						
1079	ok	4.50						
1080	ok Av	5.33	0.08	0.19	2.5	5.5	51.2	114.8
1083	ok	1.83						
1084	ok	2.15						
1085	ok	2.13						
1086	ok	1.82						
1089	ok	1.24						
1090	ok	0.74						
1091	ok	0.88						
1092	ok	1.16						
1093	ok	1.78						
1094	ok	1.98						
1095	ok Av	5.89	0.09	0.21	2.6	6.1	54.6	127.8
1096	ok	1.64						
1097	ok	1.93						
1098	ok	4.25						
1099	ok	4.18						
1100	ok	4.70						
1103	ok	2.66						
1104	ok	1.37						
1105	ok	1.75						
1106	ok	1.71						
1109	ok	3.43						
1110	ok	0.96						
1111	ok	0.75						
1112	ok	0.94						
1113	ok	1.50						
1114	ok	1.73						
1115	ok Av	5.33	0.07	0.20	2.0	5.7	42.2	118.6
1118	ok	4.05						
1119	ok Av	7.00	0.03	0.27	0.9	7.9	19.7	164.0
1120	ok Av	6.74	0.03	0.26	0.8	7.6	17.4	158.8
1123	ok	3.50						
1124	ok	1.69						
1125	ok	1.28						
1126	ok	3.67						
1127	ok	2.99						
1128	ok	1.73						
1129	ok	3.61						
1130	ok	1.15						
1131	ok	0.87						
1132	ok	0.83						
1133	ok	1.10						
1134	ok	1.40						
1135	ok Av	10.79	0.42	0.26	12.1	7.7	250.6	159.5
1136	ok	2.34						
1137	ok Av	5.41	0.21	0.04	6.0	1.1	125.5	23.5
1138	ok Av	9.94	0.37	0.19	10.8	5.7	223.8	117.5
1139	ok Av	6.11	0.04	0.24	1.1	6.8	23.5	142.2
1140	ok Av	5.23	0.07	0.19	2.0	5.6	41.9	116.2
1141	ok Av	5.88	0.23	0.04	6.6	1.2	136.5	25.3
1142	ok	2.76						
1143	ok Av	8.82	0.33	0.19	9.6	5.6	200.3	116.0
1144	ok	2.68						
1145	ok	2.34						
1146	ok	2.81						
1147	ok	2.31						
1148	ok	1.20						
1149	ok	4.09						
1150	ok	3.75						
1151	ok	1.78						
1152	ok	2.68						
1153	ok	2.20						
1154	ok	2.47						
1155	ok	3.16						
1156	ok	2.87						
1157	ok	2.05						
1158	ok	1.26						
1159	ok	0.85						
1160	ok	0.94						
1161	ok	1.16						

1162	ok	1.53						
1163	ok	1.82						
1164	ok	1.51						
1165	ok	1.20						
1166	ok	1.05						
1167	ok	0.97						
1168	ok	1.01						
1169	ok	3.23						
1170	ok Av	5.24	0.20	0.05	5.9	1.4	122.2	30.1
1171	ok Av	5.41	0.21	0.02	6.1	0.5	127.4	9.7
1172	ok	2.93						
1173	ok	2.61						
1174	ok	2.64						
1175	ok	2.73						
1176	ok	4.70						
1177	ok	4.79						
1178	ok	3.23						
1179	ok	1.30						
1180	ok	0.95						
1181	ok	1.36						
1182	ok	1.64						
1183	ok	1.83						
1184	ok	1.75						
1185	ok	1.59						
1186	ok	1.47						
1187	ok	1.11						
1188	ok	0.85						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	10.79	0.42	0.31	12.06	9.13	250.56	189.79

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
2	420.00	20.00	50.00	50.00	500.00	58.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-470.0	8d14	14/20	14/30	0.03	2.51e-03	0.03	0.03	0.02	0.04	0.0	5.148e+05	1.096e+04
-428.0	8d14	14/20	14/30	0.03	1.88e-03	0.04	0.02	0.02	0.05	0.0	5.148e+05	1.096e+04
-386.0	0d0	14/20	14/30	0.03	1.51e-03	0.02	0.01	0.02	0.0	0.0	5.148e+05	1.096e+04
-344.0	0d0	14/20	14/30	0.03	2.90e-03	0.01	0.02	0.02	0.0	0.0	5.148e+05	1.096e+04
-302.0	0d0	14/20	14/30	0.03	4.39e-03	0.02	0.04	0.02	0.0	0.0	5.148e+05	1.042e+04
-250.0	0d0	14/20	14/30	0.02	0.01	0.02	0.04	0.02	0.0	0.0	5.148e+05	9397.56
-218.0	0d0	14/20	14/30	0.03	7.67e-03	0.03	0.04	0.04	0.0	0.0	5.148e+05	8771.06
-176.0	0d0	14/20	14/30	0.03	6.95e-03	0.02	0.02	0.03	0.0	0.0	5.148e+05	7948.77
-148.0	0d0	14/20	14/30	0.02	6.56e-03	0.02	0.02	0.02	0.0	0.0	5.007e+05	7400.58
-134.0	0d0	14/20	14/30	0.02	5.93e-03	0.02	0.02	0.02	0.0	0.0	4.908e+05	7126.48
-120.0	0d0	14/20	14/30	0.02	5.95e-03	0.01	0.02	0.02	0.0	0.0	4.809e+05	6852.39
-92.0	0d0	14/20	14/30	0.02	5.36e-03	0.01	0.02	0.02	0.0	0.0	4.612e+05	6304.20
-50.0	0d0	14/20	14/30	0.02	4.90e-03	0.01	0.01	0.02	0.0	0.0	4.316e+05	5481.91

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.03	0.01	0.04	0.04	0.04	0.05

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-470.0	-1.326e+04	-8633.02	6.268e+04	-1.185e+04	2570.93	-1.185e+04	1.559e+04	2570.93	-1.185e+04	1.559e+04	2570.93
-428.0	-1.332e+04	-9993.12	4.735e+04	-9983.05	3407.86	-1.197e+04	3.667e+04	1586.43	-9983.05	4.725e+04	3407.86
-386.0	-1.303e+04	-1.161e+04	3.318e+04	-9765.43	3651.30	-1.182e+04	2.507e+04	979.28	0.0	0.0	0.0
-344.0	-1.256e+04	-1.135e+04	6.394e+04	-9537.59	2408.59	-1.150e+04	3.209e+04	1594.61	0.0	0.0	0.0
-302.0	-1.171e+04	-8186.41	9.523e+04	-1.085e+04	3587.78	-1.085e+04	4.967e+04	3587.78	0.0	0.0	0.0
-250.0	-9441.09	-6136.05	2.429e+05	-8761.98	3265.21	-8761.98	1.733e+05	3265.21	0.0	0.0	0.0
-218.0	-1.719e+04	-1.468e+04	5.148e+05	-1.464e+04	1.096e+04	-1.240e+04	2.399e+05	5918.78	0.0	0.0	0.0
-176.0	-1.727e+04	-1.533e+04	4.675e+05	-1.520e+04	7316.81	-1.568e+04	4.498e+05	2914.86	0.0	0.0	0.0
-148.0	-1.584e+04	-1.448e+04	4.206e+05	-1.438e+04	5788.80	-1.468e+04	4.089e+05	3603.03	0.0	0.0	0.0
-134.0	-1.484e+04	-1.375e+04	3.969e+05	-1.372e+04	5236.97	-1.398e+04	3.839e+05	3508.61	0.0	0.0	0.0
-120.0	-1.415e+04	-1.328e+04	3.802e+05	-1.321e+04	4908.35	-1.347e+04	3.690e+05	3425.46	0.0	0.0	0.0

-92.0	-1.299e+04	-1.244e+04	3.574e+05	-1.234e+04	4679.05	-1.257e+04	3.494e+05	2964.63	0.0	0.0	0.0
-50.0	-1.147e+04	-1.134e+04	3.260e+05	-1.116e+04	4919.93	-1.108e+04	2.697e+05	1791.42	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-470.0	1.00	2570.93	7.630e+04	1.00	9.192e+04	7.630e+04	4.819e+04	2996.24	1.0	40.0	0.0	2.086e+04
-428.0	1.00	3407.86	7.615e+04	1.00	9.192e+04	7.631e+04	4.819e+04	2996.24	1.0	40.0	0.0	2.057e+04
-386.0	1.00	3651.30	1.916e+05	1.00	9.252e+04	1.920e+05	0.0	0.0	0.0	0.0	0.0	0.0
-344.0	1.00	2408.59	1.915e+05	1.00	9.252e+04	1.919e+05	0.0	0.0	0.0	0.0	0.0	0.0
-302.0	1.00	3587.78	1.918e+05	1.00	9.252e+04	1.918e+05	0.0	0.0	0.0	0.0	0.0	0.0
-250.0	1.00	3265.21	1.914e+05	1.00	9.252e+04	1.914e+05	0.0	0.0	0.0	0.0	0.0	0.0
-218.0	1.00	1.096e+04	3.308e+05	1.00	1.600e+05	3.304e+05	0.0	0.0	0.0	0.0	0.0	0.0
-176.0	1.00	7316.81	3.309e+05	1.00	1.600e+05	3.310e+05	0.0	0.0	0.0	0.0	0.0	0.0
-148.0	1.00	5788.80	3.308e+05	1.00	1.600e+05	3.308e+05	0.0	0.0	0.0	0.0	0.0	0.0
-134.0	1.00	5236.97	3.306e+05	1.00	1.600e+05	3.307e+05	0.0	0.0	0.0	0.0	0.0	0.0
-120.0	1.00	4908.35	3.305e+05	1.00	1.600e+05	3.306e+05	0.0	0.0	0.0	0.0	0.0	0.0
-92.0	1.00	4679.05	3.304e+05	1.00	1.600e+05	3.304e+05	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	1.00	4919.93	3.301e+05	1.00	1.600e+05	3.301e+05	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-470.0	0.02	-9632.80	6.076e+04	2423.36	1.43	3.254e+04	1.250e+05	0.0	5.13e-03	7.70e-03	0.0
-428.0	0.02	-9983.05	4.725e+04	3407.86	1.43	3.289e+04	1.250e+05	0.0	5.13e-03	7.70e-03	0.0
-386.0	0.02	-9765.43	6619.09	3651.30	1.43	3.052e+04	1.250e+05	0.0	5.13e-03	7.70e-03	0.0
-344.0	0.02	-9537.59	4.676e+04	2408.59	1.43	3.030e+04	1.250e+05	0.0	5.13e-03	7.70e-03	0.0
-302.0	0.02	-9014.11	8.246e+04	3492.89	1.38	2.978e+04	1.203e+05	0.0	5.13e-03	7.70e-03	0.0
-250.0	0.02	-7071.65	2.162e+05	3163.57	1.38	2.785e+04	1.203e+05	0.0	5.13e-03	7.70e-03	0.0
-218.0	0.04	-1.464e+04	5.945e+04	1.096e+04	1.43	4.961e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0
-176.0	0.03	-1.520e+04	1.202e+04	7316.81	1.43	5.016e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0
-148.0	0.02	-1.438e+04	3.284e+04	5788.80	1.43	4.934e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0
-134.0	0.02	-1.372e+04	6.098e+04	5236.97	1.43	4.868e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.02	-1.321e+04	7.854e+04	4908.35	1.43	4.818e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0
-92.0	0.02	-1.234e+04	1.076e+05	4679.05	1.43	4.731e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0
-50.0	0.02	-1.116e+04	1.711e+05	4919.93	1.43	4.613e+04	2.155e+05	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.04	0.0

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	0.16	4.36e-02	9.82e-03	10.6	10.6	5.1	5.1	-13.9	42.2	-36.1	-159.1	-122.1	6.1
2	ok	0.16	0.3	1.49e-02	10.6	10.6	5.1	5.1	-30.3	19.2	-7.3	-1598.0	-438.9	-275.9
3	ok	0.15	0.7	1.86e-02	7.7	7.7	5.1	5.1	-49.6	-11.6	2.7	-3719.7	-743.5	-299.7
4	ok	0.15	1.0	2.50e-02	8.6	7.7	5.2	5.1	-67.1	-41.3	17.9	-5682.0	-1078.8	-264.9
5	ok	0.17	1.0	2.82e-02	10.9	7.7	5.2	5.1	-80.2	-62.0	14.3	-7073.8	-1341.9	-152.6
6	ok	0.18	1.0	2.84e-02	11.9	7.7	5.1	5.1	-85.2	-70.7	8.8	-7635.4	-1450.0	-32.1
7	ok	0.17	1.0	2.73e-02	11.3	7.7	5.1	5.1	-81.6	-66.0	-8.8	-7295.6	-1379.6	130.9
8	ok	0.16	1.0	2.47e-02	9.3	7.7	5.2	5.1	-69.6	-50.1	-12.8	-6076.7	-1143.5	251.4
9	ok	0.15	0.8	1.94e-02	7.7	7.7	5.1	5.1	-52.1	-26.2	-3.1	-4170.9	-813.1	304.9
10	ok	0.16	0.3	1.60e-02	10.6	10.6	5.1	5.1	-32.9	2.6	2.5	-1931.1	-483.7	307.7
11	ok	0.16	6.02e-02	9.22e-03	10.6	10.6	5.1	5.1	-15.6	26.2	28.0	-266.1	-163.3	15.4
145	ok	0.16	0.8	3.69e-02	10.6	10.6	5.1	5.1	-47.8	-86.6	-33.5	-555.6	-2893.7	-81.5
146	ok	0.16	0.5	3.75e-02	10.6	10.6	5.1	5.1	-35.5	-86.2	14.5	-157.4	-829.6	-1554.8
147	ok	0.15	0.4	3.97e-02	7.7	7.7	5.1	5.1	-51.8	-90.8	29.6	-74.6	106.5	-1780.6
148	ok	0.15	0.4	3.96e-02	7.7	7.7	5.1	5.1	-56.4	-95.6	29.0	-364.9	554.1	-1356.6
149	ok	0.15	0.3	3.73e-02	7.7	7.7	5.1	5.1	-63.5	-97.7	18.2	-546.6	749.3	-795.6
150	ok	0.15	0.3	3.53e-02	7.7	7.7	5.1	5.1	-66.5	-98.9	4.5	-635.6	813.0	-99.3
151	ok	0.15	0.3	3.56e-02	7.7	7.7	5.1	5.1	-63.8	-99.4	-8.9	-593.5	790.9	633.8
152	ok	0.15	0.4	3.78e-02	7.7	7.7	5.1	5.1	-56.4	-99.4	-20.2	-445.1	651.6	1258.3
153	ok	0.15	0.4	3.91e-02	7.7	7.7	5.1	5.1	-50.3	-98.0	-23.7	-133.9	271.6	1802.0
154	ok	0.16	0.5	3.96e-02	10.6	10.6	5.1	5.1	-44.3	-94.1	-18.9	-212.2	-618.2	1804.7
155	ok	0.16	0.7	4.31e-02	10.6	10.6	5.1	5.1	-53.4	-105.5	36.9	-550.0	-2726.3	269.9
190	ok	0.15	1.0	6.77e-02	7.7	7.7	8.5	5.1	-114.4	-189.8	-35.0	-1118.4	-6270.4	-16.8
191	ok	0.15	0.6	6.43e-02	7.7	7.7	5.1	5.1	-63.7	-178.4	18.5	-9.0	-2130.6	-1098.5
192	ok	0.15	0.5	6.05e-02	7.7	7.7	5.1	5.1	-48.2	-165.4	26.6	970.6	357.7	-1495.7
193	ok	0.15	0.6	5.72e-02	7.7	7.7	5.1	5.1	-45.1	-155.1	23.3	1662.0	1699.7	-1302.3
194	ok	0.15	0.7	5.46e-02	7.7	7.7	5.1	5.1	-46.3	-148.1	14.4	2075.3	2386.1	-788.7
195	ok	0.15	0.6	5.32e-02	7.7	7.7	5.1	5.1	-47.6	-144.9	3.0	2225.5	2629.6	-113.6
196	ok	0.15	0.7	5.34e-02	7.7	7.7	5.1	5.1	-46.9	-145.8	-5.4	2121.9	2516.7	605.7
197	ok	0.15	0.7	5.51e-02	7.7	7.7	5.1	5.1	-45.4	-150.9	-13.3	1750.7	1986.4	1184.2
198	ok	0.15	0.5	5.81e-02	7.7	7.7	5.1	5.1	-46.0	-160.5	-15.4	1092.4	836.9	1502.8
199	ok	0.15	0.5	6.23e-02	7.7	7.7	5.1	5.1	-57.3	-175.2	-1.5	154.5	-1331.9	1474.5
200	ok	0.15	1.0	6.83e-02	7.8	7.7	7.1	5.1	-108.9	-185.2	40.3	-935.7	-5422.8	281.6
237	ok	0.18	1.0	7.62e-02	7.7	7.7	12.3	5.1	-137.0	-228.8	-32.9	-1541.5	-8346.3	27.6
238	ok	0.15	0.7	7.83e-02	7.7	7.7	5.1	5.1	-78.7	-220.8	6.2	-214.2	-3119.0	-539.1

239	ok	0.15	0.3	7.41e-02	7.7	7.7	5.1	5.1	-48.6	-208.9	7.0	1003.3	247.6	-802.1
240	ok	0.15	0.6	7.04e-02	7.7	7.7	5.1	5.1	-36.5	-196.3	8.4	1970.8	2254.0	-748.0
241	ok	0.15	0.8	6.77e-02	7.7	7.7	5.1	5.1	-32.6	-187.1	5.4	2593.5	3347.7	-473.1
242	ok	0.15	0.9	6.61e-02	7.7	7.7	5.1	5.1	-32.3	-182.2	0.4	2840.0	3749.7	-78.2
243	ok	0.15	0.8	6.58e-02	7.7	7.7	5.1	5.1	-34.1	-181.7	-2.6	2700.0	3551.4	339.4
244	ok	0.15	0.7	6.64e-02	7.7	7.7	5.1	5.1	-39.0	-184.3	-5.0	2180.6	2697.4	658.7
245	ok	0.15	0.4	6.73e-02	7.7	7.7	5.1	5.1	-49.9	-188.4	-1.5	1305.0	1007.2	802.0
246	ok	0.15	0.5	6.92e-02	7.7	7.7	5.1	5.1	-71.7	-194.3	13.5	122.4	-1851.4	811.2
247	ok	0.16	1.0	6.82e-02	7.7	7.7	9.2	5.1	-115.8	-188.2	-27.0	-1134.8	-6619.8	250.7
280	ok	0.20	1.0	7.22e-02	7.7	7.7	13.6	5.1	-125.0	-223.5	-27.1	-1717.0	-8967.4	52.7
281	ok	0.15	0.8	7.93e-02	7.7	7.7	5.1	5.1	-79.3	-218.5	-11.1	-455.6	-3655.5	-15.0
282	ok	0.15	0.2	7.62e-02	7.7	7.7	5.1	5.1	-51.4	-215.3	-8.9	769.1	36.3	-124.7
283	ok	0.15	0.6	7.41e-02	7.7	7.7	5.1	5.1	-35.0	-207.7	-5.4	1715.7	2353.6	-165.5
284	ok	0.15	0.8	7.24e-02	7.7	7.7	5.1	5.1	-27.6	-201.5	-3.7	2344.1	3664.5	-124.2
285	ok	0.15	0.9	7.16e-02	7.7	7.7	5.1	5.1	-25.8	-198.1	-3.3	2603.2	4157.6	-29.1
286	ok	0.15	0.9	7.17e-02	7.7	7.7	5.1	5.1	-28.0	-198.1	-1.4	2473.7	3914.1	79.3
287	ok	0.15	0.7	7.24e-02	7.7	7.7	5.1	5.1	-35.4	-199.7	-2.7	1975.5	2891.4	150.0
288	ok	0.15	0.3	7.25e-02	7.7	7.7	5.1	5.1	-51.4	-198.9	-4.9	1164.8	952.4	158.4
289	ok	0.15	0.5	6.99e-02	7.7	7.7	5.1	5.1	-73.4	-184.6	-22.9	83.5	-2094.6	126.6
290	ok	0.16	1.0	5.66e-02	7.7	7.7	9.2	5.1	-85.3	-156.0	-35.8	-1127.0	-6486.5	40.7
325	ok	0.19	1.0	6.51e-02	7.7	7.7	12.5	5.1	-98.1	-185.4	21.3	-1645.6	-8287.6	3.7
326	ok	0.15	0.8	6.82e-02	7.7	7.7	5.1	5.1	-73.3	-191.8	-7.3	-634.8	-3585.1	393.9
327	ok	0.15	0.2	6.84e-02	7.7	7.7	5.1	5.1	-48.0	-190.7	-11.7	524.4	-143.7	469.8
328	ok	0.15	0.5	6.83e-02	7.7	7.7	5.1	5.1	-34.7	-188.0	-13.3	1292.6	2099.4	388.9
329	ok	0.15	0.8	6.80e-02	7.7	7.7	5.1	5.1	-27.8	-186.1	-8.9	1808.7	3397.6	221.1
330	ok	0.15	0.9	6.83e-02	7.7	7.7	5.1	5.1	-25.3	-186.1	-0.2	2021.6	3897.9	23.5
331	ok	0.15	0.8	6.97e-02	7.7	7.7	5.1	5.1	-25.6	-189.5	5.4	1908.0	3663.6	-177.8
332	ok	0.15	0.6	7.26e-02	7.7	7.7	5.1	5.1	-28.2	-197.6	10.3	1474.3	2664.7	-352.5
333	ok	0.15	0.3	7.89e-02	7.7	7.7	5.1	5.1	-30.8	-214.0	13.0	743.5	806.7	-465.6
334	ok	0.15	0.5	9.71e-02	7.7	7.7	5.1	5.1	-40.2	-257.4	-6.3	-450.2	-2218.8	-442.8
335	ok	0.15	1.0	0.2	8.1	7.7	9.0	5.1	-42.4	-446.1	121.5	-1776.9	-7400.9	-468.0
336	ok	0.15	0.2	2.60e-02	7.7	7.7	5.1	5.1	-42.6	-46.2	14.4	-386.4	-557.6	-57.3
337	ok	0.15	0.2	2.91e-02	7.7	7.7	5.1	5.1	-50.5	-56.5	17.6	-901.3	-193.2	-66.2
338	ok	0.15	0.3	2.86e-02	7.7	7.7	5.1	5.1	-57.9	-53.2	15.6	-1397.7	-244.0	-28.0
339	ok	0.15	0.3	2.40e-02	7.7	7.7	5.1	5.1	-59.4	-43.2	9.0	-1536.5	-278.0	3.9
340	ok	0.15	0.3	2.04e-02	7.7	7.7	5.1	5.1	-54.3	-33.8	6.6	-1433.7	-253.6	25.3
341	ok	0.15	0.3	1.77e-02	7.7	7.7	5.1	5.1	-47.7	-25.0	13.1	-1287.0	-232.7	36.2
342	ok	0.15	0.2	1.51e-02	7.7	7.7	5.1	5.1	-42.2	-17.2	10.7	-1084.9	-211.0	48.8
343	ok	0.15	0.2	1.27e-02	7.7	7.7	5.1	5.1	-28.6	-5.2	9.4	-742.4	-187.5	58.6
344	ok	0.15	4.61e-02	6.60e-04	7.7	7.7	5.1	5.1	8.9	18.2	14.6	-158.7	-130.2	2.9
477	ok	0.17	1.0	5.63e-02	7.7	7.7	10.7	5.1	-82.6	-170.1	-15.9	-1423.0	-7282.0	37.9
478	ok	0.15	0.8	6.15e-02	7.7	7.7	5.1	5.1	-59.2	-166.0	-11.0	-494.1	-3134.8	603.7
479	ok	0.15	0.2	6.00e-02	7.7	7.7	5.1	5.1	-47.3	-166.8	-15.0	363.9	-180.6	734.8
480	ok	0.15	0.5	5.99e-02	7.7	7.7	5.1	5.1	-39.0	-165.0	-14.9	1009.9	1820.0	644.4
481	ok	0.15	0.7	5.99e-02	7.7	7.7	5.1	5.1	-34.7	-164.2	-9.0	1439.8	2992.3	383.1
482	ok	0.15	0.8	6.03e-02	7.7	7.7	5.1	5.1	-33.3	-165.0	-0.8	1615.8	3450.1	47.3
483	ok	0.15	0.8	6.17e-02	7.7	7.7	5.1	5.1	-34.1	-168.1	10.4	1521.6	3239.0	-310.3
484	ok	0.15	0.6	6.45e-02	7.7	7.7	5.1	5.1	-37.1	-174.5	20.8	1159.7	2334.7	-608.0
485	ok	0.15	0.3	7.01e-02	7.7	7.7	5.1	5.1	-44.5	-185.9	34.9	543.0	648.6	-794.2
486	ok	0.15	0.6	8.71e-02	7.7	7.7	5.1	5.1	-72.2	-207.5	74.7	-281.2	-2121.8	-833.6
487	ok	0.15	1.0	6.81e-02	7.8	7.7	8.7	5.1	-92.4	-159.9	63.6	-1115.7	-5736.1	-250.5
488	ok	0.15	0.3	3.13e-02	7.7	7.7	5.1	5.1	-30.9	-82.5	22.0	-488.1	-959.1	-120.9
489	ok	0.15	0.1	2.74e-02	7.7	7.7	5.1	5.1	-46.6	-61.1	16.6	-61.2	74.2	-312.9
490	ok	0.15	0.1	2.32e-02	7.7	7.7	5.1	5.1	-49.4	-52.1	9.5	89.0	215.2	-187.4
491	ok	0.15	9.89e-02	1.86e-02	7.7	7.7	5.1	5.1	-47.0	-41.0	11.3	141.4	258.3	22.7
492	ok	0.15	0.1	1.57e-02	7.7	7.7	5.1	5.1	-43.3	-37.7	4.2	146.8	221.8	141.5
493	ok	0.15	0.1	1.55e-02	7.7	7.7	5.1	5.1	-40.0	-36.3	-8.0	142.9	180.1	218.3
494	ok	0.15	0.1	1.55e-02	7.7	7.7	5.1	5.1	-34.5	-33.9	-11.7	131.9	130.4	275.5
495	ok	0.15	9.98e-02	1.53e-02	7.7	7.7	5.1	5.1	-22.0	-30.2	-4.5	56.5	-33.7	347.3
496	ok	0.15	0.2	1.66e-02	7.7	7.7	5.1	5.1	-12.0	-35.3	14.3	-142.2	-752.8	30.5
551	ok	0.15	1.0	4.49e-02	7.7	7.7	8.0	5.1	-52.6	-118.7	16.9	-1101.2	-5502.5	9.7
552	ok	0.15	0.7	4.52e-02	7.7	7.7	5.1	5.1	-48.1	-123.5	-10.4	-459.0	-2442.4	753.5
553	ok	0.15	0.3	4.61e-02	7.7	7.7	5.1	5.1	-41.6	-123.9	-18.3	207.7	-166.7	993.7
554	ok	0.15	0.5	4.65e-02	7.7	7.7	5.1	5.1	-41.1	-123.5	-16.6	658.7	1346.5	867.5
555	ok	0.15	0.6	4.65e-02	7.7	7.7	5.1	5.1	-41.9	-123.5	-9.6	954.1	2247.7	520.5
556	ok	0.15	0.7	4.67e-02	7.7	7.7	5.1	5.1	-43.3	-123.9	0.3	1076.4	2604.5	64.0
557	ok	0.15	0.6	4.72e-02	7.7	7.7	5.1	5.1	-45.3	-124.8	14.6	1020.4	2443.9	-414.2
558	ok	0.15	0.5	4.79e-02	7.7	7.7	5.1	5.1	-49.0	-124.8	25.1	796.5	1742.0	-806.7
559	ok	0.15	0.3	4.77e-02	7.7	7.7	5.1	5.1	-56.9	-120.8	32.5	428.6	442.3	-1017.5
560	ok	0.15	0.5	4.44e-02	7.7	7.7	5.1	5.1	-74.5	-105.7	31.1	-127.7	-1540.3	-903.4
561	ok	0.15	1.0	3.71e-02	7.8	7.7	5.8	5.1	-90.4	-90.4	20.3	-673.3	-4104.4	-376.3
562	ok	0.15	0.3	2.80e-02	7.7	7.7	5.1	5.1	-48.8	-78.5	2.9	-55.1	-856.8	-135.7
563	ok	0.15	9.59e-02	2.45e-02	7.7	7.7	5.1	5.1	-37.1	-65.5	2.7	348.3	150.6	-68.0
564	ok	0.15	0.2	2.16e-02	7.7	7.7	5.1	5.1	-35.8	-55.6	3.8	579.7	511.2	-43.9
565	ok	0.15	0.2	2.04e-02	7.7	7.7	5.1	5.1	-31.8	-51.2	0.1	645.9	620.1	32.5
566	ok	0.15	0.2	2.07e-02	7.7	7.7	5.1	5.1	-28.7	-51.3	-2.3	588.4	551.6	76.5
567	ok	0.15	0.2	2.11e-02	7.7	7.7	5.1	5.1	-26.4	-52.5	-3.6	511.2	445.7	101.0
568	ok	0.15	0.1	2.16e-02	7.7	7.7	5.1	5.1	-23.3	-54.6	-5.4	408.7	284.2	114.5
569	ok	0.15	7.71e-02	2.28e-02	7.7	7.7	5.1	5.1	-6.9	-63.6	-10.9	203.1	-98.1	127.8

570	ok	0.15	0.4	2.63e-02	7.7	7.7	5.1	5.1	-36.0	-65.4	-14.6	-236.1	-1496.7	8.4
625	ok	0.15	1.0	3.58e-02	7.7	7.7	6.0	5.1	-28.1	-93.6	14.5	-862.9	-4391.1	11.9
626	ok	0.15	0.6	3.54e-02	7.7	7.7	5.1	5.1	-38.6	-93.4	-17.8	-353.5	-1834.9	811.7
627	ok	0.15	0.3	3.57e-02	7.7	7.7	5.1	5.1	-39.9	-92.5	-15.7	92.4	-160.2	1068.6
628	ok	0.15	0.4	3.62e-02	7.7	7.7	5.1	5.1	-44.6	-93.7	-15.8	381.7	980.4	937.1
629	ok	0.15	0.5	3.62e-02	7.7	7.7	5.1	5.1	-49.1	-94.6	-8.9	564.9	1659.3	561.4
630	ok	0.15	0.5	3.62e-02	7.7	7.7	5.1	5.1	-52.3	-95.4	4.2	640.8	1936.1	68.8
631	ok	0.15	0.5	3.63e-02	7.7	7.7	5.1	5.1	-54.1	-95.7	11.5	612.9	1821.6	-438.6
632	ok	0.15	0.5	3.64e-02	7.7	7.7	5.1	5.1	-55.2	-94.7	23.0	485.7	1298.4	-848.9
633	ok	0.15	0.3	3.60e-02	7.7	7.7	5.1	5.1	-57.1	-90.7	26.2	262.3	325.8	-1063.4
634	ok	0.15	0.4	3.27e-02	7.7	7.7	5.1	5.1	-64.0	-82.7	20.1	-117.4	-1135.3	-942.3
635	ok	0.15	0.9	2.63e-02	7.7	7.7	5.1	5.1	-68.2	-71.6	2.1	-531.8	-3152.6	-414.5
636	ok	0.15	0.2	2.29e-02	7.7	7.7	5.1	5.1	-43.8	-63.9	0.1	65.4	-663.1	-21.2
637	ok	0.15	9.67e-02	2.14e-02	7.7	7.7	5.1	5.1	-35.3	-57.6	-5.7	388.7	176.9	53.7
638	ok	0.15	0.2	2.00e-02	7.7	7.7	5.1	5.1	-34.3	-50.4	-2.0	596.0	523.6	41.4
639	ok	0.15	0.2	1.97e-02	7.7	7.7	5.1	5.1	-30.9	-48.0	-0.2	639.2	628.6	8.7
640	ok	0.15	0.2	2.02e-02	7.7	7.7	5.1	5.1	-27.5	-49.2	1.0	571.7	559.7	-11.5
641	ok	0.15	0.2	2.08e-02	7.7	7.7	5.1	5.1	-25.1	-51.3	-3.93e-02	486.9	444.2	-28.8
642	ok	0.15	0.1	2.16e-02	7.7	7.7	5.1	5.1	-22.8	-53.9	1.0	380.9	274.4	-40.0
643	ok	0.15	8.15e-02	2.34e-02	7.7	7.7	5.1	5.1	-23.3	-58.3	4.4	189.4	-119.2	-47.4
644	ok	0.15	0.4	2.60e-02	7.7	7.7	5.1	5.1	-38.4	-64.3	-11.3	-257.9	-1594.8	-4.4
699	ok	0.15	0.9	2.85e-02	7.7	7.7	5.1	5.1	-23.9	-79.6	11.3	-722.1	-3693.2	17.4
700	ok	0.15	0.5	3.03e-02	7.7	7.7	5.1	5.1	-31.2	-77.2	-18.5	-291.5	-1519.3	831.5
701	ok	0.15	0.3	3.04e-02	7.7	7.7	5.1	5.1	-39.9	-76.8	-18.4	-4.3	-154.5	1092.6
702	ok	0.15	0.4	3.10e-02	7.7	7.7	5.1	5.1	-47.1	-78.9	-15.1	188.0	780.8	959.3
703	ok	0.15	0.4	3.11e-02	7.7	7.7	5.1	5.1	-53.3	-80.6	-7.9	305.6	1342.1	579.2
704	ok	0.15	0.5	3.11e-02	7.7	7.7	5.1	5.1	-57.4	-81.9	1.9	355.1	1576.9	77.4
705	ok	0.15	0.5	3.13e-02	7.7	7.7	5.1	5.1	-58.6	-82.4	14.1	342.0	1494.3	-447.0
706	ok	0.15	0.4	3.22e-02	7.7	7.7	5.1	5.1	-58.0	-81.3	21.4	269.1	1061.8	-860.1
707	ok	0.15	0.3	3.18e-02	7.7	7.7	5.1	5.1	-56.8	-77.9	23.3	126.5	253.6	-1075.7
708	ok	0.15	0.4	2.82e-02	7.7	7.7	5.1	5.1	-55.0	-71.8	14.6	-110.8	-958.3	-960.2
709	ok	0.15	0.8	2.36e-02	7.7	7.7	5.1	5.1	-54.8	-63.7	-2.7	-460.9	-2650.5	-415.7
710	ok	0.15	0.2	2.04e-02	7.7	7.7	5.1	5.1	-39.2	-57.1	-2.4	58.4	-568.7	33.6
711	ok	0.15	0.1	1.92e-02	7.7	7.7	5.1	5.1	-35.4	-52.0	-8.7	346.3	167.7	120.6
712	ok	0.15	0.2	1.81e-02	7.7	7.7	5.1	5.1	-35.1	-46.2	-6.8	520.4	487.3	75.8
713	ok	0.15	0.2	1.80e-02	7.7	7.7	5.1	5.1	-32.5	-44.3	-0.9	545.0	567.8	-12.8
714	ok	0.15	0.2	1.86e-02	7.7	7.7	5.1	5.1	-28.3	-45.1	1.3	496.3	504.3	-58.6
715	ok	0.15	0.1	1.91e-02	7.7	7.7	5.1	5.1	-26.6	-47.1	3.8	420.1	407.4	-89.1
716	ok	0.15	0.1	1.99e-02	7.7	7.7	5.1	5.1	-24.4	-49.5	7.0	323.0	243.9	-113.1
717	ok	0.15	7.95e-02	2.22e-02	7.7	7.7	5.1	5.1	-9.8	-60.8	-0.5	139.5	-143.7	-117.7
718	ok	0.15	0.4	2.22e-02	7.7	7.7	5.1	5.1	-35.5	-62.9	5.6	-239.3	-1488.4	-14.0
772	ok	0.15	0.8	2.39e-02	7.7	7.7	5.1	5.1	-19.0	-65.7	12.7	-595.5	-2982.7	22.6
773	ok	0.15	0.5	2.38e-02	7.7	7.7	5.1	5.1	-26.2	-55.1	-10.0	-299.4	-1235.4	841.2
774	ok	0.15	0.3	2.51e-02	7.7	7.7	5.1	5.1	-37.2	-59.9	-14.7	-138.8	-163.2	1093.2
775	ok	0.15	0.3	2.59e-02	7.7	7.7	5.1	5.1	-47.0	-63.8	-12.8	-50.8	568.9	959.6
776	ok	0.15	0.4	2.61e-02	7.7	7.7	5.1	5.1	-55.2	-66.3	-6.0	-3.3	1009.2	579.3
777	ok	0.15	0.4	2.63e-02	7.7	7.7	5.1	5.1	-60.1	-68.0	3.5	17.5	1201.7	78.4
778	ok	0.15	0.4	2.76e-02	7.7	7.7	5.1	5.1	-61.9	-70.0	14.7	21.0	1156.8	-436.0
779	ok	0.15	0.4	2.91e-02	7.7	7.7	5.1	5.1	-58.0	-68.3	19.4	4.4	813.1	-852.6
780	ok	0.15	0.3	2.81e-02	7.7	7.7	5.1	5.1	-53.2	-65.2	20.3	-49.5	171.7	-1069.6
781	ok	0.15	0.4	2.42e-02	7.7	7.7	5.1	5.1	-47.8	-61.2	12.5	-182.1	-784.8	-974.6
782	ok	0.15	0.7	2.12e-02	7.7	7.7	5.1	5.1	-44.4	-56.5	-6.7	-396.8	-2132.7	-402.4
783	ok	0.15	0.2	1.82e-02	7.7	7.7	5.1	5.1	-34.5	-50.0	-7.2	43.1	-450.4	111.7
784	ok	0.15	0.1	1.81e-02	7.7	7.7	5.1	5.1	-34.2	-45.3	-12.0	276.2	147.0	166.6
785	ok	0.15	0.2	1.62e-02	7.7	7.7	5.1	5.1	-36.2	-40.5	-9.3	409.8	415.1	97.3
786	ok	0.15	0.2	1.60e-02	7.7	7.7	5.1	5.1	-34.2	-38.9	0.3	435.7	491.6	-24.7
787	ok	0.15	0.2	1.65e-02	7.7	7.7	5.1	5.1	-31.1	-39.6	4.5	385.7	435.0	-95.6
788	ok	0.15	0.1	1.71e-02	7.7	7.7	5.1	5.1	-28.2	-40.7	7.3	325.6	342.6	-138.9
789	ok	0.15	0.1	1.80e-02	7.7	7.7	5.1	5.1	-24.9	-42.4	6.1	248.1	200.9	-167.8
790	ok	0.15	8.58e-02	1.94e-02	7.7	7.7	5.1	5.1	-10.3	-51.9	3.4	93.1	-146.2	-200.0
791	ok	0.15	0.4	2.06e-02	7.7	7.7	5.1	5.1	-28.4	-54.2	6.5	-225.2	-1324.3	-17.4
846	ok	0.15	0.4	1.11e-02	7.7	7.7	5.1	5.1	-11.7	-24.3	12.9	-326.9	-1587.1	26.6
847	ok	0.15	0.3	1.33e-02	7.7	7.7	5.1	5.1	-11.0	-35.8	7.8	-319.8	-740.2	840.9
848	ok	0.15	0.3	1.52e-02	7.7	7.7	5.1	5.1	-32.8	-31.7	-7.8	-527.9	-192.9	1033.8
849	ok	0.15	0.3	1.90e-02	7.7	7.7	5.1	5.1	-48.8	-36.4	-7.5	-669.1	119.0	921.7
850	ok	0.15	0.2	2.12e-02	7.7	7.7	5.1	5.1	-63.3	-44.1	-5.4	-875.1	329.7	500.5
851	ok	0.15	0.2	2.37e-02	7.7	7.7	5.1	5.1	-68.8	-48.9	9.0	-920.2	454.5	57.4
852	ok	0.15	0.2	2.57e-02	7.7	7.7	5.1	5.1	-67.5	-50.1	9.8	-858.0	469.5	-374.3
853	ok	0.15	0.2	2.51e-02	7.7	7.7	5.1	5.1	-61.1	-48.7	13.4	-712.2	317.8	-717.5
854	ok	0.15	0.3	2.27e-02	7.7	7.7	5.1	5.1	-45.9	-42.7	15.4	-491.0	-24.8	-1009.1
855	ok	0.15	0.3	1.81e-02	7.7	7.7	5.1	5.1	-31.1	-43.4	9.2	-378.1	-500.5	-930.9
856	ok	0.15	0.4	1.66e-02	7.7	7.7	5.1	5.1	-21.3	-40.4	-9.5	-280.5	-1101.1	-345.2
857	ok	0.15	0.1	1.44e-02	7.7	7.7	5.1	5.1	-20.6	-34.4	-9.1	-91.9	-280.4	192.4
858	ok	0.15	9.89e-02	1.63e-02	7.7	7.7	5.1	5.1	-30.6	-28.9	-14.2	15.5	54.9	242.3
859	ok	0.15	0.1	1.61e-02	7.7	7.7	5.1	5.1	-39.2	-25.0	-9.2	64.8	189.0	132.3
860	ok	0.15	0.1	1.38e-02	7.7	7.7	5.1	5.1	-38.1	-22.8	-4.0	77.2	230.6	-45.1
861	ok	0.15	0.1	1.32e-02	7.7	7.7	5.1	5.1	-35.0	-22.7	2.7	62.5	199.8	-149.6
862	ok	0.15	0.1	1.30e-02	7.7	7.7	5.1	5.1	-32.1	-22.8	9.5	42.0	149.7	-214.3
863	ok	0.15	0.1	1.31e-02	7.7	7.7	5.1	5.1	-26.1	-22.4	12.6	14.3	76.5	-258.8

864	ok	0.15	0.1	1.38e-02	7.7	7.7	5.1	5.1	-20.4	-21.0	11.6	-49.1	-107.5	-301.1
865	ok	0.15	0.2	1.16e-02	7.7	7.7	5.1	5.1	-11.3	-29.4	4.6	-169.8	-745.5	-31.4
920	ok	0.15	3.49e-02	1.28e-02	7.7	7.7	5.1	5.1	-36.3	19.4	12.9	109.9	-86.7	3.1
921	ok	0.15	0.1	4.40e-03	7.7	7.7	5.1	5.1	-7.0	24.9	15.7	-482.0	-191.2	136.3
922	ok	0.15	0.3	1.11e-02	7.7	7.7	5.1	5.1	-30.1	10.9	12.8	-1435.6	-322.7	186.1
923	ok	0.15	0.5	1.87e-02	7.7	7.7	5.1	5.1	-53.7	-8.7	13.4	-2479.0	-493.9	170.8
924	ok	0.15	0.6	2.43e-02	7.7	7.7	5.1	5.1	-67.0	-23.3	18.8	-3234.6	-628.7	137.6
925	ok	0.15	0.6	3.07e-02	7.7	7.7	5.1	5.1	-80.1	-41.6	7.5	-3326.8	-596.7	83.5
926	ok	0.15	0.6	2.59e-02	7.7	7.7	5.1	5.1	-61.8	-48.7	3.1	-2901.9	-453.0	-47.7
927	ok	0.15	0.5	1.99e-02	7.7	7.7	5.1	5.1	-55.6	-34.3	11.1	-2400.6	-397.0	-205.2
928	ok	0.15	0.4	1.78e-02	7.7	7.7	5.1	5.1	-52.0	-11.5	10.3	-1750.4	-367.2	-254.0
929	ok	0.15	0.2	8.81e-03	7.7	7.7	5.1	5.1	-20.7	5.8	-1.4	-908.8	-276.6	-185.3
930	ok	0.15	5.72e-02	3.50e-03	7.7	7.7	5.1	5.1	5.5	5.7	-0.8	-198.5	-95.1	-53.5
931	ok	0.15	7.11e-02	4.56e-03	7.7	7.7	5.1	5.1	-8.7	6.6	-10.2	-301.2	-142.7	21.2
932	ok	0.15	0.2	1.25e-02	7.7	7.7	5.1	5.1	-30.7	-12.8	-1.7	-768.7	-151.6	22.3
933	ok	0.15	0.2	1.75e-02	7.7	7.7	5.1	5.1	-46.5	-25.4	-2.4	-1113.8	-201.2	10.0
934	ok	0.15	0.2	1.74e-02	7.7	7.7	5.1	5.1	-51.8	-25.7	-1.0	-1172.0	-215.8	-8.3
935	ok	0.15	0.2	1.51e-02	7.7	7.7	5.1	5.1	-46.2	-20.4	-0.4	-1060.3	-195.3	-21.4
936	ok	0.15	0.2	1.29e-02	7.7	7.7	5.1	5.1	-38.8	-14.8	-4.7	-923.0	-174.9	-28.6
937	ok	0.15	0.2	1.08e-02	7.7	7.7	5.1	5.1	-32.4	-8.3	-4.2	-747.5	-155.2	-36.1
938	ok	0.15	0.1	6.72e-03	7.7	7.7	5.1	5.1	-19.0	1.7	-5.9	-474.6	-130.7	-36.6
939	ok	0.15	2.53e-02	3.22e-03	7.7	7.7	5.1	5.1	16.3	15.1	-11.1	-121.4	-37.5	4.5

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
								-137.04	-446.06	-36.10	-7635.38	-8967.39	-1780.63
	0.20	0.99	0.16	11.87	10.62	13.57	5.13	16.33	42.24	121.51	2840.03	4157.64	1804.74

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	2.66						
2	ok Av	5.86	0.06	0.22	1.6	6.4	24.1	94.2
3	ok Av	8.47	0.19	0.28	5.7	8.0	82.6	117.0
4	ok Av	10.59	0.35	0.23	10.0	6.8	146.7	99.3
5	ok Av	11.85	0.44	0.16	12.7	4.6	185.3	67.2
6	ok Av	12.17	0.47	0.07	13.7	2.0	199.8	29.8
7	ok Av	12.05	0.45	0.14	13.1	4.1	191.4	59.3
8	ok Av	11.04	0.37	0.22	10.8	6.5	158.4	94.4
9	ok Av	9.07	0.23	0.28	6.7	8.1	97.5	118.1
10	ok Av	6.19	0.03	0.24	0.9	7.0	13.2	102.0
11	ok	3.12						
145	ok Av	5.89	0.17	0.15	5.0	4.4	73.5	64.4
146	ok Av	7.49	0.17	0.26	5.0	7.6	73.1	111.6
147	ok Av	7.76	0.22	0.21	6.5	6.1	94.8	89.1
148	ok Av	9.23	0.32	0.17	9.4	4.9	136.9	71.7
149	ok Av	10.57	0.39	0.15	11.2	4.4	163.9	63.9
150	ok Av	11.13	0.41	0.14	11.9	4.2	174.4	61.2
151	ok Av	10.79	0.40	0.15	11.5	4.3	168.0	63.1
152	ok Av	9.60	0.34	0.16	9.9	4.8	144.5	69.7
153	ok Av	8.11	0.25	0.20	7.2	5.9	105.3	86.3
154	ok Av	8.32	0.20	0.26	5.7	7.7	83.3	112.2
155	ok Av	7.35	0.25	0.15	7.1	4.3	104.2	63.5
190	ok Av	10.42	0.15	0.38	4.5	11.0	65.6	160.3
191	ok Av	10.56	0.20	0.36	5.9	10.4	86.6	152.4
192	ok Av	6.86	0.12	0.25	3.4	7.4	49.5	107.9
193	ok Av	6.20	0.18	0.17	5.1	4.9	75.1	71.2
194	ok Av	6.22	0.22	0.11	6.3	3.3	91.9	47.8
195	ok Av	6.18	0.23	0.07	6.7	2.0	98.5	28.9
196	ok Av	6.25	0.22	0.10	6.5	2.9	95.0	42.5
197	ok Av	6.25	0.19	0.15	5.6	4.5	81.5	65.1
198	ok Av	6.82	0.14	0.24	4.1	6.9	60.3	101.1
199	ok Av	9.40	0.16	0.35	4.5	10.0	66.3	146.5
200	ok Av	11.34	0.25	0.37	7.3	10.7	106.0	156.0
237	ok Av	12.28	0.07	0.47	2.1	13.8	30.2	201.6
238	ok Av	12.02	0.17	0.44	5.0	12.7	73.6	185.4
239	ok Av	8.52	0.10	0.32	2.8	9.3	41.6	135.2
240	ok Av	6.01	0.10	0.22	2.8	6.5	41.4	95.2
241	ok	4.38						
242	ok	3.50						
243	ok	4.08						
244	ok Av	5.35	0.11	0.18	3.1	5.2	45.9	76.3
245	ok Av	7.60	0.09	0.29	2.7	8.3	39.1	121.9
246	ok Av	10.56	0.16	0.40	4.5	11.7	66.4	170.4
247	ok Av	11.87	0.15	0.44	4.5	12.7	65.6	185.9
280	ok Av	12.12	0.01	0.47	0.4	13.8	5.1	201.3
281	ok Av	11.88	0.13	0.45	3.9	12.9	57.0	188.9
282	ok Av	9.04	0.11	0.34	3.2	9.8	46.2	142.8
283	ok Av	6.73	0.11	0.24	3.1	7.0	45.3	102.0
284	ok	4.78						

285	ok	3.27						
286	ok	4.21						
287	ok Av	6.00	0.10	0.21	3.0	6.1	44.3	89.1
288	ok Av	8.09	0.11	0.30	3.1	8.7	45.3	126.5
289	ok Av	10.45	0.13	0.39	3.9	11.2	56.4	164.0
290	ok Av	10.51	0.04	0.41	1.3	11.9	18.9	173.5
325	ok Av	10.56	0.06	0.41	1.9	11.9	27.6	174.1
326	ok Av	10.49	0.12	0.41	3.5	11.8	51.0	171.9
327	ok Av	8.14	0.07	0.31	1.9	9.1	28.0	132.8
328	ok Av	6.14	0.08	0.23	2.2	6.6	32.2	96.8
329	ok	4.42						
330	ok	3.01						
331	ok	3.89						
332	ok Av	5.53	0.08	0.20	2.3	5.8	34.1	85.4
333	ok Av	7.52	0.07	0.29	2.1	8.3	30.4	121.2
334	ok Av	10.51	0.16	0.38	4.7	11.0	69.3	160.7
335	ok Av	14.80	0.21	0.56	6.2	16.3	90.2	237.6
336	ok Av	5.80	0.23	9.47e-03	6.6	0.3	96.3	4.0
337	ok	2.58						
338	ok	3.53						
339	ok	3.80						
340	ok	3.55						
341	ok	3.22						
342	ok	2.99						
343	ok	1.89						
344	ok	0.52						
477	ok Av	9.49	0.08	0.37	2.3	10.6	34.2	155.6
478	ok Av	8.90	0.11	0.35	3.1	10.0	45.4	146.7
479	ok Av	6.96	0.06	0.27	1.7	7.7	25.3	112.8
480	ok Av	5.35	0.08	0.19	2.4	5.6	35.7	81.4
481	ok	4.04						
482	ok	3.11						
483	ok	3.67						
484	ok	4.85						
485	ok Av	6.38	0.07	0.24	1.9	7.0	28.3	102.3
486	ok Av	9.46	0.15	0.34	4.4	9.8	64.1	143.4
487	ok Av	7.96	0.08	0.30	2.4	8.7	35.1	127.3
488	ok Av	6.72	0.11	0.24	3.2	7.0	46.5	101.7
489	ok	3.66						
490	ok	3.61						
491	ok	3.89						
492	ok	3.36						
493	ok	2.97						
494	ok	2.68						
495	ok	3.15						
496	ok	1.58						
551	ok Av	7.27	0.10	0.27	2.9	7.9	42.9	115.4
552	ok Av	7.07	0.11	0.28	3.3	8.0	48.1	117.3
553	ok Av	5.65	0.04	0.22	1.0	6.3	15.0	92.7
554	ok	4.47						
555	ok	3.60						
556	ok	2.97						
557	ok	3.33						
558	ok	4.08						
559	ok	5.09						
560	ok Av	6.21	0.10	0.24	2.8	7.1	41.6	103.1
561	ok Av	5.56	0.06	0.21	1.8	6.1	26.8	88.7
562	ok	4.26						
563	ok	2.92						
564	ok	1.94						
565	ok	1.90						
566	ok	1.73						
567	ok	1.76						
568	ok	2.15						
569	ok	3.41						
570	ok	3.35						
625	ok Av	6.00	0.11	0.22	3.2	6.3	46.2	92.2
626	ok Av	5.51	0.03	0.21	0.8	6.2	11.3	90.8
627	ok	4.34						
628	ok	3.53						
629	ok	3.11						
630	ok	2.81						
631	ok	2.94						
632	ok	3.28						
633	ok	3.94						
634	ok	4.87						
635	ok	5.13						
636	ok	3.69						
637	ok	2.59						

638	ok	1.74
639	ok	1.30
640	ok	1.38
641	ok	1.60
642	ok	2.21
643	ok	3.22
644	ok	3.59
699	ok	5.14
700	ok	4.60
701	ok	3.23
702	ok	2.74
703	ok	2.79
704	ok	2.78
705	ok	2.73
706	ok	2.67
707	ok	2.96
708	ok	3.85
709	ok	4.40
710	ok	2.95
711	ok	1.93
712	ok	1.30
713	ok	1.10
714	ok	1.22
715	ok	1.40
716	ok	1.78
717	ok	2.71
718	ok	3.17
772	ok	4.38
773	ok	4.09
774	ok	2.81
775	ok	2.64
776	ok	3.05
777	ok	3.19
778	ok	3.03
779	ok	2.72
780	ok	2.58
781	ok	3.45
782	ok	3.72
783	ok	2.88
784	ok	1.92
785	ok	1.47
786	ok	1.59
787	ok	1.52
788	ok	1.52
789	ok	1.71
790	ok	2.55
791	ok	2.83
846	ok	2.76
847	ok	2.72
848	ok	2.61
849	ok	2.97
850	ok	3.72
851	ok	3.95
852	ok	3.59
853	ok	3.23
854	ok	3.00
855	ok	2.68
856	ok	2.30
857	ok	2.04
858	ok	1.87
859	ok	1.96
860	ok	2.09
861	ok	1.86
862	ok	1.67
863	ok	1.72
864	ok	2.03
865	ok	1.74
920	ok	1.99
921	ok	3.29
922	ok	3.97
923	ok	4.41
924	ok	5.00
925	ok	4.73
926	ok	3.97
927	ok	4.13
928	ok	4.22
929	ok	3.35
930	ok	1.75
931	ok	0.94

932	ok	1.44
933	ok	2.07
934	ok	2.24
935	ok	1.97
936	ok	1.74
937	ok	1.48
938	ok	1.25
939	ok	0.83

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	14.80	0.47	0.56	13.67	16.26	199.79	237.62

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
3	420.00	20.00	50.00	50.00	310.00	62.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-470.0	10d14	14/20	14/30	0.04	3.83e-03	0.07	0.03	0.09	0.07	0.0	1.584e+05	5961.27
-428.0	10d14	14/20	14/30	0.04	3.97e-03	0.07	0.04	0.10	0.07	0.0	1.584e+05	5961.27
-386.0	0d0	14/20	14/30	0.04	4.85e-03	0.03	0.03	0.10	0.0	0.0	1.584e+05	5787.44
-344.0	0d0	14/20	14/30	0.04	4.14e-03	0.03	0.03	0.09	0.0	0.0	1.584e+05	5216.41
-302.0	0d0	14/20	14/30	0.04	4.76e-03	0.02	0.02	0.07	0.0	0.0	1.584e+05	4564.75
-250.0	0d0	14/20	14/30	0.03	5.34e-03	0.01	0.01	0.05	0.0	0.0	1.584e+05	4237.87
-218.0	0d0	14/20	14/30	0.03	5.73e-03	0.01	0.01	0.05	0.0	0.0	1.584e+05	4036.71
-176.0	0d0	14/20	14/30	0.03	4.49e-03	0.01	0.01	0.04	0.0	0.0	1.584e+05	3772.70
-148.0	0d0	14/20	14/30	0.02	3.37e-03	0.01	9.94e-03	0.04	0.0	0.0	1.464e+05	3596.68
-134.0	0d0	14/20	14/30	0.02	2.58e-03	9.14e-03	9.06e-03	0.03	0.0	0.0	1.379e+05	3508.68
-120.0	0d0	14/20	14/30	0.02	2.26e-03	8.15e-03	8.13e-03	0.03	0.0	0.0	1.294e+05	3420.67
-92.0	0d0	14/20	14/30	0.02	1.97e-03	6.12e-03	5.43e-03	0.02	0.0	0.0	1.125e+05	3244.66
-50.0	0d0	14/20	14/30	0.02	1.14e-03	5.18e-03	5.87e-03	0.02	0.0	0.0	8.716e+04	2980.64

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.04	5.73e-03	0.07	0.04	0.10	0.07

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-470.0	-1.655e+04	-1.294e+04	1.211e+05	-1.461e+04	5746.17	-1.098e+04	4.839e+04	3271.39	-1.294e+04	1.179e+05	5729.39
-428.0	-1.613e+04	-1.275e+04	1.253e+05	-1.433e+04	5961.27	-1.096e+04	3820.15	3486.49	-1.278e+04	6.595e+04	5944.50
-386.0	-1.526e+04	-1.213e+04	1.222e+05	-1.359e+04	5787.44	-1.050e+04	2.817e+04	3388.16	0.0	0.0	0.0
-344.0	-1.515e+04	-1.346e+04	1.049e+05	-1.356e+04	5216.41	-1.065e+04	5.387e+04	2981.33	0.0	0.0	0.0
-302.0	-1.449e+04	-1.309e+04	1.203e+05	-1.299e+04	3789.48	-1.050e+04	8.715e+04	1755.78	0.0	0.0	0.0
-250.0	-1.222e+04	-1.000e+04	1.333e+05	-9957.03	2983.82	-1.208e+04	1.047e+05	1097.75	0.0	0.0	0.0
-218.0	-1.115e+04	-9361.60	1.427e+05	-9351.06	2695.49	-1.114e+04	9.489e+04	1076.80	0.0	0.0	0.0
-176.0	-1.049e+04	-9057.99	1.115e+05	-9042.28	2469.56	-1.048e+04	7.311e+04	1093.56	0.0	0.0	0.0
-148.0	-9910.95	-8823.93	8.371e+04	-8772.18	2121.04	-9896.94	5.465e+04	983.75	0.0	0.0	0.0
-134.0	-9547.38	-8647.31	6.411e+04	-8609.25	1870.23	-9544.29	4.934e+04	896.42	0.0	0.0	0.0
-120.0	-9297.40	-8604.97	5.596e+04	-8569.95	1667.22	-9290.78	4.393e+04	804.90	0.0	0.0	0.0
-92.0	-8835.91	-8822.08	4.884e+04	-8703.14	1252.73	-8531.35	3.562e+04	537.11	0.0	0.0	0.0
-50.0	-8631.05	-8472.52	2.825e+04	-8330.37	1059.62	-8621.45	1.324e+04	581.05	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-470.0	1.00	5746.17	8.179e+04	1.00	9.835e+04	8.150e+04	5.722e+04	2980.64	1.1	45.0	0.0	2.570e+04
-428.0	1.00	5961.27	8.176e+04	1.00	9.835e+04	8.150e+04	5.722e+04	2980.64	1.1	45.0	0.0	2.553e+04
-386.0	1.00	5787.44	2.055e+05	1.00	9.895e+04	2.049e+05	0.0	0.0	0.0	0.0	0.0	0.0
-344.0	1.00	5216.41	2.055e+05	1.00	9.895e+04	2.049e+05	0.0	0.0	0.0	0.0	0.0	0.0
-302.0	1.00	3789.48	2.054e+05	1.00	9.895e+04	2.049e+05	0.0	0.0	0.0	0.0	0.0	0.0
-250.0	1.00	2983.82	2.048e+05	1.00	9.895e+04	2.052e+05	0.0	0.0	0.0	0.0	0.0	0.0
-218.0	1.00	2695.49	2.047e+05	1.00	9.895e+04	2.050e+05	0.0	0.0	0.0	0.0	0.0	0.0
-176.0	1.00	2469.56	2.046e+05	1.00	9.895e+04	2.049e+05	0.0	0.0	0.0	0.0	0.0	0.0
-148.0	1.00	2121.04	2.046e+05	1.00	9.895e+04	2.048e+05	0.0	0.0	0.0	0.0	0.0	0.0
-134.0	1.00	1870.23	2.045e+05	1.00	9.895e+04	2.047e+05	0.0	0.0	0.0	0.0	0.0	0.0
-120.0	1.00	1667.22	2.045e+05	1.00	9.895e+04	2.047e+05	0.0	0.0	0.0	0.0	0.0	0.0
-92.0	1.00	1252.73	2.045e+05	1.00	9.895e+04	2.045e+05	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	1.00	1059.62	2.045e+05	1.00	9.895e+04	2.045e+05	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-470.0	0.09	-1.294e+04	1.179e+05	5729.39	0.25	3.863e+04	2.296e+04	0.0	5.13e-03	7.70e-03	0.0

-428.0	0.10	-1.278e+04	6.595e+04	5944.50	0.25	3.848e+04	2.296e+04	0.0	5.13e-03	7.70e-03	0.0
-386.0	0.10	-1.216e+04	2.661e+04	5771.18	0.25	3.426e+04	2.296e+04	0.0	5.13e-03	7.70e-03	0.0
-344.0	0.09	-1.225e+04	8.136e+04	5194.75	0.25	3.435e+04	2.296e+04	0.0	5.13e-03	7.70e-03	0.0
-302.0	0.07	-1.185e+04	9.820e+04	3768.89	0.25	3.395e+04	2.296e+04	0.0	5.13e-03	7.70e-03	0.0
-250.0	0.05	-9957.03	6.715e+04	2983.82	0.30	3.207e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-218.0	0.05	-9351.06	6.326e+04	2695.49	0.30	3.147e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-176.0	0.04	-9042.28	4.563e+04	2469.56	0.30	3.116e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-148.0	0.04	-8772.18	3.183e+04	2121.04	0.30	3.089e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-134.0	0.03	-8609.25	3.379e+04	1870.23	0.30	3.073e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.03	-8569.95	3.017e+04	1667.22	0.30	3.069e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-92.0	0.02	-8703.14	3.054e+04	1252.73	0.30	3.082e+04	2.783e+04	0.0	5.13e-03	7.70e-03	0.0
-50.0	0.02	-8330.37	3500.08	1059.62	0.24	3.045e+04	2.250e+04	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.10	0.0

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	0.17	3.92e-02	8.44e-03	12.4	12.4	5.1	5.1	-13.9	38.5	30.8	-160.8	-123.8	-1.4
12	ok	0.17	0.2	1.62e-02	12.4	12.4	5.1	5.1	-32.5	11.0	0.5	-1689.7	-448.8	290.5
23	ok	0.17	0.5	2.13e-02	12.4	12.4	5.1	5.1	-54.9	-21.3	-10.0	-3956.6	-785.6	315.4
34	ok	0.16	1.0	3.09e-02	9.3	7.7	5.2	5.1	-76.7	-52.6	-27.2	-6076.8	-1152.7	283.5
45	ok	0.18	1.0	3.53e-02	11.9	7.7	5.2	5.1	-93.4	-74.5	-23.7	-7645.2	-1454.6	175.8
56	ok	0.19	1.0	3.61e-02	13.2	7.7	5.1	5.1	-102.1	-84.8	-17.8	-8410.5	-1607.1	62.1
67	ok	0.18	1.0	3.30e-02	13.0	7.7	5.1	5.1	-103.9	-84.1	4.4	-8299.3	-1603.5	-76.5
78	ok	0.18	1.0	3.10e-02	12.1	7.7	5.1	5.1	-97.8	-76.8	5.8	-7770.9	-1477.2	-155.0
89	ok	0.17	1.0	3.03e-02	11.3	7.7	5.2	5.1	-96.0	-72.9	-4.5	-7327.8	-1428.7	-176.2
100	ok	0.15	1.0	2.59e-02	8.4	7.7	5.2	5.1	-75.4	-46.1	-1.3	-5598.2	-1096.5	-276.2
111	ok	0.17	0.4	1.78e-02	12.4	12.4	5.1	5.1	-55.9	-17.6	13.7	-3341.0	-708.7	-345.8
122	ok	0.17	0.3	1.22e-02	12.4	12.4	5.1	5.1	-41.7	-1.1	3.0	-2062.7	-495.7	-319.6
133	ok	0.17	0.2	1.17e-02	12.4	12.4	5.1	5.1	-31.1	14.9	-9.4	-1224.0	-406.4	-235.1
134	ok	0.17	5.42e-02	9.97e-03	12.4	12.4	5.1	5.1	-15.3	29.0	-33.1	-286.3	-132.9	12.2
145	ok	0.17	0.8	3.90e-02	12.4	12.4	5.1	5.1	-52.6	-93.8	25.1	-561.2	-2980.7	139.6
156	ok	0.17	0.5	4.10e-02	12.4	12.4	5.1	5.1	-51.7	-83.5	-30.7	-260.1	-849.1	1689.4
158	ok	0.17	0.4	4.30e-02	12.4	12.4	5.1	5.1	-57.7	-95.0	-38.6	-207.6	75.0	1925.3
160	ok	0.15	0.4	4.47e-02	7.7	7.7	5.1	5.1	-65.5	-100.1	-38.1	-560.0	498.2	1511.1
162	ok	0.15	0.3	4.25e-02	7.7	7.7	5.1	5.1	-75.6	-102.3	-27.0	-806.1	671.2	966.8
164	ok	0.15	0.2	3.84e-02	7.7	7.7	5.1	5.1	-81.3	-103.2	-12.4	-951.5	715.3	294.3
166	ok	0.15	0.3	3.60e-02	7.7	7.7	5.1	5.1	-80.8	-102.4	4.2	-906.9	772.4	-442.0
168	ok	0.15	0.3	3.76e-02	7.7	7.7	5.1	5.1	-77.5	-100.6	14.9	-802.5	770.8	-897.2
170	ok	0.15	0.4	3.82e-02	7.7	7.7	5.1	5.1	-74.0	-100.5	14.8	-736.6	728.0	-1075.9
172	ok	0.15	0.4	3.98e-02	7.7	7.7	5.1	5.1	-64.2	-96.7	27.4	-533.0	389.2	-1632.2
174	ok	0.17	0.4	3.77e-02	12.4	12.4	5.1	5.1	-56.1	-91.4	35.9	-272.4	-208.1	-1868.6
176	ok	0.17	0.4	3.60e-02	12.4	12.4	5.1	5.1	-53.3	-88.4	33.2	-275.5	-702.3	-1681.5
178	ok	0.17	0.5	3.41e-02	12.4	12.4	5.1	5.1	-32.2	-87.5	15.1	-368.6	-1329.3	-1439.7
179	ok	0.17	0.8	3.76e-02	12.4	12.4	5.1	5.1	-34.3	-95.7	-34.5	-615.1	-2990.8	-86.9
190	ok	0.15	1.0	6.87e-02	7.7	7.7	8.5	5.1	-114.5	-190.5	25.7	-1117.8	-6270.9	94.9
201	ok	0.15	0.6	6.56e-02	7.7	7.7	5.1	5.1	-66.9	-178.6	-27.6	-13.2	-2144.4	1262.2
203	ok	0.15	0.5	6.14e-02	7.7	7.7	5.1	5.1	-54.2	-165.0	-35.6	962.7	331.5	1671.2
205	ok	0.15	0.7	5.75e-02	7.7	7.7	5.1	5.1	-53.8	-154.0	-32.0	1661.3	1664.1	1484.7
207	ok	0.15	0.7	5.43e-02	7.7	7.7	5.1	5.1	-57.2	-146.2	-22.4	2096.2	2351.3	975.1
209	ok	0.15	0.7	5.22e-02	7.7	7.7	5.1	5.1	-60.0	-142.1	-9.4	2290.8	2618.3	292.9
211	ok	0.15	0.7	5.18e-02	7.7	7.7	5.1	5.1	-60.9	-141.7	1.4	2266.6	2632.9	-447.1
213	ok	0.15	0.7	5.26e-02	7.7	7.7	5.1	5.1	-59.3	-143.7	9.0	2127.4	2459.1	-847.4
215	ok	0.15	0.7	5.32e-02	7.7	7.7	5.1	5.1	-59.2	-144.9	18.0	2006.6	2272.7	-1109.7
217	ok	0.15	0.6	5.57e-02	7.7	7.7	5.1	5.1	-55.8	-151.9	23.2	1489.7	1369.7	-1563.9
219	ok	0.15	0.4	5.84e-02	7.7	7.7	5.1	5.1	-57.8	-161.3	26.9	698.4	-241.4	-1584.2
221	ok	0.15	0.6	6.02e-02	7.7	7.7	5.1	5.1	-63.9	-168.7	21.3	130.3	-1620.5	-1371.8
223	ok	0.15	0.8	6.17e-02	7.7	7.7	5.1	5.1	-70.4	-173.9	6.0	-356.8	-3016.6	-1126.1
224	ok	0.15	1.0	6.97e-02	7.7	7.7	8.6	5.1	-82.7	-188.1	-52.8	-1185.5	-6272.8	-69.3
237	ok	0.18	1.0	7.49e-02	7.7	7.7	12.3	5.1	-138.7	-221.8	-36.1	-1528.1	-8348.4	80.5
248	ok	0.15	0.7	7.70e-02	7.7	7.7	5.1	5.1	-81.9	-219.4	-1.6	-194.1	-3067.7	710.5
250	ok	0.15	0.4	7.26e-02	7.7	7.7	5.1	5.1	-54.5	-204.6	-14.7	1091.0	236.2	943.3
252	ok	0.15	0.7	6.86e-02	7.7	7.7	5.1	5.1	-44.6	-190.7	-15.8	2111.3	2246.7	884.3
254	ok	0.15	0.8	6.54e-02	7.7	7.7	5.1	5.1	-42.0	-180.5	-12.3	2799.5	3367.0	598.3
256	ok	0.15	0.9	6.36e-02	7.7	7.7	5.1	5.1	-41.8	-175.1	-6.1	3127.3	3834.2	179.4
258	ok	0.15	0.9	6.35e-02	7.7	7.7	5.1	5.1	-43.0	-175.4	-1.0	3076.8	3795.4	-276.1
260	ok	0.15	0.8	6.43e-02	7.7	7.7	5.1	5.1	-42.0	-177.9	4.8	2861.7	3462.6	-534.0
262	ok	0.15	0.8	6.51e-02	7.7	7.7	5.1	5.1	-44.7	-180.8	6.7	2663.2	3163.9	-684.3
264	ok	0.15	0.6	6.80e-02	7.7	7.7	5.1	5.1	-47.6	-190.5	8.1	1908.4	1798.2	-914.5
266	ok	0.15	0.3	7.18e-02	7.7	7.7	5.1	5.1	-61.7	-202.9	7.1	853.2	-545.3	-860.6
268	ok	0.15	0.6	7.39e-02	7.7	7.7	5.1	5.1	-82.0	-209.9	1.0	167.8	-2422.1	-686.7
270	ok	0.15	0.9	7.51e-02	7.7	7.7	5.1	5.1	-107.4	-212.9	-5.9	-460.6	-4221.0	-560.6
271	ok	0.18	1.0	8.44e-02	7.7	7.7	11.7	5.1	-158.1	-207.0	4.4	-1376.0	-8007.1	-85.7
280	ok	0.20	1.0	7.18e-02	7.7	7.7	13.6	5.1	-124.4	-220.1	21.4	-1697.0	-8961.3	-18.6
291	ok	0.15	0.8	7.72e-02	7.7	7.7	5.1	5.1	-82.2	-213.1	5.6	-385.4	-3647.3	84.4
293	ok	0.15	0.2	7.36e-02	7.7	7.7	5.1	5.1	-57.1	-208.2	3.4	904.9	43.4	193.0
295	ok	0.15	0.6	7.09e-02	7.7	7.7	5.1	5.1	-42.7	-198.7	-6.17e-03	1923.6	2377.0	224.2

297	ok	0.15	0.8	6.87e-02	7.7	7.7	5.1	5.1	-36.4	-190.9	-1.6	2630.2	3733.8	167.5
299	ok	0.15	1.0	6.74e-02	7.7	7.7	5.1	5.1	-34.4	-186.3	-2.1	2972.2	4317.9	49.4
301	ok	0.15	1.0	6.73e-02	7.7	7.7	5.1	5.1	-35.8	-186.3	-4.3	2920.4	4247.7	-86.8
303	ok	0.15	0.9	6.77e-02	7.7	7.7	5.1	5.1	-36.0	-187.8	-3.0	2703.1	3837.9	-160.8
305	ok	0.15	0.8	6.82e-02	7.7	7.7	5.1	5.1	-39.7	-190.0	-3.6	2495.6	3465.8	-217.2
307	ok	0.15	0.5	7.00e-02	7.7	7.7	5.1	5.1	-46.4	-196.5	-7.3	1730.2	1850.6	-251.2
309	ok	0.15	0.3	7.21e-02	7.7	7.7	5.1	5.1	-65.9	-203.7	-7.3	703.9	-797.9	-187.6
311	ok	0.15	0.7	7.28e-02	7.7	7.7	5.1	5.1	-85.0	-200.4	-8.9	-60.6	-2887.8	-128.4
313	ok	0.15	1.0	7.35e-02	7.7	7.7	5.7	5.1	-104.7	-198.7	-7.4	-593.1	-4773.3	-62.7
314	ok	0.19	1.0	7.70e-02	7.7	7.7	12.6	5.1	-145.3	-193.1	2.0	-1465.5	-8432.0	29.4
325	ok	0.19	1.0	6.38e-02	7.7	7.7	12.5	5.1	-97.4	-181.7	-22.9	-1627.1	-8281.4	-17.4
345	ok	0.15	0.8	6.61e-02	7.7	7.7	5.1	5.1	-80.1	-185.2	11.6	-579.6	-3566.1	-413.7
356	ok	0.15	0.2	6.54e-02	7.7	7.7	5.1	5.1	-53.6	-182.3	10.2	659.5	-123.2	-505.0
367	ok	0.15	0.5	6.44e-02	7.7	7.7	5.1	5.1	-42.3	-177.0	12.0	1495.7	2145.0	-430.9
378	ok	0.15	0.8	6.33e-02	7.7	7.7	5.1	5.1	-36.7	-172.3	7.8	2080.8	3496.5	-271.9
389	ok	0.15	0.9	6.24e-02	7.7	7.7	5.1	5.1	-34.6	-169.0	-0.6	2363.5	4094.0	-78.9
400	ok	0.15	0.9	6.20e-02	7.7	7.7	5.1	5.1	-34.6	-167.9	-5.7	2320.8	4029.6	113.6
411	ok	0.15	0.8	6.19e-02	7.7	7.7	5.1	5.1	-36.7	-168.4	-8.3	2124.6	3616.3	214.2
412	ok	0.15	0.8	6.20e-02	7.7	7.7	5.1	5.1	-37.3	-168.6	-8.4	1958.8	3251.3	308.7
423	ok	0.15	0.5	6.19e-02	7.7	7.7	5.1	5.1	-44.3	-170.5	-13.6	1277.1	1647.1	439.9
434	ok	0.15	0.3	6.10e-02	7.7	7.7	5.1	5.1	-54.9	-172.4	-7.7	356.0	-920.2	469.1
445	ok	0.15	0.7	6.12e-02	7.7	7.7	5.1	5.1	-67.5	-170.4	-2.0	-445.5	-2944.0	425.9
455	ok	0.15	1.0	6.17e-02	7.7	7.7	6.0	5.1	-70.2	-169.1	9.2	-928.1	-4755.4	324.1
457	ok	0.19	1.0	6.12e-02	7.7	7.7	12.5	5.1	-53.5	-173.6	42.2	-1703.4	-8229.5	30.1
477	ok	0.17	1.0	5.54e-02	7.7	7.7	10.8	5.1	-82.0	-167.0	17.0	-1407.9	-7276.9	-79.1
497	ok	0.15	0.8	5.98e-02	7.7	7.7	5.1	5.1	-61.9	-160.5	12.1	-442.6	-3114.6	-706.9
500	ok	0.15	0.2	5.75e-02	7.7	7.7	5.1	5.1	-52.6	-158.9	16.2	474.3	-159.1	-823.8
502	ok	0.15	0.5	5.65e-02	7.7	7.7	5.1	5.1	-46.2	-154.6	16.5	1175.7	1865.9	-737.2
504	ok	0.15	0.8	5.56e-02	7.7	7.7	5.1	5.1	-43.0	-150.9	11.2	1661.2	3087.9	-478.1
506	ok	0.15	0.9	5.49e-02	7.7	7.7	5.1	5.1	-41.9	-148.4	4.0	1890.8	3632.6	-139.5
507	ok	0.15	0.9	5.46e-02	7.7	7.7	5.1	5.1	-41.8	-147.4	-3.5	1853.1	3553.3	215.5
508	ok	0.15	0.8	5.45e-02	7.7	7.7	5.1	5.1	-42.6	-147.8	-8.6	1670.0	3193.8	440.1
509	ok	0.15	0.7	5.45e-02	7.7	7.7	5.1	5.1	-42.6	-147.8	-11.7	1537.6	2846.0	539.3
511	ok	0.15	0.5	5.45e-02	7.7	7.7	5.1	5.1	-45.5	-149.5	-15.0	960.2	1411.9	757.9
513	ok	0.15	0.3	5.49e-02	7.7	7.7	5.1	5.1	-48.7	-152.5	-11.8	197.1	-876.9	803.2
516	ok	0.15	0.7	5.56e-02	7.7	7.7	5.1	5.1	-49.8	-154.4	-10.2	-355.5	-2649.2	711.9
517	ok	0.15	1.0	5.72e-02	7.9	7.7	5.4	5.1	-51.0	-155.4	-7.2	-765.2	-4224.4	605.2
519	ok	0.17	1.0	5.46e-02	7.7	7.7	10.8	5.1	-56.9	-164.1	-18.1	-1435.4	-7265.1	76.3
551	ok	0.15	1.0	4.48e-02	7.7	7.7	8.0	5.1	-52.3	-117.2	-12.5	-1095.5	-5500.3	-74.2
571	ok	0.15	0.7	4.44e-02	7.7	7.7	5.1	5.1	-53.0	-120.4	20.7	-441.5	-2434.0	-900.3
574	ok	0.15	0.3	4.46e-02	7.7	7.7	5.1	5.1	-46.4	-118.4	22.9	261.2	-151.7	-1131.8
576	ok	0.15	0.5	4.44e-02	7.7	7.7	5.1	5.1	-47.5	-116.0	21.6	741.6	1377.6	-1005.8
578	ok	0.15	0.6	4.38e-02	7.7	7.7	5.1	5.1	-48.9	-114.0	15.4	1068.0	2313.6	-654.1
580	ok	0.15	0.7	4.33e-02	7.7	7.7	5.1	5.1	-49.8	-112.6	6.6	1219.1	2735.9	-182.2
581	ok	0.15	0.7	4.32e-02	7.7	7.7	5.1	5.1	-48.7	-112.3	-5.8	1193.5	2706.8	322.7
582	ok	0.15	0.7	4.33e-02	7.7	7.7	5.1	5.1	-47.6	-112.7	-10.9	1075.4	2417.2	601.1
583	ok	0.15	0.6	4.34e-02	7.7	7.7	5.1	5.1	-46.2	-113.0	-10.9	984.1	2170.5	765.4
585	ok	0.15	0.4	4.37e-02	7.7	7.7	5.1	5.1	-43.3	-114.8	-18.7	585.0	1048.7	1066.1
587	ok	0.15	0.4	4.38e-02	7.7	7.7	5.1	5.1	-43.0	-117.7	-16.9	-42.8	-756.3	1079.5
590	ok	0.15	0.6	4.37e-02	7.7	7.7	5.1	5.1	-41.9	-118.5	-14.1	-385.9	-2099.4	923.7
591	ok	0.15	0.9	4.40e-02	7.7	7.7	5.1	5.1	-42.6	-118.9	-13.1	-663.3	-3303.7	719.5
593	ok	0.15	1.0	4.53e-02	7.7	7.7	8.2	5.1	-38.4	-116.5	11.5	-1125.8	-5551.9	48.3
625	ok	0.15	1.0	3.62e-02	7.7	7.7	6.0	5.1	-30.2	-103.1	12.5	-863.8	-4394.8	-95.7
645	ok	0.15	0.6	3.56e-02	7.7	7.7	5.1	5.1	-21.8	-96.3	6.1	-299.4	-1916.0	-953.7
649	ok	0.15	0.3	3.52e-02	7.7	7.7	5.1	5.1	-44.4	-89.5	21.8	95.9	-152.8	-1216.6
652	ok	0.15	0.4	3.54e-02	7.7	7.7	5.1	5.1	-50.3	-89.3	22.5	390.8	996.1	-1087.1
654	ok	0.15	0.5	3.50e-02	7.7	7.7	5.1	5.1	-55.4	-88.8	16.3	584.0	1692.6	-705.9
658	ok	0.15	0.6	3.46e-02	7.7	7.7	5.1	5.1	-58.0	-88.5	3.9	677.6	2012.0	-188.3
662	ok	0.15	0.6	3.47e-02	7.7	7.7	5.1	5.1	-56.9	-88.5	-6.0	666.2	2004.6	358.5
664	ok	0.15	0.6	3.49e-02	7.7	7.7	5.1	5.1	-54.2	-89.0	-11.9	593.8	1798.3	670.4
666	ok	0.15	0.5	3.52e-02	7.7	7.7	5.1	5.1	-52.2	-89.3	-12.0	545.4	1619.1	838.8
669	ok	0.15	0.4	3.57e-02	7.7	7.7	5.1	5.1	-44.5	-90.6	-20.2	301.8	776.6	1153.1
672	ok	0.15	0.4	3.57e-02	7.7	7.7	5.1	5.1	-37.9	-92.2	-18.3	-81.1	-580.6	1157.9
675	ok	0.15	0.5	3.56e-02	7.7	7.7	5.1	5.1	-33.7	-92.8	-16.0	-309.7	-1587.6	986.5
677	ok	0.15	0.7	3.55e-02	7.7	7.7	5.1	5.1	-33.2	-92.6	-17.6	-506.4	-2501.8	773.5
679	ok	0.15	1.0	3.77e-02	7.7	7.7	6.2	5.1	-25.9	-89.0	6.7	-854.4	-4225.0	55.3
699	ok	0.15	0.9	2.91e-02	7.7	7.7	5.1	5.1	-23.2	-82.1	10.1	-724.1	-3693.2	-96.8
719	ok	0.15	0.5	3.10e-02	7.7	7.7	5.1	5.1	-21.6	-85.0	17.1	-295.3	-1631.1	-986.2
722	ok	0.15	0.3	3.07e-02	7.7	7.7	5.1	5.1	-44.1	-75.3	25.2	-27.9	-150.3	-1239.9
725	ok	0.15	0.4	3.09e-02	7.7	7.7	5.1	5.1	-52.5	-76.3	22.4	155.9	788.8	-1108.9
728	ok	0.15	0.5	3.06e-02	7.7	7.7	5.1	5.1	-59.3	-77.0	15.8	270.8	1357.5	-724.7
732	ok	0.15	0.5	3.03e-02	7.7	7.7	5.1	5.1	-62.8	-77.3	6.4	325.3	1617.8	-197.9
735	ok	0.15	0.5	3.05e-02	7.7	7.7	5.1	5.1	-61.0	-77.5	-5.3	322.5	1617.5	367.2
738	ok	0.15	0.5	3.08e-02	7.7	7.7	5.1	5.1	-58.2	-77.9	-10.8	287.1	1466.6	692.5
740	ok	0.15	0.5	3.11e-02	7.7	7.7	5.1	5.1	-55.8	-78.1	-15.1	252.7	1302.1	867.4
743	ok	0.15	0.4	3.17e-02	7.7	7.7	5.1	5.1	-45.7	-78.8	-20.2	111.3	631.4	1172.5
746	ok	0.15	0.4	3.15e-02	7.7	7.7	5.1	5.1	-34.1	-78.7	-18.1	-103.2	-485.1	1180.9
749	ok	0.15	0.5	3.12e-02	7.7	7.7	5.1	5.1	-29.8	-78.6	-17.2	-270.2	-1326.8	992.5
751	ok	0.15	0.6	3.19e-02	7.7	7.7	5.1	5.1	-26.0	-80.2	-20.1	-422.5	-2088.2	784.3

753	ok	0.15	1.0	3.11e-02	7.7	7.7	5.2	5.1	-16.6	-86.6	-14.6	-762.2	-3855.7	65.1
772	ok	0.15	0.8	2.35e-02	7.7	7.7	5.1	5.1	-15.4	-64.6	11.2	-603.6	-2963.9	-98.4
792	ok	0.15	0.5	2.52e-02	7.7	7.7	5.1	5.1	-28.5	-55.7	16.9	-324.5	-1239.7	-1001.5
795	ok	0.15	0.3	2.66e-02	7.7	7.7	5.1	5.1	-41.2	-60.0	21.9	-191.4	-162.1	-1234.8
798	ok	0.15	0.4	2.77e-02	7.7	7.7	5.1	5.1	-52.2	-63.2	20.6	-127.4	569.3	-1105.9
801	ok	0.15	0.4	2.71e-02	7.7	7.7	5.1	5.1	-61.0	-65.1	14.5	-96.1	1004.5	-724.3
805	ok	0.15	0.4	2.62e-02	7.7	7.7	5.1	5.1	-66.8	-67.1	6.8	-86.7	1210.2	-194.1
808	ok	0.15	0.4	2.65e-02	7.7	7.7	5.1	5.1	-65.2	-67.4	-6.7	-66.0	1232.4	364.7
811	ok	0.15	0.4	2.69e-02	7.7	7.7	5.1	5.1	-61.4	-67.6	-13.2	-64.3	1125.3	685.0
813	ok	0.15	0.4	2.72e-02	7.7	7.7	5.1	5.1	-56.9	-66.9	-14.7	-74.4	997.9	870.5
816	ok	0.15	0.4	2.77e-02	7.7	7.7	5.1	5.1	-44.7	-66.9	-19.6	-115.0	476.8	1172.7
819	ok	0.15	0.4	2.73e-02	7.7	7.7	5.1	5.1	-31.5	-65.4	-18.6	-206.8	-405.5	1171.1
822	ok	0.15	0.5	2.67e-02	7.7	7.7	5.1	5.1	-25.2	-63.5	-17.2	-300.4	-1079.3	992.1
824	ok	0.15	0.6	2.69e-02	7.7	7.7	5.1	5.1	-11.6	-74.7	-13.2	-369.0	-1871.9	770.0
826	ok	0.15	0.8	2.60e-02	7.7	7.7	5.1	5.1	-12.4	-71.5	-14.6	-647.2	-3162.6	65.8
846	ok	0.15	0.5	1.06e-02	7.7	7.7	5.1	5.1	-8.7	-28.2	7.4	-410.7	-1459.4	-93.6
866	ok	0.15	0.4	1.42e-02	7.7	7.7	5.1	5.1	-22.9	-23.9	7.1	-458.2	-706.4	-906.8
869	ok	0.15	0.4	1.89e-02	7.7	7.7	5.1	5.1	-36.4	-35.4	15.2	-634.2	-197.5	-1147.0
872	ok	0.15	0.3	2.30e-02	7.7	7.7	5.1	5.1	-53.4	-40.4	15.8	-840.8	108.3	-1035.3
875	ok	0.15	0.3	2.49e-02	7.7	7.7	5.1	5.1	-68.2	-47.8	14.0	-1106.1	298.6	-622.2
879	ok	0.15	0.2	2.48e-02	7.7	7.7	5.1	5.1	-74.5	-52.0	1.3	-1204.2	372.0	-175.7
882	ok	0.15	0.2	2.48e-02	7.7	7.7	5.1	5.1	-73.1	-52.5	-7.9	-1131.6	419.5	311.1
885	ok	0.15	0.3	2.55e-02	7.7	7.7	5.1	5.1	-68.7	-52.1	-14.4	-1012.0	422.3	595.5
887	ok	0.15	0.3	2.50e-02	7.7	7.7	5.1	5.1	-64.1	-50.5	-15.5	-938.8	385.1	740.6
890	ok	0.15	0.3	2.22e-02	7.7	7.7	5.1	5.1	-43.6	-44.7	-19.0	-678.9	162.9	1083.2
893	ok	0.15	0.3	2.09e-02	7.7	7.7	5.1	5.1	-23.0	-45.6	-17.8	-468.5	-271.4	1094.0
896	ok	0.15	0.4	2.04e-02	7.7	7.7	5.1	5.1	-16.4	-41.2	-11.1	-394.6	-606.8	932.0
898	ok	0.15	0.4	1.88e-02	7.7	7.7	5.1	5.1	-9.2	-51.9	5.0	-304.6	-1033.9	806.0
900	ok	0.15	0.5	1.50e-02	7.7	7.7	5.1	5.1	-20.6	-37.1	3.7	-344.2	-1806.5	49.0
920	ok	0.15	3.33e-02	1.25e-02	7.7	7.7	5.1	5.1	-36.9	15.0	-9.1	100.5	-88.8	-7.7
940	ok	0.15	0.1	4.31e-03	7.7	7.7	5.1	5.1	-8.9	16.3	-11.1	-555.9	-195.8	-153.1
960	ok	0.15	0.3	1.12e-02	7.7	7.7	5.1	5.1	-32.5	4.94e-02	-7.5	-1599.9	-342.4	-202.2
980	ok	0.15	0.5	1.87e-02	7.7	7.7	5.1	5.1	-56.1	-21.8	-6.6	-2726.6	-521.6	-178.3
1000	ok	0.15	0.7	2.45e-02	7.7	7.7	5.1	5.1	-73.4	-39.8	-7.5	-3614.6	-677.7	-118.7
1029	ok	0.15	0.8	2.77e-02	7.7	7.7	5.1	5.1	-81.5	-50.8	-10.2	-4084.7	-769.2	-48.3
1049	ok	0.15	0.7	2.70e-02	7.7	7.7	5.1	5.1	-76.3	-57.2	-0.4	-3942.3	-706.8	-7.8
1069	ok	0.15	0.6	2.74e-02	7.7	7.7	5.1	5.1	-75.4	-60.6	1.6	-3375.7	-549.5	13.4
1079	ok	0.15	0.6	2.19e-02	7.7	7.7	5.1	5.1	-62.4	-56.5	3.7	-2917.9	-457.5	63.0
1099	ok	0.15	0.4	1.67e-02	7.7	7.7	5.1	5.1	-41.3	-26.2	0.9	-1744.7	-268.1	197.9
1119	ok	0.15	0.2	7.72e-03	7.7	7.7	5.1	5.1	-18.0	14.9	2.0	-872.1	-244.8	267.3
1139	ok	0.15	0.1	4.49e-03	7.7	7.7	5.1	5.1	-7.6	24.5	10.9	-468.5	-226.4	256.5
1149	ok	0.15	0.1	3.67e-03	7.7	7.7	5.1	5.1	-0.3	27.5	5.6	6.6	-215.6	316.7
1169	ok	0.15	5.38e-02	2.17e-02	7.7	7.7	5.1	5.1	-66.4	12.0	4.8	160.2	-139.5	4.5

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
								-158.10	-221.81	-52.76	-8410.54	-8961.29	-1868.62
	0.20	0.99	0.08	13.23	12.41	13.58	5.13	-0.34	38.53	42.24	3127.26	4317.92	1925.32

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	2.90						
12	ok Av	6.18	0.06	0.23	1.7	6.8	25.2	99.4
23	ok Av	8.86	0.20	0.29	5.8	8.4	84.5	123.3
34	ok Av	11.02	0.36	0.25	10.3	7.3	150.7	106.3
45	ok Av	12.39	0.45	0.18	13.1	5.2	191.9	75.4
56	ok Av	12.87	0.49	0.09	14.4	2.7	210.1	39.6
67	ok Av	12.90	0.50	0.11	14.7	3.1	214.1	44.9
78	ok Av	12.21	0.47	0.13	13.7	3.8	200.7	55.9
89	ok Av	12.55	0.45	0.19	13.2	5.5	193.0	80.2
100	ok Av	10.31	0.31	0.26	9.0	7.7	131.6	111.8
111	ok Av	7.66	0.16	0.28	4.7	8.0	68.1	117.2
122	ok Av	6.28	0.02	0.25	0.5	7.1	7.5	104.1
133	ok Av	5.52	0.09	0.20	2.6	5.7	38.3	83.3
134	ok	3.17						
145	ok Av	6.41	0.20	0.15	5.9	4.2	86.8	61.6
156	ok Av	7.60	0.16	0.26	4.6	7.6	67.2	110.6
158	ok Av	7.79	0.23	0.20	6.7	5.9	97.5	86.9
160	ok Av	9.42	0.33	0.16	9.7	4.8	141.4	69.5
162	ok Av	10.94	0.40	0.15	11.7	4.3	171.0	62.2
164	ok Av	11.90	0.44	0.14	12.9	4.2	188.0	60.9
166	ok Av	11.97	0.46	0.13	13.2	3.9	193.5	57.1
168	ok Av	11.09	0.43	0.09	12.5	2.7	182.5	39.2
170	ok Av	11.23	0.43	0.14	12.6	4.0	184.2	58.7
172	ok Av	9.10	0.32	0.17	9.3	4.9	135.2	72.2
174	ok Av	7.31	0.23	0.18	6.6	5.2	96.1	76.4
176	ok Av	5.94	0.13	0.19	3.8	5.7	55.6	82.6
178	ok Av	6.52	0.17	0.24	4.9	7.1	71.8	103.7
179	ok Av	7.83	0.26	0.17	7.4	4.9	108.3	71.8

190	ok Av	10.83	0.19	0.38	5.7	10.9	82.6	159.6
201	ok Av	10.31	0.19	0.36	5.4	10.4	78.8	151.9
203	ok Av	6.92	0.12	0.25	3.6	7.4	52.3	107.7
205	ok Av	6.38	0.19	0.17	5.4	4.9	79.1	71.5
207	ok Av	6.57	0.23	0.12	6.7	3.4	97.7	49.1
209	ok Av	6.78	0.26	0.08	7.6	2.2	110.6	31.9
211	ok Av	7.33	0.28	0.06	8.1	1.9	118.6	27.4
213	ok Av	6.88	0.26	0.07	7.5	2.2	109.8	31.7
215	ok Av	7.22	0.28	0.13	8.1	3.7	118.5	54.6
217	ok Av	6.66	0.18	0.19	5.3	5.4	78.2	79.0
219	ok Av	7.27	0.14	0.25	4.2	7.4	60.7	108.0
221	ok Av	8.68	0.14	0.31	4.1	9.0	59.9	131.1
223	ok Av	10.73	0.19	0.39	5.5	11.2	80.2	163.6
224	ok Av	11.85	0.21	0.41	6.1	12.0	89.6	175.1
237	ok Av	12.52	0.11	0.48	3.1	13.9	44.9	202.9
248	ok Av	11.92	0.16	0.44	4.6	12.7	67.2	186.1
250	ok Av	8.56	0.09	0.32	2.7	9.3	39.5	136.6
252	ok Av	6.09	0.10	0.23	3.0	6.7	44.1	97.4
254	ok	4.68						
256	ok	3.88						
258	ok	4.52						
260	ok	4.54						
262	ok	5.07						
264	ok Av	6.67	0.11	0.25	3.2	7.2	46.2	105.6
266	ok Av	8.89	0.13	0.32	3.8	9.4	55.0	137.0
268	ok Av	10.12	0.12	0.38	3.5	11.0	50.5	160.2
270	ok Av	11.71	0.13	0.44	3.9	12.9	56.7	188.4
271	ok Av	12.58	0.09	0.49	2.5	14.1	36.5	206.5
280	ok Av	12.29	0.02	0.48	0.6	13.9	8.3	203.8
291	ok Av	11.91	0.13	0.45	3.7	13.0	53.6	190.3
293	ok Av	9.15	0.11	0.34	3.1	9.9	45.2	145.1
295	ok Av	6.87	0.10	0.25	3.0	7.2	44.0	105.2
297	ok	4.95						
299	ok	3.41						
301	ok	3.86						
303	ok	4.34						
305	ok	5.06						
307	ok Av	7.42	0.11	0.27	3.2	7.8	47.4	113.7
309	ok Av	9.38	0.14	0.34	3.9	9.9	57.5	144.6
311	ok Av	10.41	0.12	0.39	3.5	11.3	51.7	164.8
313	ok Av	11.80	0.12	0.45	3.6	13.0	52.7	189.3
314	ok Av	11.63	0.05	0.45	1.4	13.1	21.1	192.0
325	ok Av	10.76	0.07	0.42	2.1	12.1	30.6	177.0
345	ok Av	10.59	0.12	0.41	3.4	11.9	49.7	173.5
356	ok Av	8.29	0.07	0.32	1.9	9.3	27.7	135.2
367	ok Av	6.33	0.08	0.24	2.2	6.8	32.7	100.0
378	ok	4.66						
389	ok	3.28						
400	ok	3.72						
411	ok	3.88						
412	ok	4.77						
423	ok Av	6.93	0.08	0.26	2.4	7.5	35.7	109.4
434	ok Av	8.49	0.09	0.32	2.6	9.3	37.5	135.9
445	ok Av	9.42	0.09	0.36	2.5	10.6	36.7	154.8
455	ok Av	10.98	0.10	0.43	2.9	12.4	43.0	181.1
457	ok Av	11.65	0.09	0.45	2.5	13.0	37.2	190.0
477	ok Av	9.73	0.10	0.37	2.9	10.8	43.1	158.1
497	ok Av	9.00	0.10	0.35	2.9	10.1	41.7	148.2
500	ok Av	7.10	0.06	0.27	1.8	7.9	26.4	114.9
502	ok Av	5.54	0.09	0.20	2.6	5.8	37.8	84.1
504	ok	4.28						
506	ok	3.38						
507	ok	3.77						
508	ok	3.97						
509	ok	4.34						
511	ok Av	6.01	0.09	0.22	2.6	6.4	37.3	92.8
513	ok Av	7.44	0.07	0.28	2.1	8.2	30.4	119.7
516	ok Av	8.28	0.07	0.32	2.0	9.3	29.1	136.6
517	ok Av	9.43	0.10	0.37	2.9	10.7	42.2	156.1
519	ok Av	10.37	0.12	0.39	3.4	11.3	49.7	165.2
551	ok Av	7.64	0.13	0.28	3.9	8.0	56.7	116.7
571	ok Av	7.13	0.10	0.28	2.9	8.1	42.2	118.2
574	ok Av	5.74	0.04	0.22	1.1	6.4	16.8	94.0
576	ok	4.63						
578	ok	3.84						
580	ok	3.28						
581	ok	3.54						
582	ok	3.35						
583	ok	3.70						

585	ok	4.97						
587	ok Av	5.86	0.04	0.23	1.2	6.6	17.7	95.7
590	ok Av	6.39	0.08	0.25	2.4	7.3	35.4	106.0
591	ok Av	7.38	0.11	0.29	3.3	8.4	47.8	122.4
593	ok Av	8.09	0.14	0.28	4.2	8.3	60.7	120.7
625	ok Av	6.43	0.14	0.22	4.2	6.3	61.0	92.4
645	ok Av	5.49	0.01	0.21	0.3	6.2	4.7	91.0
649	ok	4.39						
652	ok	3.65						
654	ok	3.34						
658	ok	3.14						
662	ok	3.25						
664	ok	2.91						
666	ok	3.11						
669	ok	3.82						
672	ok	4.55						
675	ok	5.07						
677	ok Av	5.89	0.09	0.23	2.7	6.6	40.0	96.5
679	ok Av	6.89	0.15	0.23	4.4	6.7	63.7	97.5
699	ok Av	5.67	0.14	0.17	4.1	5.0	60.3	73.8
719	ok	4.45						
722	ok	3.25						
725	ok	2.87						
728	ok	3.04						
732	ok	3.14						
735	ok	3.15						
738	ok	2.85						
740	ok	2.78						
743	ok	2.93						
746	ok	3.42						
749	ok	4.10						
751	ok	5.04						
753	ok Av	6.15	0.15	0.19	4.4	5.6	63.7	81.7
772	ok	4.95						
792	ok	3.90						
795	ok	2.78						
798	ok	2.77						
801	ok	3.32						
805	ok	3.61						
808	ok	3.63						
811	ok	3.26						
813	ok	3.15						
816	ok	2.59						
819	ok	3.00						
822	ok	3.55						
824	ok	4.43						
826	ok Av	5.38	0.14	0.15	4.2	4.4	61.5	64.7
846	ok	3.35						
866	ok	2.72						
869	ok	2.64						
872	ok	3.10						
875	ok	3.96						
879	ok	4.43						
882	ok	4.21						
885	ok	3.78						
887	ok	3.65						
890	ok	2.75						
893	ok	3.05						
896	ok	3.19						
898	ok	3.34						
900	ok	4.13						
920	ok	2.19						
940	ok	3.58						
960	ok	4.34						
980	ok	4.79						
1000	ok	5.14						
1029	ok Av	5.51	0.21	0.04	6.2	1.1	90.4	16.4
1049	ok Av	5.56	0.22	0.04	6.3	1.3	91.8	18.5
1069	ok	4.73						
1079	ok	4.25						
1099	ok	4.06						
1119	ok	4.20						
1139	ok	3.90						
1149	ok	3.56						
1169	ok	2.83						
Nodo		**Max tau**	**Ver V pr**	**Ver V sec**	**Af V pr**	**Af V sec**	**V pr**	**V sec**
		12.90	0.50	0.49	14.65	14.13	214.12	206.53

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
4	420.00	20.00	50.00	50.00	310.00	62.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-470.0	10d14	14/20	14/30	0.02	3.86e-03	0.02	0.02	8.38e-03	0.02	0.0	1.388e+05	4990.00
-428.0	10d14	14/20	14/30	0.02	3.65e-03	0.02	0.02	8.57e-03	0.02	0.0	1.388e+05	4990.00
-386.0	0d0	14/20	14/30	0.02	4.87e-03	7.39e-03	0.02	7.74e-03	0.0	0.0	1.388e+05	4990.00
-344.0	0d0	14/20	14/30	0.02	5.06e-03	3.13e-03	5.49e-03	3.55e-03	0.0	0.0	1.388e+05	4990.00
-302.0	0d0	14/20	14/30	0.01	4.92e-03	2.00e-03	4.12e-03	6.66e-03	0.0	0.0	1.388e+05	4793.20
-250.0	0d0	14/20	14/30	0.02	2.93e-03	4.16e-03	8.57e-03	2.81e-03	0.0	0.0	1.388e+05	4427.70
-218.0	0d0	14/20	14/30	0.04	4.86e-03	0.02	0.04	0.02	0.0	0.0	1.388e+05	4202.77
-213.6	0d0	14/20	14/30	0.04	4.85e-03	0.02	0.04	0.02	0.0	0.0	1.388e+05	4172.10
-205.0	0d0	14/20	14/30	0.06	0.01	0.04	0.08	0.03	0.0	0.0	1.388e+05	4111.40
-176.0	0d0	14/20	14/30	0.05	0.01	0.03	0.07	0.03	0.0	0.0	1.388e+05	3907.56
-174.0	0d0	14/20	14/30	0.04	9.11e-03	0.03	0.06	0.03	0.0	0.0	1.388e+05	3893.40
-170.0	0d0	14/20	14/30	0.03	4.09e-03	0.02	0.04	0.02	0.0	0.0	1.388e+05	3865.39
-148.0	0d0	14/20	14/30	0.03	4.10e-03	0.02	0.04	0.02	0.0	0.0	1.388e+05	3710.76
-134.0	0d0	14/20	14/30	0.03	3.32e-03	0.02	0.04	0.02	0.0	0.0	1.388e+05	3612.35
-120.0	0d0	14/20	14/30	0.03	2.51e-03	0.02	0.04	0.02	0.0	0.0	1.338e+05	3513.95
-92.0	0d0	14/20	14/30	0.03	1.93e-03	0.02	0.03	0.02	0.0	0.0	1.102e+05	3317.14
-50.0	0d0	14/20	14/30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.483e+04	3021.93

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.06	0.01	0.04	0.08	0.03	0.02

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-470.0	-7804.63	-6683.13	1.195e+05	-7198.39	1676.75	-7198.39	1.154e+05	1676.75	-7198.39	1.154e+05	1676.75
-428.0	-7690.43	-6564.60	1.128e+05	-7082.50	1710.35	-7082.50	1.089e+05	1710.35	-7082.50	1.089e+05	1710.35
-386.0	-6918.89	-5425.25	1.192e+05	-6114.27	1507.77	-6114.27	1.136e+05	1507.77	0.0	0.0	0.0
-344.0	-6193.47	-4444.98	1.232e+05	-5251.00	637.35	-5250.78	1.125e+05	543.20	0.0	0.0	0.0
-302.0	-6106.08	-4093.43	1.197e+05	-6102.87	407.61	-6102.87	1.172e+04	407.61	0.0	0.0	0.0
-250.0	-8422.51	-6220.76	7.200e+04	-6220.76	848.12	-6220.76	7.200e+04	848.12	0.0	0.0	0.0
-218.0	-1.573e+04	-1.564e+04	1.243e+05	-1.564e+04	4045.22	-1.564e+04	1.243e+05	4045.22	0.0	0.0	0.0
-213.6	-1.547e+04	-1.534e+04	1.239e+05	-1.538e+04	4305.70	-1.538e+04	1.222e+05	4305.70	0.0	0.0	0.0
-205.0	-1.496e+04	-1.479e+04	1.280e+05	-1.479e+04	4990.00	-1.479e+04	1.280e+05	4990.00	0.0	0.0	0.0
-176.0	-1.336e+04	-1.326e+04	1.388e+05	-1.323e+04	4574.72	-1.323e+04	6.944e+04	4574.72	0.0	0.0	0.0
-174.0	-1.214e+04	-1.207e+04	1.039e+05	-1.207e+04	3598.30	-1.207e+04	1.039e+05	3598.30	0.0	0.0	0.0
-170.0	-1.199e+04	-1.191e+04	1.029e+05	-1.184e+04	3768.15	-1.184e+04	7.354e+04	3768.15	0.0	0.0	0.0
-148.0	-1.197e+04	-1.181e+04	1.032e+05	-1.178e+04	4158.58	-1.178e+04	1.015e+05	4158.58	0.0	0.0	0.0
-134.0	-1.192e+04	-1.176e+04	8.344e+04	-1.170e+04	3868.39	-1.170e+04	8.245e+04	3868.39	0.0	0.0	0.0
-120.0	-1.201e+04	-1.169e+04	6.300e+04	-1.169e+04	3664.33	-1.169e+04	6.300e+04	3664.33	0.0	0.0	0.0
-92.0	-1.230e+04	-1.205e+04	4.860e+04	-1.190e+04	3406.37	-1.190e+04	3.974e+04	3406.37	0.0	0.0	0.0
-50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-470.0	1.00	1676.75	8.120e+04	1.00	9.835e+04	8.120e+04	5.722e+04	2766.94	1.0	45.0	0.0	2.447e+04
-428.0	1.00	1710.35	8.119e+04	1.00	9.835e+04	8.119e+04	5.722e+04	2766.94	1.0	45.0	0.0	2.443e+04
-386.0	1.00	1507.77	2.040e+05	1.00	9.895e+04	2.040e+05	0.0	0.0	0.0	0.0	0.0	0.0
-344.0	1.00	637.35	2.039e+05	1.00	9.895e+04	2.039e+05	0.0	0.0	0.0	0.0	0.0	0.0
-302.0	1.00	407.61	2.040e+05	1.00	9.895e+04	2.040e+05	0.0	0.0	0.0	0.0	0.0	0.0
-250.0	1.00	848.12	2.040e+05	1.00	9.895e+04	2.040e+05	0.0	0.0	0.0	0.0	0.0	0.0
-218.0	1.00	4045.22	2.059e+05	1.00	9.895e+04	2.059e+05	0.0	0.0	0.0	0.0	0.0	0.0
-213.6	1.00	4305.70	2.059e+05	1.00	9.895e+04	2.059e+05	0.0	0.0	0.0	0.0	0.0	0.0
-205.0	1.00	4990.00	1.366e+05	1.00	6.522e+04	1.366e+05	0.0	0.0	0.0	0.0	0.0	0.0
-176.0	1.00	4574.72	1.363e+05	1.00	6.522e+04	1.363e+05	0.0	0.0	0.0	0.0	0.0	0.0
-174.0	1.00	3598.30	1.361e+05	1.00	6.522e+04	1.361e+05	0.0	0.0	0.0	0.0	0.0	0.0
-170.0	1.00	3768.15	2.052e+05	1.00	9.895e+04	2.052e+05	0.0	0.0	0.0	0.0	0.0	0.0
-148.0	1.00	4158.58	2.051e+05	1.00	9.895e+04	2.051e+05	0.0	0.0	0.0	0.0	0.0	0.0
-134.0	1.00	3868.39	2.051e+05	1.00	9.895e+04	2.051e+05	0.0	0.0	0.0	0.0	0.0	0.0
-120.0	1.00	3664.33	2.051e+05	1.00	9.895e+04	2.051e+05	0.0	0.0	0.0	0.0	0.0	0.0
-92.0	1.00	3406.37	2.052e+05	1.00	9.895e+04	2.052e+05	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				

-470.0	8.38e-03	-6683.34	1.141e+05	1541.45	1.62	3.246e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-428.0	8.57e-03	-6564.89	1.078e+05	1575.05	1.62	3.234e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-386.0	7.74e-03	-5427.51	1.066e+05	1385.93	1.62	2.757e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-344.0	3.55e-03	-4445.73	1.009e+05	631.28	1.62	2.659e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-302.0	6.66e-03	-6100.08	2.931e+04	354.23	0.27	2.824e+04	2.492e+04	0.0	5.13e-03	7.70e-03	0.0
-250.0	2.81e-03	-7272.49	1.823e+04	585.71	1.92	2.940e+04	1.791e+05	0.0	5.13e-03	7.70e-03	0.0
-218.0	0.02	-1.568e+04	1.010e+05	3559.23	1.62	3.775e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-213.6	0.02	-1.540e+04	1.013e+05	3789.48	1.62	3.748e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-205.0	0.03	-1.484e+04	1.081e+05	4460.18	1.62	2.977e+04	1.001e+05	0.0	5.13e-03	7.70e-03	0.0
-176.0	0.03	-1.322e+04	5.016e+04	4103.83	1.62	2.817e+04	1.001e+05	0.0	5.13e-03	7.70e-03	0.0
-174.0	0.03	-1.209e+04	8.770e+04	3153.85	1.42	2.705e+04	8.792e+04	0.0	5.13e-03	7.70e-03	0.0
-170.0	0.02	-1.189e+04	5.745e+04	3346.99	1.62	3.399e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-148.0	0.02	-1.183e+04	8.838e+04	3666.98	1.62	3.393e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-134.0	0.02	-1.173e+04	7.130e+04	3438.53	1.62	3.384e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.02	-1.173e+04	5.322e+04	3252.34	1.62	3.383e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-92.0	0.02	-1.188e+04	3.417e+04	3018.49	1.62	3.398e+04	1.514e+05	0.0	5.13e-03	7.70e-03	0.0
-50.0	0.0	0.0	0.0	0.0	2.00	0.0	0.0	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.03	0.0

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
11	ok	0.17	4.46e-02	7.49e-03	12.4	12.4	5.1	5.1	12.5	51.5	32.6	170.0	126.3	12.5
22	ok	0.17	0.2	1.11e-02	12.4	12.4	5.1	5.1	-33.5	15.2	-15.1	1126.3	403.2	-274.4
33	ok	0.17	0.4	1.44e-02	12.4	12.4	5.1	5.1	-27.3	-17.7	-12.9	2749.7	540.3	-247.3
44	ok	0.15	0.8	2.26e-02	7.7	7.7	5.1	5.1	-40.4	-47.0	-22.9	4170.6	779.3	-217.3
55	ok	0.15	1.0	2.69e-02	7.7	7.9	5.1	5.2	-51.4	-67.2	-17.6	5173.4	974.4	-129.9
66	ok	0.15	1.0	2.77e-02	7.7	8.7	5.1	5.1	-57.3	-76.5	-9.4	5641.1	1070.7	-46.7
77	ok	0.15	1.0	2.80e-02	7.7	8.5	5.1	5.1	-58.7	-77.1	9.7	5577.2	1071.4	57.3
88	ok	0.15	1.0	2.67e-02	7.7	8.0	5.1	5.1	-54.9	-70.4	13.3	5246.2	982.5	120.2
99	ok	0.15	1.0	2.47e-02	7.7	7.7	5.1	5.1	-53.6	-66.3	6.8	4965.6	963.8	131.3
110	ok	0.15	0.7	2.06e-02	7.7	7.7	5.1	5.1	-41.0	-40.2	11.8	3823.1	747.2	209.4
121	ok	0.17	0.3	1.28e-02	12.4	12.4	5.1	5.1	-30.3	-9.7	19.6	2305.2	475.1	288.1
123	ok	0.17	0.2	1.22e-02	12.4	12.4	5.1	5.1	-20.6	9.3	0.6	1435.8	385.9	252.5
144	ok	0.17	5.30e-02	7.34e-03	12.4	12.4	5.1	5.1	12.0	51.6	-32.3	168.8	153.4	0.1
155	ok	0.17	0.7	3.82e-02	12.4	12.4	5.1	5.1	-52.8	-91.3	22.6	415.8	2779.2	63.9
157	ok	0.17	0.3	3.91e-02	12.4	12.4	5.1	5.1	-36.7	-84.4	-46.0	-172.3	632.2	-966.2
159	ok	0.17	0.3	3.88e-02	12.4	12.4	5.1	5.1	-27.9	-90.7	-39.7	-541.7	-237.6	-1208.7
161	ok	0.15	0.4	3.89e-02	7.7	7.7	5.1	5.1	-30.2	-92.7	-33.3	-665.9	-549.3	-982.2
163	ok	0.15	0.3	3.64e-02	7.7	7.7	5.1	5.1	-34.9	-94.1	-20.1	-662.7	-622.7	-595.7
165	ok	0.15	0.2	3.44e-02	7.7	7.7	5.1	5.1	-38.2	-95.1	-3.5	-635.1	-616.6	-170.1
167	ok	0.15	0.3	3.45e-02	7.7	7.7	5.1	5.1	-38.6	-93.2	5.4	-684.2	-708.9	261.6
169	ok	0.15	0.3	3.58e-02	7.7	7.7	5.1	5.1	-38.2	-92.5	16.8	-711.2	-719.5	530.2
171	ok	0.15	0.4	3.62e-02	7.7	7.7	5.1	5.1	-36.3	-90.7	31.0	-723.3	-741.2	730.5
173	ok	0.15	0.4	3.87e-02	7.7	7.7	5.1	5.1	-32.3	-91.5	34.6	-634.2	-479.6	1083.2
175	ok	0.17	0.3	3.83e-02	12.4	12.4	5.1	5.1	-33.4	-86.6	36.9	-486.8	-111.0	1129.8
177	ok	0.17	0.3	3.95e-02	12.4	12.4	5.1	5.1	-19.8	-88.0	23.8	-231.0	455.3	1142.3
189	ok	0.17	0.7	3.73e-02	12.4	12.4	5.1	5.1	-51.0	-87.6	-21.1	432.0	2671.4	-27.7
200	ok	0.15	1.0	6.90e-02	7.7	7.7	5.1	7.1	-108.9	-185.1	21.3	915.9	5422.5	207.8
202	ok	0.15	0.4	6.26e-02	7.7	7.7	5.1	5.1	-44.7	-171.2	-26.6	-229.6	1641.9	-339.9
204	ok	0.15	0.4	5.68e-02	7.7	7.7	5.1	5.1	-21.6	-154.8	-32.7	-1288.8	-400.8	-639.3
206	ok	0.15	0.5	5.19e-02	7.7	7.7	5.1	5.1	18.2	-146.1	-20.0	-2128.0	-1319.1	-576.0
208	ok	0.15	0.6	4.87e-02	7.7	7.7	5.1	5.1	23.8	-137.8	-13.3	-2664.0	-1671.0	-365.3
210	ok	0.15	0.6	4.70e-02	7.7	7.7	5.1	5.1	25.2	-133.9	-3.6	-2910.9	-1762.4	-108.6
212	ok	0.15	0.6	4.73e-02	7.7	7.7	5.1	5.1	23.3	-134.5	5.0	-2873.6	-1806.9	167.9
214	ok	0.15	0.6	4.85e-02	7.7	7.7	5.1	5.1	21.6	-137.4	10.9	-2695.7	-1753.2	305.9
216	ok	0.15	0.6	4.93e-02	7.7	7.7	5.1	5.1	18.9	-139.6	16.1	-2544.3	-1660.2	437.2
218	ok	0.15	0.5	5.29e-02	7.7	7.7	5.1	5.1	-18.2	-144.7	29.0	-1891.7	-1079.4	619.2
220	ok	0.15	0.3	5.80e-02	7.7	7.7	5.1	5.1	-31.0	-158.8	34.2	-1008.8	98.4	564.9
222	ok	0.15	0.4	6.19e-02	7.7	7.7	5.1	5.1	-48.1	-168.6	32.3	-407.5	1229.9	433.4
234	ok	0.15	1.0	6.80e-02	7.7	7.7	5.1	6.9	-113.0	-183.6	-22.7	902.6	5339.9	-193.9
247	ok	0.16	1.0	7.26e-02	7.7	7.8	5.1	9.1	-116.9	-209.4	25.4	1278.6	6627.5	275.3
249	ok	0.15	0.6	6.96e-02	7.7	7.7	5.1	5.1	-49.8	-194.7	-8.6	118.6	2195.9	441.8
251	ok	0.15	0.2	6.26e-02	7.7	7.7	5.1	5.1	-19.3	-176.1	-6.6	-933.3	-206.6	264.9
253	ok	0.15	0.4	5.76e-02	7.7	7.7	5.1	5.1	25.3	-164.3	-4.7	-1876.6	-1327.4	237.7
255	ok	0.15	0.5	5.43e-02	7.7	7.7	5.1	5.1	36.3	-155.4	-3.1	-2524.1	-1785.6	175.0
257	ok	0.15	0.6	5.27e-02	7.7	7.7	5.1	5.1	40.9	-151.2	-0.8	-2831.8	-1886.7	57.2
259	ok	0.15	0.6	5.32e-02	7.7	7.7	5.1	5.1	40.2	-152.6	-0.2	-2811.0	-1932.7	-64.0
261	ok	0.15	0.6	5.42e-02	7.7	7.7	5.1	5.1	32.2	-155.5	2.5	-2547.4	-1858.7	-154.9
263	ok	0.15	0.5	5.52e-02	7.7	7.7	5.1	5.1	32.7	-156.7	4.0	-2376.1	-1766.6	-204.9
265	ok	0.15	0.4	5.88e-02	7.7	7.7	5.1	5.1	18.1	-167.8	0.2	-1625.0	-1108.8	-276.4
267	ok	0.15	0.2	6.43e-02	7.7	7.7	5.1	5.1	-32.5	-180.8	6.6	-638.9	405.8	-267.7
269	ok	0.15	0.5	6.87e-02	7.7	7.7	5.1	5.1	-52.4	-191.8	2.0	-44.5	1837.5	-336.3
279	ok	0.15	1.0	7.18e-02	7.7	7.8	5.1	8.9	-124.0	-206.6	-25.7	1243.9	6504.0	-280.9
290	ok	0.16	1.0	6.47e-02	7.7	7.7	5.1	9.7	-82.6	-162.2	47.3	2242.3	6755.3	141.3
292	ok	0.15	0.6	6.41e-02	7.7	7.7	5.1	5.1	-61.6	-154.7	21.5	1387.5	2286.3	667.9
294	ok	0.15	0.3	5.62e-02	7.7	7.7	5.1	5.1	-26.4	-157.8	15.1	103.5	-166.2	1177.8

296	ok	0.15	0.4	5.27e-02	7.7	7.7	5.1	5.1	21.7	-149.5	7.4	-718.4	-807.2	1029.6
298	ok	0.15	0.4	4.91e-02	7.7	7.7	5.1	5.1	36.6	-140.6	7.5	-1084.6	-985.2	641.9
300	ok	0.15	0.3	4.83e-02	7.7	7.7	5.1	5.1	44.9	-138.5	2.9	-1194.9	-984.5	171.3
302	ok	0.15	0.3	4.79e-02	7.7	7.7	5.1	5.1	41.8	-137.4	-6.3	-1274.4	-1058.3	-306.8
304	ok	0.15	0.4	4.88e-02	7.7	7.7	5.1	5.1	31.9	-140.0	-5.3	-1023.7	-1087.7	-522.8
306	ok	0.15	0.4	5.01e-02	7.7	7.7	5.1	5.1	32.0	-139.0	-4.4	-839.6	-1043.2	-769.8
308	ok	0.15	0.4	5.35e-02	7.7	7.7	5.1	5.1	13.3	-152.0	-17.4	-541.4	-729.7	-1141.9
310	ok	0.15	0.3	5.73e-02	7.7	7.7	5.1	5.1	-39.1	-159.4	-10.2	413.2	387.8	-1094.8
312	ok	0.15	0.6	6.30e-02	7.7	7.7	5.1	5.1	-63.7	-156.5	-16.6	1246.6	1804.8	-775.0
322	ok	0.16	1.0	6.43e-02	7.7	7.7	5.1	9.5	-90.4	-155.8	-46.1	2216.1	6619.7	-131.0
335	ok	0.15	1.0	0.1	7.7	7.7	5.1	6.0	-62.0	-183.8	30.3	-15.0	4810.0	-485.5
346	ok	0.15	0.3	9.69e-02	7.7	7.7	5.1	5.1	-87.5	-164.7	-154.6	-1381.1	-255.5	160.0
357	ok	0.15	0.3	7.39e-02	7.7	7.7	5.1	5.1	-44.6	-104.2	46.7	1168.8	192.9	501.7
368	ok	0.15	0.6	7.42e-02	7.7	7.7	5.1	5.1	-18.4	-72.9	29.8	2888.5	445.6	387.4
379	ok	0.15	0.8	4.11e-02	7.7	7.7	5.1	5.1	23.3	-72.4	15.8	4010.2	720.5	228.5
390	ok	0.15	1.0	4.96e-02	7.7	7.7	5.1	5.1	27.2	-61.1	3.2	4555.9	848.7	70.0
401	ok	0.15	1.0	3.66e-02	7.7	7.7	5.1	5.1	29.9	-67.8	-4.8	4510.4	857.5	-80.7
413	ok	0.15	0.8	6.05e-02	7.7	7.7	5.1	5.1	13.9	-76.8	-21.7	3570.1	714.2	-382.9
424	ok	0.15	0.5	5.91e-02	7.7	7.7	5.1	5.1	-11.7	-87.5	-37.3	2389.3	411.1	-458.7
435	ok	0.15	0.2	7.37e-02	7.7	7.7	5.1	5.1	-104.3	-111.5	110.8	-1110.9	-180.2	-113.5
446	ok	0.15	0.3	8.95e-02	7.7	7.7	5.1	5.1	-87.6	-148.9	142.1	-1308.5	-491.8	-145.2
467	ok	0.15	1.0	0.1	7.7	7.7	5.1	5.4	-73.5	-188.0	-26.9	-88.0	4527.8	483.6
487	ok	0.15	0.6	0.1	7.7	7.7	5.1	5.1	-112.5	-248.8	-74.6	962.0	2743.2	271.4
498	ok	0.15	0.3	9.51e-02	7.7	7.7	5.1	5.1	-62.3	-213.2	-61.8	770.7	905.7	271.7
514	ok	0.15	0.1	8.02e-02	7.7	7.7	5.1	5.1	-8.2	-183.9	105.1	255.2	251.3	-100.0
538	ok	0.15	0.3	7.82e-02	7.7	7.7	5.1	5.1	-69.9	-183.5	52.0	814.1	866.7	-193.9
539	ok	0.15	0.2	0.1	7.7	7.7	5.1	5.1	-77.7	-192.7	-137.1	509.3	295.5	463.4
540	ok	0.15	0.1	4.88e-02	7.7	7.7	5.1	5.1	-4.8	-121.1	52.5	-43.3	-302.5	-214.0
541	ok	0.15	0.1	7.82e-02	7.7	7.7	5.1	5.1	-130.9	-128.2	-89.0	-40.6	-137.4	-90.8
543	ok	0.15	7.83e-02	4.26e-02	7.7	7.7	5.1	5.1	27.3	-81.3	2.0	-39.5	-139.9	-18.6
545	ok	0.15	9.40e-02	6.10e-02	7.7	7.7	5.1	5.1	-104.4	-99.9	69.1	-50.2	-125.7	51.4
547	ok	0.15	5.59e-02	4.46e-02	7.7	7.7	5.1	5.1	-112.9	-70.3	-10.2	7.7	-70.6	52.3
548	ok	0.15	0.1	5.68e-02	7.7	7.7	5.1	5.1	20.9	-116.4	-13.0	-6.6	-175.1	149.7
549	ok	0.15	0.1	0.1	7.7	7.7	5.1	5.1	-120.0	-118.3	125.4	220.4	85.4	-171.1
550	ok	0.15	0.6	8.22e-02	7.7	7.7	5.1	5.1	-119.1	-207.9	48.4	1073.3	2356.5	-167.4
561	ok	0.15	0.4	6.99e-02	7.7	7.7	5.1	5.1	-101.6	-186.2	3.1	394.6	1506.0	-91.0
572	ok	0.15	0.2	5.11e-02	7.7	7.7	5.1	5.1	-114.7	-87.5	-44.4	602.6	724.4	126.7
588	ok	0.15	0.2	4.32e-02	7.7	7.7	5.1	5.1	-75.8	-79.3	24.1	519.4	389.6	-144.3
612	ok	0.15	0.2	4.90e-02	7.7	7.7	5.1	5.1	-87.7	-137.5	-3.6	413.3	756.8	-113.9
613	ok	0.15	0.2	8.72e-02	7.7	7.7	5.1	5.1	152.1	83.4	87.8	654.7	-95.2	-293.5
614	ok	0.15	0.1	0.1	7.7	7.7	5.1	5.1	-145.4	-71.5	-101.5	396.8	34.1	30.0
615	ok	0.15	9.72e-02	6.50e-02	7.7	7.7	5.1	5.1	-96.0	-141.0	69.0	149.3	-135.3	-79.1
617	ok	0.15	0.1	6.08e-02	7.7	7.7	5.1	5.1	3.3	-172.8	-9.27e-02	-61.1	-130.7	-12.9
619	ok	0.15	0.1	7.75e-02	7.7	7.7	5.1	5.1	-118.8	-162.8	-84.6	143.2	-150.1	79.7
621	ok	0.15	8.38e-02	4.43e-02	7.7	7.7	5.1	5.1	-100.8	-89.9	16.4	276.8	-84.9	22.0
622	ok	0.15	0.1	8.33e-02	7.7	7.7	5.1	5.1	-144.9	-38.7	84.7	388.2	37.4	-31.1
623	ok	0.15	0.1	8.31e-02	7.7	7.7	5.1	5.1	113.7	52.7	-76.9	587.9	-13.5	113.1
624	ok	0.15	0.4	6.67e-02	7.7	7.7	5.1	5.1	-94.2	-186.5	-7.1	358.1	1392.1	107.6
635	ok	0.15	0.3	5.69e-02	7.7	7.7	5.1	5.1	-79.2	-155.6	27.1	240.6	935.7	-140.0
646	ok	0.15	0.2	6.81e-02	7.7	7.7	5.1	5.1	-43.6	-149.5	47.0	206.7	650.4	-129.1
648	ok	0.15	0.2	6.24e-02	7.7	7.7	5.1	5.1	-43.4	-138.4	25.3	123.9	401.5	89.7
651	ok	0.15	9.55e-02	5.57e-02	7.7	7.7	5.1	5.1	-78.8	-120.6	8.6	236.5	32.6	150.0
656	ok	0.15	8.82e-02	5.25e-02	7.7	7.7	5.1	5.1	-79.1	-92.9	18.4	201.6	-75.4	34.7
659	ok	0.15	8.26e-02	5.18e-02	7.7	7.7	5.1	5.1	-51.3	-102.5	-6.5	124.7	-88.8	16.3
661	ok	0.15	8.87e-02	4.75e-02	7.7	7.7	5.1	5.1	-87.0	-83.4	-14.4	175.6	-102.4	11.9
665	ok	0.15	8.63e-02	5.21e-02	7.7	7.7	5.1	5.1	-86.7	-101.1	-11.7	204.1	-69.9	-69.2
668	ok	0.15	8.41e-02	5.15e-02	7.7	7.7	5.1	5.1	-71.4	-103.7	-1.7	183.5	-46.8	-99.1
671	ok	0.15	0.1	5.68e-02	7.7	7.7	5.1	5.1	-57.2	-125.6	-19.1	148.6	156.6	-94.0
673	ok	0.15	0.2	6.17e-02	7.7	7.7	5.1	5.1	-50.4	-133.0	-38.6	244.4	379.0	-29.9
676	ok	0.15	0.2	5.21e-02	7.7	7.7	5.1	5.1	-62.5	-134.9	-37.6	243.6	579.6	46.8
689	ok	0.15	0.3	5.64e-02	7.7	7.7	5.1	5.1	-79.8	-154.5	-18.6	237.4	939.6	139.3
709	ok	0.15	0.2	4.94e-02	7.7	7.7	5.1	5.1	-66.0	-130.3	26.1	176.2	720.8	-146.1
720	ok	0.15	0.2	5.12e-02	7.7	7.7	5.1	5.1	-50.9	-126.5	40.2	160.6	520.9	-125.0
723	ok	0.15	0.1	4.70e-02	7.7	7.7	5.1	5.1	-57.8	-117.2	27.6	149.8	269.8	63.3
726	ok	0.15	7.68e-02	4.41e-02	7.7	7.7	5.1	5.1	-74.8	-102.3	18.2	169.0	70.5	99.1
729	ok	0.15	7.19e-02	4.28e-02	7.7	7.7	5.1	5.1	-78.4	-90.1	19.1	170.1	-36.6	53.8
733	ok	0.15	7.79e-02	3.89e-02	7.7	7.7	5.1	5.1	-68.1	-93.3	2.1	141.5	-77.9	13.3
736	ok	0.15	7.64e-02	4.10e-02	7.7	7.7	5.1	5.1	-86.3	-84.1	-15.5	154.5	-63.4	-21.3
739	ok	0.15	7.07e-02	4.16e-02	7.7	7.7	5.1	5.1	-83.2	-88.6	-14.5	160.6	-31.8	-46.8
741	ok	0.15	6.73e-02	4.22e-02	7.7	7.7	5.1	5.1	-78.4	-93.3	-15.1	159.6	-10.2	-62.7
744	ok	0.15	8.02e-02	4.33e-02	7.7	7.7	5.1	5.1	-63.5	-106.2	-30.8	160.4	113.3	-74.6
747	ok	0.15	0.1	4.69e-02	7.7	7.7	5.1	5.1	-59.5	-109.4	-37.0	181.5	322.0	-25.6
750	ok	0.15	0.2	4.79e-02	7.7	7.7	5.1	5.1	-56.1	-118.2	-41.0	178.9	476.6	78.4
763	ok	0.15	0.2	4.81e-02	7.7	7.7	5.1	5.1	-67.3	-127.3	-23.1	177.2	710.7	149.5
782	ok	0.15	0.2	4.23e-02	7.7	7.7	5.1	5.1	-52.4	-107.7	7.9	121.8	533.2	-144.3
793	ok	0.15	0.2	4.32e-02	7.7	7.7	5.1	5.1	-49.4	-99.6	31.5	113.1	399.0	-141.5
796	ok	0.15	0.1	3.97e-02	7.7	7.7	5.1	5.1	-60.0	-95.0	30.0	115.7	216.8	40.8
799	ok	0.15	6.46e-02	3.70e-02	7.7	7.7	5.1	5.1	-74.2	-86.7	24.3	129.2	67.2	79.6
802	ok	0.15	6.47e-02	3.63e-02	7.7	7.7	5.1	5.1	-79.8	-80.7	19.1	133.2	-19.3	55.9

806	ok	0.15	7.00e-02	3.40e-02	7.7	7.7	5.1	5.1	-79.8	-80.8	3.3	126.6	-58.6	15.1
809	ok	0.15	6.82e-02	3.48e-02	7.7	7.7	5.1	5.1	-84.9	-76.1	-16.2	127.7	-45.9	-23.5
812	ok	0.15	6.36e-02	3.54e-02	7.7	7.7	5.1	5.1	-84.2	-78.8	-20.4	129.6	-17.4	-44.7
814	ok	0.15	6.07e-02	3.54e-02	7.7	7.7	5.1	5.1	-78.6	-80.5	-22.9	129.4	6.6	-54.5
817	ok	0.15	6.83e-02	3.86e-02	7.7	7.7	5.1	5.1	-66.8	-88.5	-32.3	128.7	102.0	-65.9
820	ok	0.15	0.1	4.06e-02	7.7	7.7	5.1	5.1	-57.3	-91.9	-35.9	130.3	261.4	-9.8
823	ok	0.15	0.2	4.26e-02	7.7	7.7	5.1	5.1	-52.7	-92.7	-34.2	122.2	371.1	104.2
836	ok	0.15	0.2	4.12e-02	7.7	7.7	5.1	5.1	-53.8	-104.5	-8.6	122.7	516.1	150.5
856	ok	0.15	0.1	2.06e-02	7.7	7.7	5.1	5.1	-17.2	-32.3	31.5	46.3	213.3	-138.0
867	ok	0.15	9.74e-02	3.01e-02	7.7	7.7	5.1	5.1	-48.4	-42.9	28.5	37.1	164.8	-166.9
870	ok	0.15	5.76e-02	3.21e-02	7.7	7.7	5.1	5.1	-62.1	-53.5	29.0	34.9	98.6	11.6
873	ok	0.15	4.92e-02	3.38e-02	7.7	7.7	5.1	5.1	-78.9	-58.5	25.5	33.7	48.3	53.4
876	ok	0.15	5.30e-02	3.39e-02	7.7	7.7	5.1	5.1	-90.3	-59.4	22.9	55.5	4.7	41.3
880	ok	0.15	5.20e-02	3.24e-02	7.7	7.7	5.1	5.1	-96.6	-54.8	6.4	77.7	-24.5	10.2
883	ok	0.15	5.19e-02	3.44e-02	7.7	7.7	5.1	5.1	-98.1	-57.6	-11.9	65.6	-24.0	-13.9
886	ok	0.15	5.35e-02	3.62e-02	7.7	7.7	5.1	5.1	-94.1	-58.3	-23.8	59.8	3.9	-31.1
888	ok	0.15	5.34e-02	3.46e-02	7.7	7.7	5.1	5.1	-85.4	-57.8	-29.4	54.8	17.2	-41.8
891	ok	0.15	4.60e-02	3.41e-02	7.7	7.7	5.1	5.1	-73.8	-57.0	-30.7	35.8	64.8	-45.0
894	ok	0.15	6.52e-02	3.15e-02	7.7	7.7	5.1	5.1	-56.2	-49.4	-33.2	59.1	120.9	20.0
897	ok	0.15	9.18e-02	3.23e-02	7.7	7.7	5.1	5.1	-50.5	-39.2	-30.8	39.9	149.9	149.8
910	ok	0.15	0.1	2.00e-02	7.7	7.7	5.1	5.1	-23.2	-38.9	-8.0	31.7	214.2	133.4
930	ok	0.15	4.39e-02	6.07e-03	7.7	7.7	5.1	5.1	7.2	25.5	-16.2	-136.0	-4.9	-27.9
946	ok	0.15	7.88e-02	1.54e-02	7.7	7.7	5.1	5.1	-34.8	7.5	1.4	-315.6	-53.6	-24.4
966	ok	0.15	9.86e-02	2.46e-02	7.7	7.7	5.1	5.1	-64.3	-10.2	24.0	-309.9	-52.4	-31.9
986	ok	0.15	8.59e-02	2.94e-02	7.7	7.7	5.1	5.1	-79.4	-26.4	25.4	-102.6	2.7	-22.1
1006	ok	0.15	7.10e-02	3.59e-02	7.7	7.7	5.1	5.1	-101.5	-38.0	24.2	8.2	19.3	7.6
1035	ok	0.15	6.28e-02	4.05e-02	7.7	7.7	5.1	5.1	-123.3	-42.7	-3.4	-81.1	-31.3	7.5
1055	ok	0.15	6.51e-02	4.13e-02	7.7	7.7	5.1	5.1	-121.3	-41.9	-5.0	-54.4	-19.4	-14.8
1085	ok	0.15	7.58e-02	3.71e-02	7.7	7.7	5.1	5.1	-93.1	-34.3	-30.9	6.2	22.3	-1.6
1105	ok	0.15	9.32e-02	2.80e-02	7.7	7.7	5.1	5.1	-71.4	-20.8	-29.4	-135.0	-3.6	24.1
1125	ok	0.15	9.77e-02	2.18e-02	7.7	7.7	5.1	5.1	-54.7	-5.5	-23.6	-298.2	-45.9	28.4
1159	ok	0.15	6.23e-02	1.32e-02	7.7	7.7	5.1	5.1	-24.2	9.3	-3.0	-239.8	-36.5	42.6
1179	ok	0.15	4.20e-02	5.43e-03	7.7	7.7	5.1	5.1	8.6	24.1	12.7	-124.0	-11.6	19.2

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**
								-145.43	-248.79	-154.56	-2910.95	-1932.70	-1208.73
	0.17	0.99	0.14	12.41	12.41	5.13	9.74	152.13	83.41	142.13	5641.05	6755.32	1177.77

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
11	ok	2.25						
22	ok	4.74						
33	ok Av	7.08	0.17	0.22	4.9	6.5	72.1	94.3
44	ok Av	8.85	0.29	0.19	8.6	5.5	125.0	79.8
55	ok Av	9.86	0.36	0.14	10.5	3.9	154.0	57.4
66	ok Av	10.18	0.39	0.08	11.3	2.3	165.7	33.7
77	ok Av	10.28	0.40	0.08	11.7	2.4	170.5	35.5
88	ok Av	9.76	0.38	0.09	11.1	2.6	161.6	38.0
99	ok Av	10.06	0.37	0.14	10.8	4.0	157.2	58.6
110	ok Av	8.21	0.26	0.20	7.5	5.7	109.6	83.2
121	ok Av	5.94	0.11	0.21	3.3	6.0	47.7	87.5
123	ok	4.56						
144	ok	2.44						
155	ok	5.07						
157	ok Av	7.35	0.19	0.27	5.6	7.8	81.9	113.6
159	ok Av	7.51	0.20	0.22	5.9	6.2	86.4	91.2
161	ok Av	8.41	0.28	0.17	8.2	5.0	120.3	73.1
163	ok Av	9.34	0.33	0.15	9.7	4.4	141.7	64.5
165	ok Av	9.97	0.36	0.14	10.6	4.2	154.3	60.8
167	ok Av	10.06	0.38	0.13	11.0	3.8	160.6	55.7
169	ok Av	9.31	0.36	0.09	10.4	2.5	152.4	36.9
171	ok Av	9.55	0.37	0.14	10.7	4.1	156.6	60.6
173	ok Av	8.20	0.27	0.18	8.0	5.2	116.2	75.3
175	ok Av	6.94	0.20	0.19	5.8	5.4	85.1	79.3
177	ok Av	7.04	0.14	0.26	4.2	7.5	60.8	108.9
189	ok	4.91						
200	ok Av	9.30	0.02	0.36	0.6	10.6	9.0	154.4
202	ok Av	10.36	0.23	0.33	6.7	9.7	97.4	141.7
204	ok Av	6.37	0.10	0.23	2.8	6.7	41.0	98.1
206	ok	5.09						
208	ok	4.80						
210	ok	4.76						
212	ok	5.30						
214	ok	4.99						
216	ok Av	5.45	0.21	0.03	6.1	0.8	89.7	11.9
218	ok Av	5.43	0.13	0.16	3.9	4.8	57.0	69.9
220	ok Av	6.85	0.13	0.23	3.9	6.7	57.1	98.3
222	ok Av	9.56	0.19	0.32	5.6	9.3	81.4	136.3

234	ok Av	9.02	0.01	0.35	0.3	10.2	4.3	149.7
247	ok Av	10.46	0.10	0.40	3.0	11.6	43.8	170.1
249	ok Av	10.60	0.20	0.36	5.8	10.6	84.1	154.8
251	ok Av	7.26	0.13	0.25	3.7	7.4	53.4	108.1
253	ok Av	5.53	0.13	0.17	3.7	5.0	54.5	73.8
255	ok	4.63						
257	ok	4.17						
259	ok	4.61						
261	ok	4.74						
263	ok	4.74						
265	ok Av	6.02	0.14	0.19	3.9	5.6	57.5	81.7
267	ok Av	7.73	0.15	0.26	4.3	7.6	63.1	111.8
269	ok Av	9.90	0.17	0.35	5.0	10.1	73.7	147.0
279	ok Av	10.16	0.09	0.39	2.6	11.3	37.7	165.0
290	ok Av	9.27	0.10	0.35	2.8	10.1	41.6	148.2
292	ok Av	12.90	0.19	0.47	5.4	13.7	79.0	199.6
294	ok Av	6.95	0.12	0.25	3.5	7.1	50.8	104.1
296	ok Av	6.17	0.19	0.15	5.5	4.3	80.9	63.5
298	ok Av	6.93	0.24	0.12	7.1	3.4	104.0	50.1
300	ok Av	7.50	0.27	0.11	7.9	3.1	116.0	46.0
302	ok Av	7.23	0.27	0.10	7.8	2.9	114.4	42.2
304	ok Av	6.56	0.23	0.12	6.6	3.5	96.3	50.9
306	ok Av	5.88	0.23	0.04	6.6	1.0	96.4	15.3
308	ok Av	6.04	0.17	0.16	5.0	4.8	72.7	69.9
310	ok Av	7.32	0.13	0.26	3.8	7.4	55.6	108.7
312	ok Av	12.00	0.16	0.44	4.7	12.8	69.0	187.6
322	ok Av	8.92	0.10	0.33	3.0	9.7	43.3	141.6
335	ok Av	23.43	0.30	0.87	8.8	25.1	128.5	367.2
346	ok Av	14.76	0.57	0.10	16.7	3.0	243.8	44.1
357	ok	4.72						
368	ok Av	6.03	0.18	0.16	5.2	4.5	75.6	65.8
379	ok Av	7.54	0.27	0.11	7.9	3.3	115.7	48.5
390	ok Av	8.02	0.31	0.07	8.9	2.0	129.7	29.7
401	ok Av	7.96	0.31	0.07	9.0	2.1	131.8	30.1
413	ok Av	8.19	0.31	0.09	8.9	2.7	130.1	39.6
424	ok	5.36						
435	ok	4.80						
446	ok Av	13.55	0.52	0.11	15.1	3.2	220.0	47.0
467	ok Av	22.70	0.33	0.83	9.6	23.9	139.8	350.0
487	ok	5.07						
498	ok	4.93						
514	ok	2.78						
538	ok	5.25						
539	ok	4.79						
540	ok	1.16						
541	ok	0.92						
543	ok	0.42						
545	ok	0.70						
547	ok	0.80						
548	ok	0.57						
549	ok	2.80						
550	ok	3.73						
561	ok	1.00						
572	ok	2.11						
588	ok	1.13						
612	ok	1.66						
613	ok	2.29						
614	ok	2.64						
615	ok	0.85						
617	ok	0.17						
619	ok	1.01						
621	ok	0.47						
622	ok	2.12						
623	ok	0.71						
624	ok	0.95						
635	ok	1.25						
646	ok	1.59						
648	ok	0.81						
651	ok	0.63						
656	ok	0.75						
659	ok	0.30						
661	ok	0.69						
665	ok	0.22						
668	ok	0.69						
671	ok	0.87						
673	ok	0.85						
676	ok	1.54						
689	ok	0.99						
709	ok	1.34						

720	ok	1.51
723	ok	0.65
726	ok	0.37
729	ok	0.28
733	ok	0.09
736	ok	0.19
739	ok	0.22
741	ok	0.24
744	ok	0.48
747	ok	0.73
750	ok	1.49
763	ok	1.11
782	ok	1.40
793	ok	1.44
796	ok	0.62
799	ok	0.40
802	ok	0.27
806	ok	0.16
809	ok	0.20
812	ok	0.26
814	ok	0.28
817	ok	0.46
820	ok	0.69
823	ok	1.44
836	ok	1.20
856	ok	1.41
867	ok	1.42
870	ok	0.68
873	ok	0.47
876	ok	0.33
880	ok	0.24
883	ok	0.28
886	ok	0.29
888	ok	0.35
891	ok	0.54
894	ok	0.70
897	ok	1.44
910	ok	1.30
930	ok	0.93
946	ok	0.95
966	ok	0.90
986	ok	0.59
1006	ok	0.32
1035	ok	0.29
1055	ok	0.23
1085	ok	0.44
1105	ok	0.69
1125	ok	0.96
1159	ok	0.86
1179	ok	0.88

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	23.43	0.57	0.87	16.68	25.12	243.82	367.16

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
5	420.00	20.00	50.00	50.00	500.00	58.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-470.0	8d14	14/20	14/30	0.04	1.97e-03	0.03	0.03	0.02	0.04	0.0	4.475e+05	1.205e+04
-428.0	8d14	14/20	14/30	0.04	2.02e-03	0.04	0.04	0.03	0.05	0.0	4.475e+05	1.205e+04
-386.0	0d0	14/20	14/30	0.03	9.37e-04	0.02	0.04	0.03	0.0	0.0	4.475e+05	1.205e+04
-345.0	0d0	14/20	14/30	0.03	5.59e-03	0.01	0.02	0.02	0.0	0.0	4.475e+05	1.205e+04
-344.0	0d0	14/20	14/30	0.03	0.01	0.01	0.02	0.02	0.0	0.0	4.475e+05	1.205e+04
-302.0	0d0	14/20	14/30	0.03	5.94e-03	0.02	0.04	0.03	0.0	0.0	4.475e+05	1.144e+04
-295.0	0d0	14/20	14/30	0.02	3.98e-03	0.02	0.03	0.02	0.0	0.0	4.475e+05	

1.129e+04												
-250.0	0d0	14/20	14/30	0.02	9.62e-03	0.02	0.03	0.02	0.0	0.0	4.475e+05	
1.033e+04												
-218.0	0d0	14/20	14/30	0.03	6.67e-03	0.04	0.08	0.06	0.0	0.0	4.475e+05	9636.74
-205.0	0d0	14/20	14/30	0.02	5.88e-03	0.03	0.06	0.05	0.0	0.0	4.475e+05	9357.10
-176.0	0d0	14/20	14/30	0.03	6.31e-03	0.03	0.05	0.04	0.0	0.0	4.475e+05	8733.29
-170.0	0d0	14/20	14/30	0.02	5.44e-03	0.02	0.05	0.04	0.0	0.0	4.475e+05	8604.23
-148.0	0d0	14/20	14/30	0.02	5.69e-03	0.02	0.04	0.03	0.0	0.0	4.329e+05	8131.00
-134.0	0d0	14/20	14/30	0.02	3.91e-03	0.02	0.04	0.03	0.0	0.0	4.227e+05	7829.85
-120.0	0d0	14/20	14/30	0.02	3.48e-03	0.02	0.04	0.03	0.0	0.0	4.125e+05	7528.70
-92.0	0d0	14/20	14/30	0.02	4.54e-03	0.02	0.03	0.03	0.0	0.0	3.920e+05	6926.40
-50.0	0d0	14/20	14/30	0.02	4.06e-03	0.02	0.03	0.03	0.0	0.0	3.614e+05	6022.96

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.04	0.01	0.04	0.08	0.06	0.05

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-470.0	-1.380e+04	-1.042e+04	4.957e+04	-1.022e+04	2547.48	-1.022e+04	4.826e+04	2547.48	-1.022e+04	4.826e+04	2547.48
-428.0	-1.372e+04	-1.238e+04	5.134e+04	-1.044e+04	3322.20	-1.044e+04	2.879e+04	3322.20	-1.044e+04	2.879e+04	3322.20
-386.0	-1.300e+04	-1.158e+04	2.065e+04	-9823.42	3416.36	-9823.42	3420.43	3416.36	0.0	0.0	0.0
-345.0	-1.144e+04	-1.127e+04	1.230e+05	-8598.08	2029.32	-8598.08	9.049e+04	2029.32	0.0	0.0	0.0
-344.0	-9601.34	-6834.59	1.561e+05	-8719.57	1779.62	-8719.57	9.201e+04	1779.62	0.0	0.0	0.0
-302.0	-1.095e+04	-9899.53	8.502e+04	-1.018e+04	3194.31	-1.018e+04	6.761e+04	3194.31	0.0	0.0	0.0
-295.0	-8818.37	-8444.10	8.640e+04	-8229.07	2955.19	-8229.07	5.693e+04	2955.19	0.0	0.0	0.0
-250.0	-9009.50	-6014.90	2.064e+05	-8267.59	2919.31	-8267.59	1.296e+05	2919.31	0.0	0.0	0.0
-218.0	-1.705e+04	-1.469e+04	4.475e+05	-1.464e+04	1.205e+04	-1.464e+04	1.559e+05	1.205e+04	0.0	0.0	0.0
-205.0	-1.638e+04	-1.434e+04	3.944e+05	-1.448e+04	1.022e+04	-1.448e+04	8.664e+04	1.022e+04	0.0	0.0	0.0
-176.0	-1.709e+04	-1.516e+04	4.245e+05	-1.504e+04	8293.83	-1.504e+04	4.556e+04	8293.83	0.0	0.0	0.0
-170.0	-1.564e+04	-1.430e+04	3.651e+05	-1.435e+04	7654.46	-1.435e+04	2672.90	7654.46	0.0	0.0	0.0
-148.0	-1.557e+04	-1.428e+04	3.816e+05	-1.420e+04	6762.17	-1.420e+04	2.561e+04	6762.17	0.0	0.0	0.0
-134.0	-1.465e+04	-1.359e+04	2.281e+05	-1.357e+04	6110.42	-1.357e+04	8.721e+04	6110.42	0.0	0.0	0.0
-120.0	-1.396e+04	-1.311e+04	2.028e+05	-1.306e+04	5656.70	-1.306e+04	6.642e+04	5656.70	0.0	0.0	0.0
-92.0	-1.279e+04	-1.224e+04	3.027e+05	-1.218e+04	5199.26	-1.218e+04	6.552e+04	5199.26	0.0	0.0	0.0
-50.0	-1.113e+04	-1.096e+04	2.702e+05	-1.087e+04	5112.92	-1.087e+04	1.140e+05	5112.92	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-470.0	1.00	2547.48	7.617e+04	1.00	9.192e+04	7.617e+04	4.819e+04	2996.24	1.0	40.0	0.0	2.061e+04
-428.0	1.00	3322.20	7.619e+04	1.00	9.192e+04	7.619e+04	4.819e+04	2996.24	1.0	40.0	0.0	2.061e+04
-386.0	1.00	3416.36	1.916e+05	1.00	9.252e+04	1.916e+05	0.0	0.0	0.0	0.0	0.0	0.0
-345.0	1.00	2029.32	1.913e+05	1.00	9.252e+04	1.913e+05	0.0	0.0	0.0	0.0	0.0	0.0
-344.0	1.00	1779.62	1.584e+05	1.00	7.646e+04	1.584e+05	0.0	0.0	0.0	0.0	0.0	0.0
-302.0	1.00	3194.31	1.587e+05	1.00	7.646e+04	1.587e+05	0.0	0.0	0.0	0.0	0.0	0.0
-295.0	1.00	2955.19	1.913e+05	1.00	9.252e+04	1.913e+05	0.0	0.0	0.0	0.0	0.0	0.0
-250.0	1.00	2919.31	1.913e+05	1.00	9.252e+04	1.913e+05	0.0	0.0	0.0	0.0	0.0	0.0
-218.0	1.00	1.205e+04	3.308e+05	1.00	1.600e+05	3.308e+05	0.0	0.0	0.0	0.0	0.0	0.0
-205.0	1.00	1.022e+04	3.308e+05	1.00	1.600e+05	3.308e+05	0.0	0.0	0.0	0.0	0.0	0.0
-176.0	1.00	8293.83	3.309e+05	1.00	1.600e+05	3.309e+05	0.0	0.0	0.0	0.0	0.0	0.0
-170.0	1.00	7654.46	3.308e+05	1.00	1.600e+05	3.308e+05	0.0	0.0	0.0	0.0	0.0	0.0
-148.0	1.00	6762.17	3.307e+05	1.00	1.600e+05	3.307e+05	0.0	0.0	0.0	0.0	0.0	0.0
-134.0	1.00	6110.42	3.142e+05	1.00	1.520e+05	3.142e+05	0.0	0.0	0.0	0.0	0.0	0.0
-120.0	1.00	5656.70	3.141e+05	1.00	1.520e+05	3.141e+05	0.0	0.0	0.0	0.0	0.0	0.0
-92.0	1.00	5199.26	3.303e+05	1.00	1.600e+05	3.303e+05	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	1.00	5112.92	3.301e+05	1.00	1.600e+05	3.301e+05	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-470.0	0.02	-1.041e+04	4.925e+04	2179.27	0.88	3.331e+04	7.721e+04	0.0	5.13e-03	7.70e-03	0.0
-428.0	0.03	-1.060e+04	2.513e+04	2953.98	0.88	3.350e+04	7.721e+04	0.0	5.13e-03	7.70e-03	0.0
-386.0	0.03	-1.002e+04	3810.61	3093.65	0.88	3.078e+04	7.721e+04	0.0	5.13e-03	7.70e-03	0.0
-345.0	0.02	-8695.39	1.158e+05	1705.05	0.88	2.946e+04	7.721e+04	0.0	5.13e-03	7.70e-03	0.0
-344.0	0.02	-8483.09	8.147e+04	1530.41	1.02	2.586e+04	7.403e+04	0.0	5.13e-03	7.70e-03	0.0
-302.0	0.03	-9930.25	8.338e+04	2951.98	1.02	2.729e+04	7.403e+04	0.0	5.13e-03	7.70e-03	0.0
-295.0	0.02	-8066.11	1.281e+04	2760.40	1.02	2.884e+04	8.945e+04	0.0	5.13e-03	7.70e-03	0.0
-250.0	0.02	-8310.69	1.813e+05	2702.05	1.02	2.908e+04	8.945e+04	0.0	5.13e-03	7.70e-03	0.0
-218.0	0.06	-1.350e+04	7.126e+04	1.122e+04	0.88	4.847e+04	1.319e+05	0.0	5.13e-03	7.70e-03	0.0
-205.0	0.05	-1.355e+04	1.496e+04	9510.91	0.88	4.852e+04	1.319e+05	0.0	5.13e-03	7.70e-03	0.0
-176.0	0.04	-1.413e+04	2.328e+04	7587.46	0.88	4.910e+04	1.319e+05	0.0	5.13e-03	7.70e-03	0.0
-170.0	0.04	-1.452e+04	6955.66	7170.85	0.88	4.949e+04	1.331e+05	0.0	5.13e-03	7.70e-03	0.0
-148.0	0.03	-1.438e+04	1.611e+04	6279.50	0.88	4.935e+04	1.331e+05	0.0	5.13e-03	7.70e-03	0.0
-134.0	0.03	-1.374e+04	9.882e+04	5710.20	0.88	4.702e+04	1.265e+05	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.03	-1.324e+04	7.614e+04	5313.77	0.88	4.651e+04	1.265e+05	0.0	5.13e-03	7.70e-03	0.0
-92.0	0.03	-1.231e+04	5.866e+04	4943.84	0.88	4.728e+04	1.331e+05	0.0	5.13e-03	7.70e-03	0.0
-50.0	0.03	-1.094e+04	1.099e+05	5003.63	0.88	4.592e+04	1.331e+05	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.06	0.0

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
134	ok	0.16	3.99e-02	8.00e-03	10.6	10.6	5.1	5.1	10.0	49.0	-29.6	200.6	113.6	-0.3
135	ok	0.16	0.2	1.44e-02	10.6	10.6	5.1	5.1	-47.6	18.3	1.8	1373.9	490.1	291.0
136	ok	0.15	0.7	1.94e-02	7.7	7.7	5.1	5.1	-53.9	-11.0	1.3	3491.2	697.2	296.2
137	ok	0.15	1.0	2.74e-02	7.7	8.1	5.1	5.2	-73.0	-43.6	20.0	5427.7	1031.3	264.9
138	ok	0.16	1.0	3.14e-02	7.7	10.4	5.1	5.2	-85.2	-67.2	18.8	6823.8	1294.8	159.4
139	ok	0.17	1.0	3.16e-02	7.7	11.5	5.1	5.1	-88.3	-78.1	13.0	7417.1	1402.5	43.4
140	ok	0.17	1.0	2.81e-02	7.7	11.0	5.1	5.1	-83.0	-72.9	-7.4	7119.3	1343.0	-118.3
141	ok	0.16	1.0	2.59e-02	7.7	9.0	5.1	5.2	-71.1	-56.1	-13.7	5951.2	1117.3	-239.6
142	ok	0.16	0.6	1.97e-02	10.6	10.6	5.1	5.1	-54.4	-31.4	-3.8	4097.0	793.8	-294.1
143	ok	0.16	0.3	1.73e-02	10.6	10.6	5.1	5.1	-34.7	-0.2	1.8	1901.9	471.3	-300.0
144	ok	0.16	5.93e-02	9.46e-03	10.6	10.6	5.1	5.1	-14.2	28.1	30.6	262.0	161.4	-11.6
179	ok	0.16	0.8	3.36e-02	10.6	10.6	5.1	5.1	-33.6	-86.2	-20.1	559.9	2925.6	58.8
180	ok	0.16	0.4	3.64e-02	10.6	10.6	5.1	5.1	-52.6	-86.9	34.1	177.5	905.6	1376.5
181	ok	0.15	0.4	4.32e-02	7.7	7.7	5.1	5.1	-63.5	-95.9	31.6	58.9	-64.8	1737.5
182	ok	0.15	0.4	4.56e-02	7.7	7.7	5.1	5.1	-65.2	-103.9	35.4	361.8	-548.1	1356.7
183	ok	0.15	0.3	4.35e-02	7.7	7.7	5.1	5.1	-66.3	-109.8	26.3	533.6	-728.0	831.3
184	ok	0.15	0.3	4.11e-02	7.7	7.7	5.1	5.1	-63.8	-112.7	8.9	629.9	-813.9	129.6
185	ok	0.15	0.3	3.98e-02	7.7	7.7	5.1	5.1	-60.1	-110.1	-10.1	572.3	-792.9	-600.8
186	ok	0.15	0.4	4.02e-02	7.7	7.7	5.1	5.1	-55.3	-105.2	-24.4	416.6	-657.3	-1215.6
187	ok	0.16	0.4	4.03e-02	10.6	10.6	5.1	5.1	-51.7	-100.5	-28.0	106.6	-286.2	-1755.0
188	ok	0.16	0.5	4.12e-02	10.6	10.6	5.1	5.1	-46.2	-93.5	-22.3	194.0	593.4	-1762.7
189	ok	0.16	0.7	4.33e-02	10.6	10.6	5.1	5.1	-54.6	-104.2	37.6	539.6	2689.2	-254.7
224	ok	0.15	1.0	6.86e-02	7.7	7.7	5.1	8.4	-82.9	-196.5	-1.1	1099.5	6246.8	-38.3
225	ok	0.15	0.6	8.59e-02	7.7	7.7	5.1	5.1	-71.8	-236.2	10.8	-128.7	2423.9	1156.6
226	ok	0.15	0.5	7.76e-02	7.7	7.7	5.1	5.1	-80.7	-159.7	5.0	-1077.5	-395.7	1485.2
227	ok	0.15	0.7	7.87e-02	7.7	7.7	5.1	5.1	-39.4	-208.0	40.8	-1058.1	-1746.4	1792.8
228	ok	0.15	0.7	8.03e-02	7.7	7.7	5.1	5.1	8.4	-220.1	31.9	-1555.7	-2635.6	724.3
229	ok	0.15	0.6	6.38e-02	7.7	7.7	5.1	5.1	-31.9	-164.0	-4.9	-2065.6	-2557.9	45.5
230	ok	0.15	0.7	5.63e-02	7.7	7.7	5.1	5.1	-40.8	-151.1	-16.3	-2042.8	-2449.1	-606.3
231	ok	0.15	0.7	5.58e-02	7.7	7.7	5.1	5.1	-44.6	-150.9	-22.6	-1709.9	-1957.0	-1152.8
232	ok	0.15	0.5	5.80e-02	7.7	7.7	5.1	5.1	-48.3	-158.9	-22.7	-1075.1	-843.9	-1461.2
233	ok	0.15	0.5	6.19e-02	7.7	7.7	5.1	5.1	-61.1	-173.6	-6.3	-154.6	1293.5	-1431.1
234	ok	0.15	1.0	6.86e-02	7.7	7.8	5.1	7.0	-114.3	-184.7	40.6	923.7	5352.1	-267.1
235	ok	0.15	0.6	0.2	7.7	7.7	5.1	5.1	-91.0	-335.9	44.8	-1348.6	1583.4	802.8
236	ok	0.15	0.8	0.1	7.7	7.7	5.1	5.1	113.3	-56.9	-104.5	-2935.4	-596.9	-1876.3
271	ok	0.18	1.0	8.24e-02	7.7	7.7	5.1	11.5	-156.8	-215.6	63.3	1503.4	7936.3	-65.0
272	ok	0.15	0.7	9.29e-02	7.7	7.7	5.1	5.1	-91.4	-152.8	124.4	612.1	2697.3	-455.6
273	ok	0.15	0.7	7.43e-02	7.7	7.7	5.1	5.1	42.4	-190.1	-58.8	-2121.2	-3104.4	-628.7
274	ok	0.15	0.8	5.89e-02	7.7	7.7	5.1	5.1	-28.9	-156.5	-31.1	-2737.0	-3383.1	-110.2
275	ok	0.15	0.8	5.92e-02	7.7	7.7	5.1	5.1	-37.6	-162.2	-18.1	-2610.1	-3367.5	-372.4
276	ok	0.15	0.7	6.19e-02	7.7	7.7	5.1	5.1	-44.0	-171.8	-13.0	-2116.4	-2622.8	-650.1
277	ok	0.15	0.4	6.44e-02	7.7	7.7	5.1	5.1	-55.4	-181.0	-6.3	-1271.0	-1002.9	-780.6
278	ok	0.15	0.5	6.76e-02	7.7	7.7	5.1	5.1	-78.1	-190.5	11.4	-117.8	1802.5	-787.7
279	ok	0.16	1.0	6.88e-02	7.7	7.7	5.1	9.1	-124.3	-186.5	-32.4	1117.9	6517.2	-248.7
314	ok	0.19	1.0	7.68e-02	7.7	7.7	5.1	12.5	-149.3	-209.7	-53.4	1698.2	8411.8	-34.2
315	ok	0.15	0.9	8.55e-02	7.7	7.7	5.1	5.1	-4.9	-178.0	-117.6	526.5	3712.2	845.3
316	ok	0.15	0.9	6.80e-02	7.7	7.7	5.1	5.1	49.8	-163.2	80.9	-2093.9	-3163.7	1421.1
317	ok	0.15	0.9	6.08e-02	7.7	7.7	5.1	5.1	14.0	-168.0	36.4	-2476.6	-3785.4	192.1
318	ok	0.15	0.9	6.37e-02	7.7	7.7	5.1	5.1	-36.6	-171.0	7.4	-2413.3	-3700.3	-69.7
319	ok	0.15	0.7	6.73e-02	7.7	7.7	5.1	5.1	-41.8	-184.7	3.0	-1928.3	-2800.1	-146.9
320	ok	0.15	0.3	6.95e-02	7.7	7.7	5.1	5.1	-57.8	-190.6	-2.0	-1141.7	-944.2	-155.8
321	ok	0.15	0.5	6.71e-02	7.7	7.7	5.1	5.1	-81.3	-179.4	-20.8	-87.7	2034.4	-125.0
322	ok	0.15	1.0	5.68e-02	7.7	7.7	5.1	9.0	-94.6	-153.4	-38.3	1100.6	6363.0	-45.0
323	ok	0.15	0.6	0.2	7.7	7.7	5.1	5.1	-41.8	-439.7	-92.4	313.8	3070.0	-789.8
324	ok	0.15	1.0	0.1	7.7	7.7	5.1	5.1	-10.0	-371.4	88.5	-805.3	-5215.3	155.3
457	ok	0.18	1.0	6.66e-02	7.7	7.7	5.1	12.2	-56.7	-192.5	-3.9	1629.9	8181.8	75.6
458	ok	0.15	0.9	9.71e-02	7.7	7.7	5.1	5.1	-74.8	-270.0	11.8	391.7	4080.7	-448.2
459	ok	0.15	0.3	8.27e-02	7.7	7.7	5.1	5.1	-59.6	-231.1	-26.3	-396.0	647.4	-603.7
460	ok	0.15	0.5	8.18e-02	7.7	7.7	5.1	5.1	-51.1	-223.7	-6.4	-1035.1	-2159.1	-509.8
461	ok	0.15	0.8	0.1	7.7	7.7	5.1	5.1	-43.3	-268.7	-36.7	-1108.3	-3885.9	-361.3
462	ok	0.15	0.9	7.97e-02	7.7	7.7	5.1	5.1	26.5	-218.4	4.8	-1858.2	-3915.2	75.9
463	ok	0.15	0.8	7.34e-02	7.7	7.7	5.1	5.1	16.6	-205.9	15.9	-1830.8	-3622.1	203.8
464	ok	0.15	0.6	7.37e-02	7.7	7.7	5.1	5.1	-25.1	-200.5	18.9	-1448.5	-2615.9	347.7
465	ok	0.15	0.3	7.94e-02	7.7	7.7	5.1	5.1	-31.1	-215.4	18.4	-748.0	-804.7	444.5
466	ok	0.15	0.5	9.71e-02	7.7	7.7	5.1	5.1	-43.7	-258.4	-3.7	421.9	2151.8	429.3
467	ok	0.15	1.0	0.2	7.7	8.0	5.1	8.7	-56.7	-424.9	125.8	1608.0	7208.3	367.5
468	ok	0.15	0.2	2.94e-02	7.7	7.7	5.1	5.1	-46.4	-52.7	18.6	367.6	536.0	65.4
469	ok	0.15	0.2	3.27e-02	7.7	7.7	5.1	5.1	-54.1	-61.9	21.7	886.7	185.6	66.6
470	ok	0.15	0.3	3.17e-02	7.7	7.7	5.1	5.1	-61.7	-57.7	19.5	1381.4	241.3	28.1
471	ok	0.15	0.3	2.65e-02	7.7	7.7	5.1	5.1	-63.3	-47.1	12.6	1517.6	274.5	-1.8
472	ok	0.15	0.3	2.26e-02	7.7	7.7	5.1	5.1	-58.2	-36.9	9.6	1412.7	252.6	-19.2
473	ok	0.15	0.3	1.98e-02	7.7	7.7	5.1	5.1	-51.5	-28.9	6.7	1264.2	227.7	-33.8

474	ok	0.15	0.2	1.69e-02	7.7	7.7	5.1	5.1	-45.5	-19.9	13.8	1060.3	204.9	-41.8
475	ok	0.15	0.2	1.27e-02	7.7	7.7	5.1	5.1	-31.0	-8.2	11.2	721.2	183.0	-54.6
476	ok	0.15	4.35e-02	3.33e-04	7.7	7.7	5.1	5.1	17.4	16.8	12.9	209.5	126.9	-5.4
519	ok	0.17	1.0	5.66e-02	7.7	7.7	5.1	10.7	-58.9	-169.9	-10.3	1414.8	7257.5	9.7
520	ok	0.15	0.8	6.19e-02	7.7	7.7	5.1	5.1	-55.8	-172.3	-8.9	497.5	3267.8	-515.7
521	ok	0.15	0.2	6.28e-02	7.7	7.7	5.1	5.1	-55.9	-175.8	-14.9	-324.9	378.2	-778.6
522	ok	0.15	0.5	6.40e-02	7.7	7.7	5.1	5.1	-47.6	-176.2	-15.8	-900.7	-1754.1	-680.9
523	ok	0.15	0.7	6.62e-02	7.7	7.7	5.1	5.1	-35.1	-178.2	-10.7	-1327.9	-2934.3	-395.5
524	ok	0.15	0.8	6.62e-02	7.7	7.7	5.1	5.1	-29.5	-180.5	-3.2	-1513.8	-3411.6	-51.8
525	ok	0.15	0.8	6.62e-02	7.7	7.7	5.1	5.1	-27.3	-179.8	13.9	-1471.3	-3196.2	304.7
526	ok	0.15	0.6	6.75e-02	7.7	7.7	5.1	5.1	-32.7	-181.8	25.9	-1137.2	-2309.3	588.0
527	ok	0.15	0.3	7.25e-02	7.7	7.7	5.1	5.1	-43.1	-190.9	39.9	-531.4	-661.4	764.2
528	ok	0.15	0.6	9.08e-02	7.7	7.7	5.1	5.1	-49.7	-225.3	90.3	278.2	2225.5	793.9
529	ok	0.15	0.3	3.45e-02	7.7	7.7	5.1	5.1	-34.5	-88.1	24.6	435.6	995.2	117.1
530	ok	0.15	0.1	3.02e-02	7.7	7.7	5.1	5.1	-49.1	-65.4	20.0	56.2	-84.0	316.3
531	ok	0.15	0.1	2.56e-02	7.7	7.7	5.1	5.1	-52.4	-56.0	12.6	-94.8	-217.5	186.7
532	ok	0.15	0.1	2.07e-02	7.7	7.7	5.1	5.1	-50.2	-44.8	13.9	-142.2	-262.2	-23.5
533	ok	0.15	0.1	1.70e-02	7.7	7.7	5.1	5.1	-46.2	-41.5	6.8	-143.8	-227.4	-144.0
534	ok	0.15	0.1	1.61e-02	7.7	7.7	5.1	5.1	-42.8	-38.5	2.1	-140.6	-176.9	-219.7
535	ok	0.15	0.1	1.59e-02	7.7	7.7	5.1	5.1	-36.5	-36.4	-10.7	-124.5	-122.3	-276.8
536	ok	0.15	9.92e-02	1.52e-02	7.7	7.7	5.1	5.1	-24.0	-32.8	-5.8	-54.9	37.1	-344.0
537	ok	0.15	0.2	1.47e-02	7.7	7.7	5.1	5.1	-10.3	-35.7	10.5	148.4	773.2	-34.6
550	ok	0.15	1.0	5.63e-02	7.7	7.8	5.1	8.0	-89.7	-70.8	62.7	926.9	5427.5	174.9
593	ok	0.15	1.0	4.44e-02	7.7	7.7	5.1	8.1	-38.6	-120.7	15.7	1106.2	5536.2	8.4
594	ok	0.15	0.7	4.53e-02	7.7	7.7	5.1	5.1	-44.7	-124.7	-3.7	464.4	2496.3	-688.2
595	ok	0.15	0.3	4.62e-02	7.7	7.7	5.1	5.1	-45.3	-126.3	-10.7	-194.3	245.7	-941.4
596	ok	0.15	0.5	4.74e-02	7.7	7.7	5.1	5.1	-45.9	-128.0	-15.4	-629.9	-1295.9	-864.9
597	ok	0.15	0.6	4.87e-02	7.7	7.7	5.1	5.1	-44.1	-130.3	-11.1	-917.6	-2213.0	-540.2
598	ok	0.15	0.7	4.95e-02	7.7	7.7	5.1	5.1	-42.1	-132.3	-1.2	-1046.3	-2575.1	-91.6
599	ok	0.15	0.6	5.00e-02	7.7	7.7	5.1	5.1	-42.3	-132.9	14.7	-1002.3	-2417.1	384.1
600	ok	0.15	0.5	5.04e-02	7.7	7.7	5.1	5.1	-46.2	-131.5	26.5	-787.0	-1728.2	776.2
601	ok	0.15	0.3	5.00e-02	7.7	7.7	5.1	5.1	-55.4	-125.6	34.6	-425.7	-452.3	989.6
602	ok	0.15	0.5	4.60e-02	7.7	7.7	5.1	5.1	-73.5	-108.2	32.6	125.6	1509.0	874.1
603	ok	0.15	0.3	2.85e-02	7.7	7.7	5.1	5.1	-51.7	-78.9	6.6	31.2	819.6	141.2
604	ok	0.15	9.85e-02	2.51e-02	7.7	7.7	5.1	5.1	-39.7	-67.8	6.6	-351.7	-162.6	68.4
605	ok	0.15	0.2	2.27e-02	7.7	7.7	5.1	5.1	-37.7	-58.5	8.7	-583.6	-494.0	57.7
606	ok	0.15	0.2	2.57e-02	7.7	7.7	5.1	5.1	-35.3	-62.2	0.7	-605.1	-660.9	4.7
607	ok	0.15	0.2	2.41e-02	7.7	7.7	5.1	5.1	-32.9	-61.1	1.3	-501.4	-585.0	-67.9
608	ok	0.15	0.2	2.34e-02	7.7	7.7	5.1	5.1	-20.6	-63.2	-8.2	-508.9	-494.9	-169.1
609	ok	0.15	0.1	2.52e-02	7.7	7.7	5.1	5.1	-11.8	-69.0	-1.1	-336.9	-253.7	-180.7
610	ok	0.15	9.02e-02	2.75e-02	7.7	7.7	5.1	5.1	-10.5	-78.7	-3.8	-212.8	169.1	-164.7
611	ok	0.15	0.4	2.48e-02	7.7	7.7	5.1	5.1	-35.8	-70.9	3.5	235.1	1512.4	-3.3
624	ok	0.15	1.0	3.58e-02	7.7	7.8	5.1	5.6	-82.8	-87.5	21.2	673.2	3908.4	364.0
679	ok	0.15	1.0	3.61e-02	7.7	7.7	5.1	6.1	-28.2	-98.2	-7.89e-02	836.9	4220.0	-4.4
680	ok	0.15	0.6	3.61e-02	7.7	7.7	5.1	5.1	-35.6	-96.1	-8.8	362.2	1889.6	-738.2
681	ok	0.15	0.3	3.65e-02	7.7	7.7	5.1	5.1	-40.0	-96.0	-9.8	-93.1	185.3	-1025.2
682	ok	0.15	0.4	3.72e-02	7.7	7.7	5.1	5.1	-46.0	-97.7	-13.3	-383.2	-972.8	-926.9
683	ok	0.15	0.5	3.78e-02	7.7	7.7	5.1	5.1	-49.8	-99.7	-8.9	-565.1	-1653.1	-580.2
684	ok	0.15	0.5	3.81e-02	7.7	7.7	5.1	5.1	-51.2	-101.5	3.2	-642.3	-1918.5	-100.9
685	ok	0.15	0.5	3.82e-02	7.7	7.7	5.1	5.1	-52.2	-101.8	10.9	-615.4	-1798.4	404.8
686	ok	0.15	0.4	3.82e-02	7.7	7.7	5.1	5.1	-53.4	-99.9	23.3	-487.3	-1282.6	819.9
687	ok	0.15	0.3	3.75e-02	7.7	7.7	5.1	5.1	-55.9	-95.1	27.3	-262.3	-328.9	1041.1
688	ok	0.15	0.4	3.41e-02	7.7	7.7	5.1	5.1	-62.1	-86.0	20.8	107.3	1118.8	931.7
689	ok	0.15	0.9	2.74e-02	7.7	7.7	5.1	5.1	-67.6	-74.3	6.1	534.1	3107.0	400.8
690	ok	0.15	0.2	2.32e-02	7.7	7.7	5.1	5.1	-45.3	-65.8	3.5	-59.1	642.1	13.1
691	ok	0.15	9.59e-02	2.08e-02	7.7	7.7	5.1	5.1	-38.0	-58.2	-2.2	-383.4	-180.6	-56.6
692	ok	0.15	0.2	1.87e-02	7.7	7.7	5.1	5.1	-37.4	-49.2	0.9	-576.2	-499.1	-52.3
693	ok	0.15	0.2	1.88e-02	7.7	7.7	5.1	5.1	-36.9	-41.9	9.9	-683.5	-480.5	66.0
694	ok	0.15	0.3	3.89e-02	7.7	7.7	5.1	5.1	-60.3	-49.2	41.7	-996.8	-471.3	472.6
695	ok	0.15	0.2	3.65e-02	7.7	7.7	5.1	5.1	7.3	-78.8	-4.0	130.4	-515.4	-82.9
696	ok	0.15	0.1	4.30e-02	7.7	7.7	5.1	5.1	-17.3	-119.8	-20.8	-220.3	-228.8	-273.5
697	ok	0.15	0.1	2.32e-02	7.7	7.7	5.1	5.1	0.4	-60.3	-21.5	-159.4	293.6	70.5
698	ok	0.15	0.4	2.49e-02	7.7	7.7	5.1	5.1	-43.3	-64.0	-11.8	260.8	1577.7	10.5
753	ok	0.15	1.0	3.05e-02	7.7	7.7	5.1	5.1	-17.2	-85.3	13.1	749.7	3850.8	1.8
754	ok	0.15	0.5	3.13e-02	7.7	7.7	5.1	5.1	-27.6	-79.8	-4.8	287.1	1576.0	-766.4
755	ok	0.15	0.3	3.16e-02	7.7	7.7	5.1	5.1	-38.3	-81.2	-12.1	-10.3	159.7	-1047.9
756	ok	0.15	0.4	3.22e-02	7.7	7.7	5.1	5.1	-47.0	-83.1	-12.2	-208.1	-796.8	-948.2
757	ok	0.15	0.5	3.25e-02	7.7	7.7	5.1	5.1	-53.2	-85.3	-7.3	-324.6	-1352.6	-598.4
758	ok	0.15	0.5	3.27e-02	7.7	7.7	5.1	5.1	-56.1	-87.2	1.2	-371.2	-1566.9	-110.9
759	ok	0.15	0.5	3.29e-02	7.7	7.7	5.1	5.1	-57.0	-87.5	13.2	-353.2	-1470.5	414.5
760	ok	0.15	0.4	3.33e-02	7.7	7.7	5.1	5.1	-56.6	-85.8	21.3	-274.5	-1043.1	833.5
761	ok	0.15	0.3	3.29e-02	7.7	7.7	5.1	5.1	-55.8	-81.7	24.0	-128.1	-252.3	1055.7
762	ok	0.15	0.4	2.94e-02	7.7	7.7	5.1	5.1	-54.7	-75.0	16.1	108.1	936.8	945.7
763	ok	0.15	0.8	2.49e-02	7.7	7.7	5.1	5.1	-56.5	-65.7	0.3	451.2	2596.4	403.5
764	ok	0.15	0.2	2.08e-02	7.7	7.7	5.1	5.1	-40.8	-59.0	0.4	-56.4	549.5	-40.8
765	ok	0.15	0.1	1.88e-02	7.7	7.7	5.1	5.1	-37.9	-52.2	-6.0	-338.0	-167.8	-124.2
766	ok	0.15	0.2	1.67e-02	7.7	7.7	5.1	5.1	-39.0	-43.0	-4.7	-510.8	-453.5	-81.2
767	ok	0.15	0.2	2.13e-02	7.7	7.7	5.1	5.1	-61.3	-25.6	12.5	-746.1	-402.0	86.2
768	ok	0.15	0.1	6.14e-03	7.7	7.7	5.1	5.1	-9.2	23.5	-12.7	-555.1	224.5	-105.6

769	ok	0.15	4.37e-02	2.59e-03	7.7	7.7	5.1	5.1	44.2	27.2	16.1	-165.5	16.5	82.4
770	ok	0.15	8.30e-02	2.32e-02	7.7	7.7	5.1	5.1	-52.7	-33.5	25.0	-174.7	139.6	193.7
771	ok	0.15	0.4	2.28e-02	7.7	7.7	5.1	5.1	-43.3	-64.6	4.7	231.5	1471.3	16.0
826	ok	0.15	0.8	2.59e-02	7.7	7.7	5.1	5.1	-16.8	-71.3	14.0	622.9	3173.8	-5.7
827	ok	0.15	0.5	2.59e-02	7.7	7.7	5.1	5.1	-11.2	-72.3	6.1	269.9	1391.1	-770.1
828	ok	0.15	0.3	2.67e-02	7.7	7.7	5.1	5.1	-34.2	-65.7	-9.2	106.9	147.9	-1051.7
829	ok	0.15	0.4	2.71e-02	7.7	7.7	5.1	5.1	-45.6	-68.4	-10.3	9.5	-608.7	-949.0
830	ok	0.15	0.4	2.74e-02	7.7	7.7	5.1	5.1	-54.3	-70.7	-5.4	-35.1	-1036.9	-597.4
831	ok	0.15	0.4	2.76e-02	7.7	7.7	5.1	5.1	-58.5	-73.1	2.6	-48.0	-1198.7	-111.5
832	ok	0.15	0.4	2.82e-02	7.7	7.7	5.1	5.1	-60.4	-74.3	13.4	-38.3	-1131.0	406.6
833	ok	0.15	0.4	2.97e-02	7.7	7.7	5.1	5.1	-57.1	-71.9	19.3	-13.0	-790.8	829.1
834	ok	0.15	0.3	2.90e-02	7.7	7.7	5.1	5.1	-52.6	-68.8	21.0	45.6	-167.3	1051.5
835	ok	0.15	0.4	2.53e-02	7.7	7.7	5.1	5.1	-48.0	-64.2	13.9	174.6	765.7	960.2
836	ok	0.15	0.6	2.25e-02	7.7	7.7	5.1	5.1	-46.7	-58.2	-4.8	382.8	2076.0	390.5
837	ok	0.15	0.2	1.85e-02	7.7	7.7	5.1	5.1	-35.8	-52.0	-5.0	-43.0	435.3	-117.3
838	ok	0.15	0.1	1.79e-02	7.7	7.7	5.1	5.1	-36.4	-45.5	-10.3	-267.4	-146.5	-169.2
839	ok	0.15	0.2	1.62e-02	7.7	7.7	5.1	5.1	-39.6	-37.7	-9.5	-394.9	-386.7	-107.3
840	ok	0.15	0.2	1.59e-02	7.7	7.7	5.1	5.1	-31.6	-30.8	-11.7	-382.0	-393.9	-82.2
841	ok	0.15	0.2	3.36e-02	7.7	7.7	5.1	5.1	-12.4	-93.7	-15.8	-239.3	-696.9	-142.9
842	ok	0.15	0.1	3.14e-02	7.7	7.7	5.1	5.1	1.0	-90.0	2.8	58.5	-347.2	162.9
843	ok	0.15	0.2	4.03e-02	7.7	7.7	5.1	5.1	-67.4	-52.3	52.3	-474.4	-197.7	235.6
844	ok	0.15	8.97e-02	2.19e-02	7.7	7.7	5.1	5.1	-6.3	-51.4	18.6	-87.7	182.6	199.9
845	ok	0.15	0.4	1.95e-02	7.7	7.7	5.1	5.1	-33.5	-52.3	8.1	224.2	1313.9	13.6
900	ok	0.15	0.5	1.47e-02	7.7	7.7	5.1	5.1	-19.4	-34.7	14.1	328.6	1811.7	-17.2
901	ok	0.15	0.3	2.03e-02	7.7	7.7	5.1	5.1	1.2	-55.4	11.7	236.0	768.6	-821.2
902	ok	0.15	0.3	1.76e-02	7.7	7.7	5.1	5.1	-26.7	-38.5	-10.1	422.6	140.0	-985.8
903	ok	0.15	0.3	1.81e-02	7.7	7.7	5.1	5.1	-47.1	-38.2	-8.1	573.8	-210.0	-898.8
904	ok	0.15	0.2	2.02e-02	7.7	7.7	5.1	5.1	-60.7	-48.5	-3.6	772.5	-398.2	-517.1
905	ok	0.15	0.2	2.27e-02	7.7	7.7	5.1	5.1	-65.7	-52.7	6.9	867.3	-451.8	-79.6
906	ok	0.15	0.2	2.47e-02	7.7	7.7	5.1	5.1	-66.4	-53.0	13.1	840.2	-439.5	356.2
907	ok	0.15	0.2	2.50e-02	7.7	7.7	5.1	5.1	-61.5	-50.3	13.7	717.7	-286.7	705.5
908	ok	0.15	0.3	2.27e-02	7.7	7.7	5.1	5.1	-47.3	-45.8	18.1	499.8	31.3	991.8
909	ok	0.15	0.3	1.81e-02	7.7	7.7	5.1	5.1	-31.9	-45.8	10.6	376.2	484.3	909.2
910	ok	0.15	0.4	1.69e-02	7.7	7.7	5.1	5.1	-23.6	-41.9	-8.9	266.3	1050.5	335.0
911	ok	0.15	0.1	1.45e-02	7.7	7.7	5.1	5.1	-21.7	-36.9	-8.7	90.7	270.9	-191.7
912	ok	0.15	9.82e-02	1.65e-02	7.7	7.7	5.1	5.1	-31.6	-30.6	-15.0	-7.3	-55.6	-238.6
913	ok	0.15	0.1	1.68e-02	7.7	7.7	5.1	5.1	-39.8	-26.3	-11.3	-43.2	-179.3	-133.4
914	ok	0.15	0.1	1.64e-02	7.7	7.7	5.1	5.1	-39.9	-35.4	-0.1	45.4	-263.5	34.8
915	ok	0.15	0.1	1.47e-02	7.7	7.7	5.1	5.1	-31.3	-33.1	2.8	73.2	-217.6	178.0
916	ok	0.15	0.1	2.01e-02	7.7	7.7	5.1	5.1	-42.4	-39.7	18.6	-25.4	-188.5	264.7
917	ok	0.15	0.1	1.55e-02	7.7	7.7	5.1	5.1	-27.1	-31.0	16.8	19.9	-73.2	271.0
918	ok	0.15	0.1	1.60e-02	7.7	7.7	5.1	5.1	-21.7	-24.9	14.7	60.9	119.1	301.2
919	ok	0.15	0.2	1.06e-02	7.7	7.7	5.1	5.1	-8.9	-29.3	5.4	171.5	751.0	25.9
1169	ok	0.15	6.03e-02	1.99e-02	7.7	7.7	5.1	5.1	-59.3	20.6	11.6	-207.0	143.1	-15.2
1170	ok	0.15	0.1	3.21e-03	7.7	7.7	5.1	5.1	21.0	49.0	11.6	-12.2	206.2	-355.6
1171	ok	0.15	0.2	1.04e-02	7.7	7.7	5.1	5.1	-23.2	16.4	19.2	1007.3	234.4	-212.0
1172	ok	0.15	0.4	1.92e-02	7.7	7.7	5.1	5.1	-50.0	-21.4	17.5	1939.6	308.6	-135.8
1173	ok	0.15	0.6	2.23e-02	7.7	7.7	5.1	5.1	-61.3	-34.9	14.8	2970.4	517.3	-58.3
1174	ok	0.15	0.6	2.44e-02	7.7	7.7	5.1	5.1	-66.8	-38.6	4.7	3347.1	602.6	-34.3
1175	ok	0.15	0.6	2.41e-02	7.7	7.7	5.1	5.1	-68.0	-46.4	4.9	3012.3	500.2	68.6
1176	ok	0.15	0.5	2.06e-02	7.7	7.7	5.1	5.1	-61.3	-35.3	6.8	2489.4	426.3	191.2
1177	ok	0.15	0.4	1.61e-02	7.7	7.7	5.1	5.1	-48.2	-13.8	-1.2	1796.6	369.1	222.5
1178	ok	0.15	0.2	8.55e-03	7.7	7.7	5.1	5.1	-22.9	3.6	1.4	906.6	265.9	168.2
1179	ok	0.15	5.45e-02	3.75e-03	7.7	7.7	5.1	5.1	8.2	11.4	8.2	201.8	78.6	59.4
1180	ok	0.15	7.15e-02	4.25e-03	7.7	7.7	5.1	5.1	-9.3	4.6	-7.9	303.2	140.7	-18.7
1181	ok	0.15	0.2	1.20e-02	7.7	7.7	5.1	5.1	-30.2	-15.5	-3.3	766.6	149.4	-19.0
1182	ok	0.15	0.2	1.73e-02	7.7	7.7	5.1	5.1	-46.0	-29.2	-4.6	1110.9	197.2	-6.2
1183	ok	0.15	0.2	1.75e-02	7.7	7.7	5.1	5.1	-52.1	-28.5	-1.9	1172.9	218.9	11.5
1184	ok	0.15	0.2	1.55e-02	7.7	7.7	5.1	5.1	-47.6	-20.4	0.4	1060.3	207.4	23.3
1185	ok	0.15	0.2	1.31e-02	7.7	7.7	5.1	5.1	-39.8	-16.5	2.1	919.4	174.6	31.3
1186	ok	0.15	0.2	1.09e-02	7.7	7.7	5.1	5.1	-32.6	-6.4	-4.3	745.1	163.0	27.2
1187	ok	0.15	0.1	6.37e-03	7.7	7.7	5.1	5.1	-18.3	1.1	-4.9	474.5	128.9	28.9
1188	ok	0.15	2.49e-02	2.71e-03	7.7	7.7	5.1	5.1	18.2	15.0	-9.3	119.7	32.9	-3.3

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
								-156.79	-439.73	-117.65	-2935.45	-5215.27	-1876.26
	0.19	0.99	0.16	10.62	11.46	5.13	12.48	113.27	49.03	125.75	7417.05	8411.76	1792.82

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
134	ok	2.72						
135	ok Av	5.53	0.06	0.21	1.9	6.0	27.3	87.6
136	ok Av	8.09	0.18	0.27	5.2	7.8	76.1	113.4
137	ok Av	10.17	0.33	0.23	9.5	6.7	139.5	97.8
138	ok Av	11.49	0.42	0.16	12.2	4.6	178.9	67.4
139	ok Av	11.85	0.46	0.07	13.3	2.1	194.4	30.9
140	ok Av	11.77	0.44	0.13	12.8	3.9	187.4	56.8
141	ok Av	10.83	0.37	0.22	10.7	6.3	155.9	91.8

142	ok Av	8.93	0.23	0.27	6.6	7.9	96.6	115.8
143	ok Av	6.13	0.03	0.24	0.9	6.9	13.1	100.9
144	ok	3.01						
179	ok Av	5.55	0.15	0.15	4.5	4.4	65.6	64.8
180	ok Av	7.15	0.18	0.26	5.4	7.5	78.4	109.0
181	ok Av	7.42	0.21	0.21	6.1	6.0	88.7	87.6
182	ok Av	8.90	0.31	0.17	8.9	4.9	130.7	71.0
183	ok Av	10.21	0.37	0.15	10.8	4.4	157.8	63.9
184	ok Av	10.87	0.40	0.15	11.6	4.2	169.5	61.7
185	ok Av	10.57	0.39	0.15	11.2	4.3	164.4	62.1
186	ok Av	9.46	0.33	0.16	9.7	4.7	142.2	69.1
187	ok Av	8.04	0.25	0.20	7.1	5.9	104.2	85.9
188	ok Av	8.29	0.19	0.26	5.7	7.7	82.7	112.0
189	ok Av	7.20	0.24	0.15	6.9	4.3	101.3	63.5
224	ok Av	9.98	0.12	0.37	3.4	10.8	50.4	158.0
225	ok Av	10.14	0.20	0.34	5.8	9.9	85.4	145.1
226	ok Av	6.32	0.08	0.23	2.4	6.8	35.8	98.9
227	ok Av	6.25	0.17	0.18	5.0	5.1	72.7	74.9
228	ok Av	5.68	0.19	0.11	5.6	3.2	82.0	47.0
229	ok Av	6.01	0.22	0.07	6.5	2.1	94.8	31.2
230	ok Av	6.02	0.22	0.09	6.3	2.7	91.9	39.9
231	ok Av	6.09	0.19	0.15	5.4	4.3	79.6	63.1
232	ok Av	6.71	0.14	0.23	4.1	6.8	59.5	99.5
233	ok Av	9.32	0.15	0.34	4.5	9.9	65.6	145.2
234	ok Av	11.17	0.24	0.36	7.0	10.6	102.9	154.7
235	ok Av	28.82	1.00	0.73	33.2	21.1	444.6	308.0
236	ok Av	18.27	0.70	0.50	20.3	14.6	297.2	212.8
271	ok Av	11.36	0.02	0.44	0.6	12.9	8.4	188.6
272	ok Av	11.82	0.18	0.43	5.2	12.4	75.9	181.0
273	ok Av	10.28	0.33	0.22	9.7	6.5	141.8	94.9
274	ok	3.41						
275	ok	3.83						
276	ok	5.15						
277	ok Av	7.45	0.09	0.28	2.7	8.2	38.9	119.3
278	ok Av	10.44	0.16	0.40	4.5	11.5	66.4	168.1
279	ok Av	11.71	0.15	0.43	4.4	12.6	64.0	183.5
314	ok Av	10.59	0.03	0.41	1.0	12.0	14.4	175.4
315	ok Av	13.28	0.31	0.41	9.2	12.0	134.0	175.0
316	ok Av	12.73	0.42	0.27	12.2	7.8	178.3	113.4
317	ok	3.09						
318	ok	3.95						
319	ok Av	5.80	0.10	0.20	3.0	5.9	43.4	85.9
320	ok Av	7.91	0.10	0.29	3.1	8.5	44.6	123.6
321	ok Av	10.25	0.13	0.38	3.9	11.0	57.1	160.8
322	ok Av	10.33	0.04	0.40	1.3	11.7	19.0	170.3
323	ok Av	27.35	1.00	0.57	33.5	16.5	448.0	241.0
324	ok Av	23.30	0.91	0.49	26.4	14.2	386.2	208.1
457	ok Av	9.99	0.03	0.39	0.9	11.3	13.2	165.8
458	ok Av	9.89	0.13	0.38	3.9	11.1	56.3	162.9
459	ok Av	8.07	0.02	0.31	0.7	9.1	10.5	133.6
460	ok Av	6.35	0.08	0.24	2.3	6.8	33.4	100.0
461	ok	4.94						
462	ok	3.04						
463	ok	3.75						
464	ok Av	5.40	0.08	0.20	2.2	5.7	32.7	83.5
465	ok Av	7.40	0.07	0.28	2.0	8.2	29.3	119.4
466	ok Av	9.85	0.14	0.36	4.2	10.4	61.3	152.1
467	ok Av	13.72	0.19	0.50	5.6	14.6	81.4	212.9
468	ok	5.34						
469	ok	2.53						
470	ok	3.50						
471	ok	3.76						
472	ok	3.50						
473	ok	3.19						
474	ok	2.97						
475	ok	1.84						
476	ok	0.58						
519	ok Av	9.20	0.06	0.36	1.7	10.4	25.3	151.9
520	ok Av	8.77	0.12	0.34	3.4	9.8	49.1	143.3
521	ok Av	6.84	0.05	0.26	1.5	7.6	21.3	111.6
522	ok	5.30						
523	ok	3.99						
524	ok	3.07						
525	ok	3.57						
526	ok	4.76						
527	ok Av	6.31	0.07	0.24	2.0	6.9	29.7	100.7
528	ok Av	9.96	0.14	0.36	4.2	10.5	61.7	153.4
529	ok Av	7.21	0.11	0.26	3.1	7.6	45.1	111.2
530	ok	3.62						

531	ok	3.56						
532	ok	3.86						
533	ok	3.31						
534	ok	2.95						
535	ok	2.66						
536	ok	3.09						
537	ok	1.58						
550	ok Av	6.88	0.07	0.26	1.9	7.6	27.9	110.9
593	ok Av	7.15	0.09	0.27	2.5	7.9	36.1	115.1
594	ok Av	7.06	0.12	0.28	3.4	8.0	49.8	117.2
595	ok Av	5.65	0.03	0.22	0.9	6.4	13.1	93.0
596	ok	4.44						
597	ok	3.54						
598	ok	2.91						
599	ok	3.27						
600	ok	4.04						
601	ok	5.06						
602	ok Av	6.24	0.09	0.24	2.7	6.9	38.8	100.6
603	ok	4.25						
604	ok	2.88						
605	ok	1.92						
606	ok	1.87						
607	ok	1.70						
608	ok	1.76						
609	ok	1.91						
610	ok	3.35						
611	ok	3.27						
624	ok Av	5.79	0.06	0.22	1.8	6.4	25.6	93.0
679	ok Av	6.00	0.09	0.22	2.6	6.5	38.0	94.4
680	ok Av	5.64	0.10	0.22	2.8	6.3	41.2	92.7
681	ok	4.41						
682	ok	3.50						
683	ok	3.02						
684	ok	2.73						
685	ok	2.92						
686	ok	3.27						
687	ok	3.93						
688	ok	4.81						
689	ok	5.16						
690	ok	3.62						
691	ok	2.56						
692	ok	1.69						
693	ok	2.18						
694	ok	1.86						
695	ok	2.35						
696	ok	4.52						
697	ok	3.08						
698	ok	3.43						
753	ok	5.20						
754	ok	4.82						
755	ok	3.32						
756	ok	2.67						
757	ok	2.66						
758	ok	2.70						
759	ok	2.71						
760	ok	2.66						
761	ok	2.96						
762	ok	3.86						
763	ok	4.34						
764	ok	2.94						
765	ok	1.90						
766	ok	1.25						
767	ok	1.59						
768	ok	1.02						
769	ok	1.89						
770	ok	2.50						
771	ok	3.04						
826	ok	4.50						
827	ok	4.38						
828	ok	2.96						
829	ok	2.49						
830	ok	2.88						
831	ok	3.11						
832	ok	3.04						
833	ok	2.73						
834	ok	2.58						
835	ok	3.44						
836	ok	3.67						
837	ok	2.85						

838	ok	1.88
839	ok	1.42
840	ok	1.44
841	ok	3.49
842	ok	2.78
843	ok	2.56
844	ok	2.51
845	ok	2.69
900	ok	3.07
901	ok	3.45
902	ok	2.93
903	ok	2.66
904	ok	3.39
905	ok	3.78
906	ok	3.67
907	ok	3.31
908	ok	2.97
909	ok	2.63
910	ok	2.26
911	ok	2.02
912	ok	1.85
913	ok	1.90
914	ok	2.01
915	ok	1.80
916	ok	1.63
917	ok	1.64
918	ok	1.98
919	ok	1.72
1169	ok	2.53
1170	ok	3.58
1171	ok	3.86
1172	ok	3.75
1173	ok	4.50
1174	ok	5.00
1175	ok	4.25
1176	ok	4.25
1177	ok	4.21
1178	ok	3.30
1179	ok	1.73
1180	ok	0.90
1181	ok	1.40
1182	ok	2.00
1183	ok	2.18
1184	ok	1.92
1185	ok	1.70
1186	ok	1.46
1187	ok	1.24
1188	ok	0.84

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	28.82	1.00	0.73	33.52	21.08	447.99	308.04

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
7	200.00	20.00	50.00	50.00	310.00	62.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-250.0	10d14	14/20	14/30	0.03	3.60e-03	0.03	3.07e-03	0.04	0.03	0.0	1.130e+05	2219.63
-218.0	10d14	14/20	14/30	0.03	3.20e-03	0.03	3.19e-03	0.04	0.02	0.0	1.130e+05	2093.98
-205.0	8d14	14/20	14/30	0.03	3.08e-03	0.03	2.21e-03	0.04	0.03	0.0	1.130e+05	2062.90
-176.0	0d0	14/20	14/30	0.03	3.69e-03	0.01	4.70e-03	0.05	0.0	0.0	1.033e+05	2003.51
-170.0	0d0	14/20	14/30	0.02	2.19e-03	7.63e-03	2.44e-03	0.03	0.0	0.0	1.008e+05	1961.50
-148.0	0d0	14/20	14/30	0.02	2.87e-03	8.95e-03	1.95e-03	0.04	0.0	0.0	9.188e+04	1807.48
-134.0	0d0	14/20	14/30	0.02	2.47e-03	8.13e-03	2.01e-03	0.04	0.0	0.0	8.619e+04	1709.47
-120.0	0d0	14/20	14/30	0.02	2.09e-03	7.48e-03	1.77e-03	0.03	0.0	0.0	8.049e+04	1611.45
-92.0	0d0	14/20	14/30	0.02	1.29e-03	6.63e-03	1.25e-03	0.03	0.0	0.0	6.909e+04	1415.42
-50.0	0d0	14/20	14/30	0.02	5.14e-04	5.49e-03	1.09e-03	0.03	0.0	0.0	5.200e+04	1121.38

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.03	3.69e-03	0.03	4.70e-03	0.05	0.03

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-250.0	-1.253e+04	-1.096e+04	1.130e+05	-1.096e+04	2219.63	-8140.65	4.224e+04	301.79	-1.096e+04	1.130e+05	2219.63
-218.0	-1.198e+04	-9416.09	1.000e+05	-1.061e+04	2093.98	-8004.85	3.534e+04	313.82	-1.061e+04	1.001e+05	2093.98
-205.0	-1.202e+04	-9437.36	7.258e+04	-9443.76	2062.90	-8048.58	6670.65	192.14	-9443.76	5.523e+04	2062.90
-176.0	-1.119e+04	-9150.33	7.078e+04	-9140.05	2052.13	-8050.12	1.447e+04	412.16	0.0	0.0	0.0
-170.0	-9772.82	-8905.57	5.433e+04	-8202.90	1559.42	-7414.15	1.479e+04	240.95	0.0	0.0	0.0
-148.0	-1.020e+04	-9298.68	7.154e+04	-9312.15	1832.02	-7641.33	3.393e+04	193.34	0.0	0.0	0.0
-134.0	-9660.80	-8323.45	6.120e+04	-8947.12	1663.25	-7612.01	3.228e+04	198.42	0.0	0.0	0.0
-120.0	-9256.56	-8133.93	5.170e+04	-8658.39	1530.03	-7539.10	2.861e+04	175.25	0.0	0.0	0.0
-92.0	-8674.78	-7824.97	3.195e+04	-8236.57	1355.50	-7375.03	1.481e+04	123.36	0.0	0.0	0.0
-50.0	-7853.89	-7393.80	1.269e+04	-7612.79	1121.38	-7147.36	3133.68	107.41	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-250.0	1.00	2219.63	8.150e+04	1.00	9.835e+04	8.127e+04	5.722e+04	3288.12	1.0	32.8	0.0	2.526e+04
-218.0	1.00	2093.98	8.147e+04	1.00	9.835e+04	8.126e+04	5.722e+04	3288.12	1.0	32.8	0.0	2.515e+04
-205.0	1.00	2062.90	7.216e+04	1.00	8.710e+04	7.205e+04	4.819e+04	3288.12	1.0	32.8	0.0	2.101e+04
-176.0	1.00	2052.13	1.816e+05	1.00	8.770e+04	1.814e+05	0.0	0.0	0.0	0.0	0.0	0.0
-170.0	1.00	1559.42	2.044e+05	1.00	9.895e+04	2.043e+05	0.0	0.0	0.0	0.0	0.0	0.0
-148.0	1.00	1832.02	2.047e+05	1.00	9.895e+04	2.043e+05	0.0	0.0	0.0	0.0	0.0	0.0
-134.0	1.00	1663.25	2.046e+05	1.00	9.895e+04	2.043e+05	0.0	0.0	0.0	0.0	0.0	0.0
-120.0	1.00	1530.03	2.045e+05	1.00	9.895e+04	2.043e+05	0.0	0.0	0.0	0.0	0.0	0.0
-92.0	1.00	1355.50	2.044e+05	1.00	9.895e+04	2.043e+05	0.0	0.0	0.0	0.0	0.0	0.0
-50.0	1.00	1121.38	2.043e+05	1.00	9.895e+04	2.042e+05	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-250.0	0.04	-9650.59	1.123e+05	2157.87	0.17	3.539e+04	1.567e+04	0.0	5.13e-03	7.70e-03	0.0
-218.0	0.04	-9416.09	1.000e+05	2054.85	0.17	3.516e+04	1.567e+04	0.0	5.13e-03	7.70e-03	0.0
-205.0	0.04	-9443.76	5.523e+04	2062.90	0.18	3.161e+04	1.481e+04	0.0	5.13e-03	7.70e-03	0.0
-176.0	0.05	-9140.05	6.685e+04	2052.13	0.17	2.888e+04	1.390e+04	0.0	5.13e-03	7.70e-03	0.0
-170.0	0.03	-8202.90	4.284e+04	1559.42	0.17	3.033e+04	1.567e+04	0.0	5.13e-03	7.70e-03	0.0
-148.0	0.04	-8546.06	6.059e+04	1791.13	0.17	3.067e+04	1.567e+04	0.0	5.13e-03	7.70e-03	0.0
-134.0	0.04	-8333.38	5.252e+04	1637.84	0.17	3.046e+04	1.567e+04	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.03	-8144.06	4.427e+04	1514.27	0.17	3.027e+04	1.567e+04	0.0	5.13e-03	7.70e-03	0.0
-92.0	0.03	-8236.57	2.675e+04	1355.50	0.16	3.036e+04	1.534e+04	0.0	5.13e-03	7.70e-03	0.0
-50.0	0.03	-7612.79	1.202e+04	1121.38	0.15	2.974e+04	1.440e+04	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.05	0.0

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
344	ok	0.17	3.52e-02	4.24e-04	12.4	12.4	5.1	5.1	18.6	15.5	14.6	207.6	116.7	-0.2
355	ok	0.17	0.1	1.35e-02	12.4	12.4	5.1	5.1	-38.8	-12.7	-14.0	701.7	201.9	-81.7
366	ok	0.17	0.2	1.68e-02	12.4	12.4	5.1	5.1	-52.1	-32.4	-9.5	1407.9	260.5	-60.0
377	ok	0.15	0.4	2.30e-02	7.7	7.7	5.1	5.1	-67.3	-50.5	4.6	1946.9	376.6	-28.6
388	ok	0.15	0.4	2.65e-02	7.7	7.7	5.1	5.1	-63.1	-49.0	10.9	2066.4	404.9	35.7
399	ok	0.15	0.4	3.37e-02	7.7	7.7	5.1	5.1	-79.4	-87.1	-15.3	2133.6	400.3	-8.4
410	ok	0.15	0.4	2.68e-02	7.7	7.7	5.1	5.1	-62.4	-57.2	-12.9	2196.2	535.7	-51.2
422	ok	0.15	0.4	2.53e-02	7.7	7.7	5.1	5.1	-71.9	-59.0	8.9	2154.9	374.3	26.9
433	ok	0.15	0.4	2.22e-02	7.7	7.7	5.1	5.1	-63.6	-46.6	6.8	1800.1	323.0	49.4
444	ok	0.17	0.2	1.54e-02	12.4	12.4	5.1	5.1	-49.0	-27.4	8.3	1216.6	232.4	71.4
456	ok	0.17	7.98e-02	1.10e-02	12.4	12.4	5.1	5.1	-32.3	-7.2	11.7	528.2	189.0	72.5
476	ok	0.17	3.56e-02	1.22e-03	12.4	12.4	5.1	5.1	19.5	14.0	-16.9	246.9	115.6	-5.3
496	ok	0.17	0.2	1.84e-02	12.4	12.4	5.1	5.1	-12.6	-37.4	9.7	149.8	753.6	-54.3
499	ok	0.17	9.86e-02	1.74e-02	12.4	12.4	5.1	5.1	-27.2	-34.4	-16.5	25.6	97.2	-354.7
501	ok	0.17	0.1	1.98e-02	12.4	12.4	5.1	5.1	-48.0	-36.7	-10.8	-47.7	-109.1	-365.4
503	ok	0.15	0.1	2.42e-02	7.7	7.7	5.1	5.1	-63.6	-40.4	-11.5	70.8	-129.8	-269.8
505	ok	0.15	0.1	2.88e-02	7.7	7.7	5.1	5.1	-62.7	-47.4	-18.7	331.7	-191.3	-288.9
510	ok	0.15	8.84e-02	2.57e-02	7.7	7.7	5.1	5.1	-71.8	-41.0	8.7	135.0	-116.2	193.4
512	ok	0.15	0.1	2.27e-02	7.7	7.7	5.1	5.1	-58.4	-39.7	10.3	41.9	-137.8	274.5
515	ok	0.17	0.1	1.88e-02	12.4	12.4	5.1	5.1	-44.3	-34.9	9.7	-59.5	-89.8	389.9
518	ok	0.17	0.1	1.63e-02	12.4	12.4	5.1	5.1	-22.2	-33.5	13.0	56.6	235.7	313.6
537	ok	0.17	0.2	1.90e-02	12.4	12.4	5.1	5.1	-7.3	-36.3	-12.8	162.4	713.0	16.5
542	ok	0.15	0.2	5.17e-02	7.7	7.7	5.1	5.1	-127.6	-47.1	-56.3	-198.8	-263.7	-396.4
544	ok	0.15	5.45e-02	2.12e-02	7.7	7.7	5.1	5.1	12.9	-37.2	-8.6	-91.2	-11.2	-86.2
546	ok	0.15	0.2	4.18e-02	7.7	7.7	5.1	5.1	-81.8	-55.6	55.0	-267.5	-413.7	139.4
570	ok	0.15	0.4	2.60e-02	7.7	7.7	5.1	5.1	-38.2	-71.5	11.5	216.2	1496.2	-23.8
573	ok	0.15	0.1	2.19e-02	7.7	7.7	5.1	5.1	-12.3	-60.0	-12.7	-241.7	166.4	-195.7
575	ok	0.15	0.2	1.94e-02	7.7	7.7	5.1	5.1	-41.1	-47.5	-10.3	-573.5	-304.2	-212.5
577	ok	0.15	0.2	2.01e-02	7.7	7.7	5.1	5.1	-59.1	-38.8	-6.9	-864.9	-395.4	-182.1
579	ok	0.15	0.3	3.50e-02	7.7	7.7	5.1	5.1	-106.4	-23.8	-8.9	-1231.4	-227.5	-189.5
584	ok	0.15	0.2	2.32e-02	7.7	7.7	5.1	5.1	-67.2	-29.7	4.2	-1036.3	-345.2	191.0

586	ok	0.15	0.2	1.89e-02	7.7	7.7	5.1	5.1	-52.2	-41.8	6.4	-775.3	-427.2	181.0
589	ok	0.15	0.2	1.94e-02	7.7	7.7	5.1	5.1	-34.8	-49.5	8.6	-501.5	-231.3	172.2
592	ok	0.15	0.2	2.21e-02	7.7	7.7	5.1	5.1	-28.6	-58.8	8.6	-107.6	452.2	139.0
611	ok	0.15	0.4	2.67e-02	7.7	7.7	5.1	5.1	-36.7	-70.0	-17.7	206.8	1512.4	2.8
616	ok	0.15	0.4	3.74e-02	7.7	7.7	5.1	5.1	-90.1	-62.8	26.2	-1161.3	-517.9	531.5
618	ok	0.15	0.2	1.94e-02	7.7	7.7	5.1	5.1	14.2	-55.7	2.3	560.7	-765.8	121.8
620	ok	0.15	0.4	4.27e-02	7.7	7.7	5.1	5.1	-86.3	-68.3	-49.4	-1181.0	-800.0	-738.9
644	ok	0.15	0.4	2.57e-02	7.7	7.7	5.1	5.1	-39.7	-71.9	9.0	235.1	1575.4	10.6
647	ok	0.15	0.1	2.22e-02	7.7	7.7	5.1	5.1	-28.6	-56.3	0.5	-220.0	213.1	58.1
650	ok	0.15	0.1	1.84e-02	7.7	7.7	5.1	5.1	-35.8	-46.2	2.40e-02	-596.2	-309.0	47.8
653	ok	0.15	0.2	1.80e-02	7.7	7.7	5.1	5.1	-50.8	-35.7	0.4	-885.6	-428.7	54.9
655	ok	0.15	0.3	2.37e-02	7.7	7.7	5.1	5.1	-71.7	-40.8	5.3	-1024.6	-490.3	217.0
657	ok	0.15	0.2	2.00e-02	7.7	7.7	5.1	5.1	-34.0	-50.9	10.5	-781.4	-671.7	101.4
660	ok	0.15	0.3	2.59e-02	7.7	7.7	5.1	5.1	-32.9	-66.5	9.0	-790.8	-820.5	135.4
663	ok	0.15	0.2	2.26e-02	7.7	7.7	5.1	5.1	-61.9	-30.2	-14.4	-992.9	-468.5	-155.5
667	ok	0.15	0.2	2.03e-02	7.7	7.7	5.1	5.1	-60.0	-32.1	-0.5	-1016.7	-449.0	-37.3
670	ok	0.15	0.2	1.66e-02	7.7	7.7	5.1	5.1	-46.6	-39.8	-1.7	-799.0	-443.5	-32.4
674	ok	0.15	0.1	1.94e-02	7.7	7.7	5.1	5.1	-32.4	-49.2	-1.1	-495.9	-219.7	-49.5
678	ok	0.15	0.2	2.21e-02	7.7	7.7	5.1	5.1	-27.3	-62.8	-4.5	-48.9	571.9	-35.3
698	ok	0.15	0.4	2.63e-02	7.7	7.7	5.1	5.1	-43.7	-59.9	9.7	217.0	1596.0	3.6
718	ok	0.15	0.4	2.21e-02	7.7	7.7	5.1	5.1	-35.5	-61.8	7.1	218.6	1484.0	25.8
721	ok	0.15	0.1	2.16e-02	7.7	7.7	5.1	5.1	-16.0	-60.0	10.4	-176.4	222.4	155.4
724	ok	0.15	0.1	1.79e-02	7.7	7.7	5.1	5.1	-36.8	-42.7	6.8	-507.0	-278.4	159.5
727	ok	0.15	0.2	1.69e-02	7.7	7.7	5.1	5.1	-49.4	-34.7	6.1	-739.6	-418.9	132.4
730	ok	0.15	0.2	1.90e-02	7.7	7.7	5.1	5.1	-53.0	-32.0	8.3	-819.3	-459.2	113.5
731	ok	0.15	0.2	1.61e-02	7.7	7.7	5.1	5.1	-46.6	-37.5	4.1	-802.5	-506.3	52.7
734	ok	0.15	0.2	1.63e-02	7.7	7.7	5.1	5.1	-48.9	-41.7	2.6	-809.2	-533.1	47.3
737	ok	0.15	0.2	2.07e-02	7.7	7.7	5.1	5.1	-60.5	-29.6	-9.8	-883.0	-433.1	-85.7
742	ok	0.15	0.2	1.95e-02	7.7	7.7	5.1	5.1	-58.0	-31.4	-5.6	-853.1	-440.7	-95.3
745	ok	0.15	0.2	1.62e-02	7.7	7.7	5.1	5.1	-46.3	-37.1	-5.2	-688.3	-406.0	-127.1
748	ok	0.15	0.1	1.85e-02	7.7	7.7	5.1	5.1	-33.3	-45.3	-6.8	-418.2	-188.8	-163.1
752	ok	0.15	0.2	2.21e-02	7.7	7.7	5.1	5.1	-22.9	-61.3	-10.0	-70.3	527.2	-128.7
771	ok	0.15	0.4	2.18e-02	7.7	7.7	5.1	5.1	-43.7	-59.3	-8.8	185.6	1481.5	-17.8
791	ok	0.15	0.4	2.01e-02	7.7	7.7	5.1	5.1	-28.6	-53.6	8.8	210.3	1320.3	41.5
794	ok	0.15	0.1	1.95e-02	7.7	7.7	5.1	5.1	-14.5	-50.4	5.8	-119.1	220.0	264.4
797	ok	0.15	0.2	1.71e-02	7.7	7.7	5.1	5.1	-36.2	-38.3	10.8	-378.7	-232.2	240.3
800	ok	0.15	0.2	1.72e-02	7.7	7.7	5.1	5.1	-46.9	-32.2	7.4	-542.7	-356.1	193.9
803	ok	0.15	0.2	1.86e-02	7.7	7.7	5.1	5.1	-52.9	-32.4	5.4	-623.3	-388.6	116.4
804	ok	0.15	0.2	1.74e-02	7.7	7.7	5.1	5.1	-52.2	-33.7	-0.4	-645.8	-406.0	43.4
807	ok	0.15	0.2	1.73e-02	7.7	7.7	5.1	5.1	-52.5	-34.8	1.8	-652.9	-417.1	28.3
810	ok	0.15	0.2	2.00e-02	7.7	7.7	5.1	5.1	-57.6	-29.7	-6.9	-662.4	-363.1	-71.0
815	ok	0.15	0.2	1.92e-02	7.7	7.7	5.1	5.1	-55.2	-29.6	-6.3	-630.5	-373.4	-136.2
818	ok	0.15	0.2	1.67e-02	7.7	7.7	5.1	5.1	-44.6	-33.3	-7.2	-507.7	-340.2	-204.4
821	ok	0.15	0.1	1.73e-02	7.7	7.7	5.1	5.1	-32.9	-39.8	-11.0	-314.3	-152.6	-247.5
825	ok	0.15	0.2	2.00e-02	7.7	7.7	5.1	5.1	-19.1	-53.4	-13.2	-58.7	469.6	-201.4
845	ok	0.15	0.4	2.07e-02	7.7	7.7	5.1	5.1	-33.9	-52.2	-7.0	193.6	1322.7	-26.7
865	ok	0.15	0.2	1.18e-02	7.7	7.7	5.1	5.1	-17.3	-30.5	-6.6	146.8	822.6	51.6
868	ok	0.15	0.1	1.41e-02	7.7	7.7	5.1	5.1	-21.4	-21.1	10.5	73.0	140.6	372.2
871	ok	0.15	0.1	1.56e-02	7.7	7.7	5.1	5.1	-35.0	-24.6	10.1	17.5	-81.2	351.2
874	ok	0.15	0.1	1.76e-02	7.7	7.7	5.1	5.1	-48.9	-28.2	5.9	42.7	-138.6	232.4
877	ok	0.15	0.1	1.88e-02	7.7	7.7	5.1	5.1	-55.9	-30.5	2.4	58.3	-142.8	133.4
878	ok	0.15	9.10e-02	1.91e-02	7.7	7.7	5.1	5.1	-58.5	-31.4	-1.3	61.7	-147.6	48.9
881	ok	0.15	8.87e-02	1.95e-02	7.7	7.7	5.1	5.1	-59.6	-31.9	2.7	63.6	-146.8	37.8
884	ok	0.15	8.62e-02	1.99e-02	7.7	7.7	5.1	5.1	-59.6	-30.5	-2.2	70.0	-118.1	-66.0
889	ok	0.15	0.1	1.93e-02	7.7	7.7	5.1	5.1	-56.2	-28.1	-4.4	52.1	-136.9	-160.0
892	ok	0.15	0.1	1.72e-02	7.7	7.7	5.1	5.1	-46.9	-26.7	-11.5	33.5	-138.6	-252.5
895	ok	0.15	0.1	1.48e-02	7.7	7.7	5.1	5.1	-31.5	-23.3	-10.4	29.0	-37.8	-365.1
899	ok	0.15	0.1	1.27e-02	7.7	7.7	5.1	5.1	-12.4	-29.1	-7.0	53.3	297.3	-337.7
919	ok	0.15	0.2	1.22e-02	7.7	7.7	5.1	5.1	-15.4	-29.6	10.9	147.5	823.9	-23.5
939	ok	0.15	2.88e-02	3.05e-03	7.7	7.7	5.1	5.1	16.4	12.8	-10.9	139.0	36.5	-2.3
955	ok	0.15	0.1	7.20e-03	7.7	7.7	5.1	5.1	-17.0	1.0	-7.2	518.5	135.5	46.9
975	ok	0.15	0.2	1.27e-02	7.7	7.7	5.1	5.1	-37.1	-15.9	-6.5	1058.1	204.1	44.0
995	ok	0.15	0.3	1.69e-02	7.7	7.7	5.1	5.1	-49.5	-29.6	5.5	1506.3	277.1	35.1
1015	ok	0.15	0.4	1.97e-02	7.7	7.7	5.1	5.1	-56.1	-37.6	5.4	1802.4	333.9	18.1
1028	ok	0.15	0.4	2.08e-02	7.7	7.7	5.1	5.1	-63.8	-40.7	-2.0	1911.6	364.7	2.3
1044	ok	0.15	0.4	2.15e-02	7.7	7.7	5.1	5.1	-65.9	-41.1	1.7	1931.0	372.4	4.2
1064	ok	0.15	0.4	2.03e-02	7.7	7.7	5.1	5.1	-59.8	-39.3	-7.1	1916.7	361.3	-10.9
1094	ok	0.15	0.3	1.88e-02	7.7	7.7	5.1	5.1	-55.4	-34.9	-6.6	1743.2	322.6	-23.0
1114	ok	0.15	0.3	1.58e-02	7.7	7.7	5.1	5.1	-46.8	-24.9	-5.6	1399.7	257.8	-40.5
1134	ok	0.15	0.2	1.11e-02	7.7	7.7	5.1	5.1	-31.9	-9.9	7.1	912.5	185.4	-46.1
1168	ok	0.15	8.10e-02	4.55e-03	7.7	7.7	5.1	5.1	-8.2	5.7	8.5	376.0	117.9	-36.8
1188	ok	0.15	3.55e-02	2.71e-03	7.7	7.7	5.1	5.1	-6.2	9.7	6.1	66.2	71.2	-1.5

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
								-127.57	-87.05	-56.34	-1231.37	-820.45	-738.91
	0.17	0.44	0.05	12.41	12.41	5.13	5.13	19.48	15.45	55.01	2196.16	1596.00	531.55

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
344	ok	0.55						
355	ok	2.21						
366	ok	3.64						
377	ok	4.25						
388	ok Av	5.77	0.23	0.02	6.5	0.5	95.6	7.1
399	ok	4.14						
410	ok	3.91						
422	ok	4.27						
433	ok	4.15						
444	ok	3.28						
456	ok	1.97						
476	ok	0.54						
496	ok	1.77						
499	ok	3.52						
501	ok	3.54						
503	ok	4.90						
505	ok	4.89						
510	ok	4.70						
512	ok	3.96						
515	ok	3.47						
518	ok	3.30						
537	ok	2.18						
542	ok	4.34						
544	ok	2.13						
546	ok Av	5.75	0.18	0.14	5.1	4.1	74.9	59.2
570	ok	3.47						
573	ok	3.52						
575	ok	2.36						
577	ok	1.97						
579	ok	2.55						
584	ok	2.18						
586	ok	1.97						
589	ok	2.66						
592	ok	3.85						
611	ok	3.69						
616	ok	4.53						
618	ok	1.47						
620	ok	3.50						
644	ok	3.67						
647	ok	3.32						
650	ok	2.33						
653	ok	1.70						
655	ok	1.37						
657	ok	3.25						
660	ok	1.49						
663	ok	2.40						
667	ok	1.48						
670	ok	1.90						
674	ok	2.60						
678	ok	3.63						
698	ok	3.80						
718	ok	3.23						
721	ok	2.73						
724	ok	1.80						
727	ok	1.36						
730	ok	1.23						
731	ok	1.12						
734	ok	1.26						
737	ok	1.31						
742	ok	1.30						
745	ok	1.48						
748	ok	2.03						
752	ok	2.92						
771	ok	3.38						
791	ok	2.96						
794	ok	2.57						
797	ok	1.77						
800	ok	1.70						
803	ok	1.85						
804	ok	2.01						
807	ok	2.15						
810	ok	1.89						
815	ok	1.78						
818	ok	1.71						
821	ok	1.95						
825	ok	2.84						
845	ok	3.03						
865	ok	1.90						

868	ok	2.19
871	ok	2.07
874	ok	2.36
877	ok	2.73
878	ok	2.90
881	ok	2.98
884	ok	2.82
889	ok	2.62
892	ok	2.22
895	ok	2.07
899	ok	2.08
919	ok	2.12
939	ok	0.95
955	ok	1.57
975	ok	2.13
995	ok	2.57
1015	ok	2.92
1028	ok	3.04
1044	ok	3.07
1064	ok	2.99
1094	ok	2.82
1114	ok	2.44
1134	ok	1.96
1168	ok	1.45
1188	ok	0.97

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	5.77	0.23	0.14	6.54	4.05	95.59	59.22

Vasca per alloggiamento impianto di derivazione

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	50.00	3	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
1	ok	0.09	4.54e-02	3.56e-03	7.7	7.7	7.7	7.7	1.0	-0.9	-20.1	-173.2	-189.8	-42.3
2	ok	0.09	2.43e-02	6.38e-03	7.7	7.7	7.7	7.7	-18.3	-22.5	-18.3	200.2	-278.8	-82.3
3	ok	0.09	3.49e-02	6.92e-03	7.7	7.7	7.7	7.7	-28.3	-30.0	-17.6	442.5	-360.9	-39.3
4	ok	0.09	3.51e-02	6.92e-03	7.7	7.7	7.7	7.7	-28.3	-30.0	17.6	444.4	-361.5	38.7
5	ok	0.09	2.44e-02	6.38e-03	7.7	7.7	7.7	7.7	-18.4	-22.5	18.3	204.2	-279.8	82.6
6	ok	0.09	4.54e-02	3.54e-03	7.7	7.7	7.7	7.7	-0.6	-0.6	22.7	-171.1	-171.0	45.1
7	ok	0.09	2.44e-02	6.38e-03	7.7	7.7	7.7	7.7	-22.5	-18.4	-18.3	-279.8	201.7	-81.6
8	ok	0.09	5.94e-02	5.38e-03	7.7	7.7	7.7	7.7	-20.4	-20.4	-4.1	493.8	495.6	-309.7
9	ok	0.09	5.94e-02	5.19e-03	7.7	7.7	7.7	7.7	-21.9	-28.1	-4.9	714.9	647.5	-117.1
10	ok	0.09	5.94e-02	5.19e-03	7.7	7.7	7.7	7.7	-21.9	-28.1	4.9	717.3	649.1	114.8
11	ok	0.09	5.97e-02	5.38e-03	7.7	7.7	7.7	7.7	-20.4	-20.4	4.1	499.8	499.8	309.6
12	ok	0.09	2.44e-02	6.38e-03	7.7	7.7	7.7	7.7	-22.5	-18.4	18.3	-279.9	204.2	82.6
13	ok	0.09	3.49e-02	6.92e-03	7.7	7.7	7.7	7.7	-30.0	-28.3	-17.6	-361.5	441.5	-37.8
14	ok	0.09	5.90e-02	5.19e-03	7.7	7.7	7.7	7.7	-28.1	-21.9	-4.9	641.4	713.1	-114.5
15	ok	0.09	7.34e-02	4.02e-03	7.7	7.7	7.7	7.7	-25.2	-25.2	8.38e-02	953.8	955.5	-43.4
16	ok	0.09	7.36e-02	4.02e-03	7.7	7.7	7.7	7.7	-25.2	-25.2	-8.99e-02	957.3	957.3	42.8
17	ok	0.09	5.94e-02	5.19e-03	7.7	7.7	7.7	7.7	-28.1	-21.9	4.9	649.0	717.3	114.8
18	ok	0.09	3.51e-02	6.92e-03	7.7	7.7	7.7	7.7	-30.0	-28.3	17.6	-361.5	444.4	38.7
19	ok	0.09	3.47e-02	6.92e-03	7.7	7.7	7.7	7.7	-30.0	-28.3	17.6	-360.8	439.5	38.5
20	ok	0.09	5.90e-02	5.19e-03	7.7	7.7	7.7	7.7	-28.1	-21.9	4.9	639.6	710.6	117.4
21	ok	0.09	7.33e-02	4.02e-03	7.7	7.7	7.7	7.7	-25.2	-25.2	-8.52e-02	951.8	951.8	44.5
22	ok	0.09	7.34e-02	4.02e-03	7.7	7.7	7.7	7.7	-25.2	-25.2	8.37e-02	955.3	953.6	-43.4
23	ok	0.09	5.94e-02	5.19e-03	7.7	7.7	7.7	7.7	-28.1	-21.9	-4.9	647.3	714.7	-117.2
24	ok	0.09	3.49e-02	6.92e-03	7.7	7.7	7.7	7.7	-30.0	-28.3	-17.6	-360.8	442.3	-39.3
25	ok	0.09	2.43e-02	6.38e-03	7.7	7.7	7.7	7.7	-22.5	-18.4	18.3	-278.7	197.6	81.4
26	ok	0.09	5.90e-02	5.38e-03	7.7	7.7	7.7	7.7	-20.5	-20.5	4.1	489.4	489.3	310.2
27	ok	0.09	5.90e-02	5.19e-03	7.7	7.7	7.7	7.7	-21.9	-28.1	4.9	710.5	639.5	117.3
28	ok	0.09	5.90e-02	5.19e-03	7.7	7.7	7.7	7.7	-21.9	-28.1	-4.9	713.0	641.1	-114.6
29	ok	0.09	5.93e-02	5.38e-03	7.7	7.7	7.7	7.7	-20.4	-20.4	-4.1	495.4	493.5	-309.7
30	ok	0.09	2.43e-02	6.38e-03	7.7	7.7	7.7	7.7	-22.5	-18.3	-18.3	-278.8	200.1	-82.3
31	ok	0.09	4.53e-02	3.58e-03	7.7	7.7	7.7	7.7	-0.8	-0.8	22.8	-170.2	-170.2	42.6
32	ok	0.09	2.43e-02	6.38e-03	7.7	7.7	7.7	7.7	-18.4	-22.5	18.3	197.6	-278.7	81.4
33	ok	0.09	3.47e-02	6.92e-03	7.7	7.7	7.7	7.7	-28.3	-30.0	17.6	439.5	-360.8	38.5
34	ok	0.09	3.49e-02	6.92e-03	7.7	7.7	7.7	7.7	-28.3	-30.0	-17.6	441.4	-361.5	-37.8
35	ok	0.09	2.44e-02	6.38e-03	7.7	7.7	7.7	7.7	-18.4	-22.5	-18.3	201.6	-279.7	-81.5

36	ok	0.09	4.54e-02	3.56e-03	7.7	7.7	7.7	7.7	-0.7	-0.7	-22.7	-170.2	-171.1	-43.8

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
								-29.98	-29.98	-22.73	-361.49	-361.48	-309.68
	0.09	0.07	6.92e-03	7.70	7.70	7.70	7.70	1.01	-0.62	22.77	957.28	957.31	310.15

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
1	ok	0.23						
2	ok	0.59						
3	ok	0.84						
4	ok	0.83						
5	ok	0.59						
6	ok	0.23						
7	ok	0.58						
8	ok	1.26						
9	ok	1.11						
10	ok	1.11						
11	ok	1.27						
12	ok	0.58						
13	ok	0.83						
14	ok	1.10						
15	ok	0.74						
16	ok	0.74						
17	ok	1.11						
18	ok	0.83						
19	ok	0.83						
20	ok	1.10						
21	ok	0.75						
22	ok	0.74						
23	ok	1.11						
24	ok	0.84						
25	ok	0.58						
26	ok	1.25						
27	ok	1.10						
28	ok	1.10						
29	ok	1.26						
30	ok	0.59						
31	ok	0.23						
32	ok	0.58						
33	ok	0.83						
34	ok	0.83						
35	ok	0.58						
36	ok	0.23						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	1.27						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
6	20.00	3	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
77	ok	0.28	4.06e-03	0.0	7.7	7.7	7.7	7.7	3.6	3.6	-2.8	9.3	9.4	9.9
78	ok	0.28	2.40e-02	1.72e-02	7.7	7.7	7.7	7.7	-18.1	-36.2	4.1	-5.4	28.9	23.8
79	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-26.4	-53.9	12.5	-9.8	23.2	10.6
80	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-26.4	-53.9	-12.4	-9.6	23.2	-10.5
81	ok	0.28	2.40e-02	1.71e-02	7.7	7.7	7.7	7.7	-18.1	-36.2	-4.1	-5.7	28.7	-23.7
82	ok	0.28	4.03e-03	0.0	7.7	7.7	7.7	7.7	3.7	3.7	2.8	9.2	9.2	-9.9
83	ok	0.28	2.40e-02	1.72e-02	7.7	7.7	7.7	7.7	-36.2	-18.2	4.1	28.5	-5.8	23.7
84	ok	0.28	3.58e-02	1.60e-02	7.7	7.7	7.7	7.7	-26.4	-26.4	13.1	-41.1	-41.2	56.7
85	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-23.5	-41.5	3.1	-50.2	-61.8	19.4
86	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-23.5	-41.5	-3.1	-50.3	-61.8	-19.5
87	ok	0.28	3.57e-02	1.60e-02	7.7	7.7	7.7	7.7	-26.4	-26.4	-13.1	-41.2	-41.2	-56.7
88	ok	0.28	2.40e-02	1.71e-02	7.7	7.7	7.7	7.7	-35.5	-16.7	-4.9	26.8	-6.6	-24.3
89	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-53.3	-24.6	12.7	21.8	-8.9	10.8
90	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-41.5	-23.5	3.1	-61.9	-50.4	19.5
91	ok	0.28	3.22e-02	1.19e-02	7.7	7.7	7.7	7.7	-32.3	-32.3	2.3	-82.1	-82.1	6.0
92	ok	0.28	3.22e-02	1.19e-02	7.7	7.7	7.7	7.7	-32.3	-32.3	-2.3	-82.1	-82.1	-6.1
93	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-41.5	-23.5	-3.1	-61.8	-50.4	-19.5
94	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-53.3	-24.5	-12.7	22.1	-8.7	-10.8
95	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-53.9	-26.5	-12.5	22.9	-9.9	-10.6

96	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-41.5	-23.6	-3.1	-61.9	-50.3	-19.4
97	ok	0.28	3.22e-02	1.19e-02	7.7	7.7	7.7	7.7	-32.3	-32.3	-2.3	-82.1	-82.1	-6.0
98	ok	0.28	3.22e-02	1.19e-02	7.7	7.7	7.7	7.7	-32.3	-32.3	2.3	-82.1	-82.1	6.0
99	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-41.5	-23.5	3.1	-61.8	-50.2	19.4
100	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-53.3	-24.5	12.8	22.2	-9.0	10.9
101	ok	0.28	2.41e-02	1.72e-02	7.7	7.7	7.7	7.7	-35.5	-16.8	-4.9	26.9	-6.4	-24.5
102	ok	0.28	3.57e-02	1.60e-02	7.7	7.7	7.7	7.7	-26.4	-26.4	-13.1	-41.1	-41.1	-56.6
103	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-23.6	-41.5	-3.1	-50.3	-61.9	-19.4
104	ok	0.28	3.29e-02	1.52e-02	7.7	7.7	7.7	7.7	-23.6	-41.5	3.1	-50.4	-61.9	19.5
105	ok	0.28	3.58e-02	1.60e-02	7.7	7.7	7.7	7.7	-26.4	-26.4	13.1	-41.2	-41.1	56.7
106	ok	0.28	2.40e-02	1.72e-02	7.7	7.7	7.7	7.7	-35.5	-16.7	4.9	27.1	-6.3	24.5
107	ok	0.28	4.10e-03	0.0	7.7	7.7	7.7	7.7	4.8	4.8	1.6	7.0	7.0	-10.0
108	ok	0.28	2.41e-02	1.72e-02	7.7	7.7	7.7	7.7	-16.8	-35.5	-4.9	-6.4	26.9	-24.5
109	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-24.6	-53.3	-12.7	-9.1	21.8	-10.9
110	ok	0.28	2.62e-02	1.91e-02	7.7	7.7	7.7	7.7	-24.6	-53.3	12.7	-8.9	21.8	10.8
111	ok	0.28	2.40e-02	1.72e-02	7.7	7.7	7.7	7.7	-16.8	-35.5	4.9	-6.6	26.7	24.4
112	ok	0.28	4.06e-03	0.0	7.7	7.7	7.7	7.7	4.8	4.8	-1.6	7.0	6.9	9.9

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
								-53.93	-53.92	-13.07	-82.10	-82.10	-56.74
	0.28	0.04	0.02	7.70	7.70	7.70	7.70	4.83	4.85	13.10	28.47	28.89	56.70

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
77	ok	0.29						
78	ok	0.39						
79	ok	0.33						
80	ok	0.33						
81	ok	0.39						
82	ok	0.29						
83	ok	0.39						
84	ok	0.56						
85	ok	0.37						
86	ok	0.37						
87	ok	0.56						
88	ok	0.39						
89	ok	0.33						
90	ok	0.37						
91	ok	0.23						
92	ok	0.23						
93	ok	0.37						
94	ok	0.33						
95	ok	0.33						
96	ok	0.37						
97	ok	0.23						
98	ok	0.23						
99	ok	0.37						
100	ok	0.33						
101	ok	0.39						
102	ok	0.55						
103	ok	0.37						
104	ok	0.37						
105	ok	0.56						
106	ok	0.39						
107	ok	0.29						
108	ok	0.39						
109	ok	0.33						
110	ok	0.33						
111	ok	0.39						
112	ok	0.29						

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	0.56						

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
7	30.00	3	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
253	ok	0.16	2.17e-02	1.63e-04	7.7	7.7	7.7	7.7	0.7	3.00e-02	-5.25e-02	128.0	112.9	47.4
254	ok	0.16	3.26e-02	1.18e-03	7.7	7.7	7.7	7.7	-1.2	-3.8	1.2	-18.2	211.5	94.9
255	ok	0.16	4.73e-02	2.40e-03	7.7	7.7	7.7	7.7	-9.3	-9.8	0.2	-82.1	348.4	36.5

256	ok	0.16	4.68e-02	2.46e-03	7.7	7.7	7.7	7.7	-8.7	-9.8	-1.2	-78.6	344.7	-36.9
257	ok	0.16	3.47e-02	1.22e-03	7.7	7.7	7.7	7.7	-2.6	-4.2	-0.9	7.7	234.4	-85.1
258	ok	0.16	1.89e-02	7.29e-05	7.7	7.7	7.7	7.7	0.5	0.5	6.91e-02	114.5	114.5	-31.9
259	ok	0.16	3.63e-02	1.28e-03	7.7	7.7	7.7	7.7	-4.5	-1.7	0.7	238.2	-58.4	43.7
260	ok	0.16	4.91e-02	2.31e-03	7.7	7.7	7.7	7.7	-2.5	-6.3	2.5	120.3	-139.4	227.3
261	ok	0.16	6.41e-02	3.09e-03	7.7	7.7	7.7	7.7	-7.3	-5.9	4.9	-174.7	-69.1	349.4
262	ok	0.16	4.47e-02	1.87e-03	7.7	7.7	7.7	7.7	-7.0	-5.4	1.7	-315.3	175.3	100.3
263	ok	0.16	6.99e-02	2.73e-03	7.7	7.7	7.7	7.7	-8.3	-6.9	-4.1	-409.0	-3.1	-249.1
264	ok	0.16	5.69e-02	2.76e-03	7.7	7.7	7.7	7.7	-6.6	-7.9	-4.6	-209.6	-115.8	-257.7
265	ok	0.16	5.29e-02	2.29e-03	7.7	7.7	7.7	7.7	-6.1	-6.1	-3.0	-144.7	-144.0	-207.8
266	ok	0.16	3.47e-02	1.22e-03	7.7	7.7	7.7	7.7	-4.2	-2.6	-0.9	234.5	7.8	-85.2
267	ok	0.16	7.76e-02	5.37e-03	7.7	7.7	7.7	7.7	-15.5	-8.0	7.2	-275.6	-277.0	302.4
268	ok	0.16	2.51e-02	2.88e-03	7.7	7.7	7.7	7.7	-10.1	-1.5	1.9	-150.9	108.9	57.2
269	ok	0.16	3.97e-02	1.30e-03	7.7	7.7	7.7	7.7	-5.3	-4.0	0.5	-297.1	142.5	30.8
270	ok	0.16	4.02e-02	1.65e-03	7.7	7.7	7.7	7.7	-6.2	-2.1	-0.6	-233.8	210.3	38.1
271	ok	0.16	0.1	4.12e-03	7.7	7.7	7.7	7.7	-13.2	-8.4	-6.5	-659.1	-345.8	-362.2
272	ok	0.16	5.70e-02	2.76e-03	7.7	7.7	7.7	7.7	-8.0	-6.5	-4.6	-116.2	-209.0	-258.3
273	ok	0.16	4.37e-02	3.50e-03	7.7	7.7	7.7	7.7	-8.4	-10.8	3.4	324.8	-54.4	28.2
274	ok	0.16	1.46e-02	1.76e-03	7.7	7.7	7.7	7.7	-2.7	-4.8	2.4	64.2	-104.4	1.6
278	ok	0.16	4.01e-02	1.65e-03	7.7	7.7	7.7	7.7	-2.1	-6.2	-0.6	210.7	-233.2	38.4
279	ok	0.16	6.99e-02	2.73e-03	7.7	7.7	7.7	7.7	-6.9	-8.2	-4.1	-3.2	-408.5	-250.0
280	ok	0.16	4.68e-02	2.46e-03	7.7	7.7	7.7	7.7	-9.9	-8.7	-1.2	344.9	-78.5	-37.1
281	ok	0.16	4.55e-02	2.55e-03	7.7	7.7	7.7	7.7	-8.8	-10.2	-1.3	338.4	-70.7	-18.1
282	ok	0.16	1.81e-02	1.41e-03	7.7	7.7	7.7	7.7	-5.3	-0.6	-1.4	117.1	-44.9	-52.4
286	ok	0.16	4.00e-02	1.29e-03	7.7	7.7	7.7	7.7	-4.0	-5.3	0.5	141.5	-299.2	30.5
287	ok	0.16	4.42e-02	1.88e-03	7.7	7.7	7.7	7.7	-5.4	-6.9	1.8	177.5	-311.0	100.4
288	ok	0.16	4.73e-02	2.41e-03	7.7	7.7	7.7	7.7	-9.8	-9.2	0.2	349.0	-82.1	35.9
289	ok	0.16	2.76e-02	1.56e-03	7.7	7.7	7.7	7.7	-3.7	-0.6	-3.0	182.7	3.2	-76.9
290	ok	0.16	2.48e-02	2.77e-03	7.7	7.7	7.7	7.7	-2.5	-8.1	-4.5	46.0	-132.1	-95.6
294	ok	0.16	2.52e-02	2.90e-03	7.7	7.7	7.7	7.7	-1.5	-10.2	2.1	112.0	-149.3	56.3
295	ok	0.16	6.53e-02	2.87e-03	7.7	7.7	7.7	7.7	-6.5	-7.4	5.4	-75.4	-182.9	356.8
296	ok	0.16	3.25e-02	1.13e-03	7.7	7.7	7.7	7.7	-4.3	-1.5	1.1	217.2	-8.6	84.8
297	ok	0.16	5.46e-02	4.00e-03	7.7	7.7	7.7	7.7	-12.1	-4.6	-5.8	-298.1	-63.3	-186.6
298	ok	0.16	2.38e-02	2.61e-03	7.7	7.7	7.7	7.7	-8.2	-3.1	-3.4	-135.7	19.4	-76.5
299	ok	0.16	1.77e-02	1.45e-03	7.7	7.7	7.7	7.7	-0.7	-5.6	-1.6	-45.1	114.4	-51.5
300	ok	0.16	1.74e-02	1.63e-03	7.7	7.7	7.7	7.7	-4.3	-5.1	2.1	-127.2	44.1	1.2
301	ok	0.16	7.89e-02	5.19e-03	7.7	7.7	7.7	7.7	-7.8	-15.2	6.8	-286.1	-268.9	311.8
302	ok	0.16	4.48e-02	2.23e-03	7.7	7.7	7.7	7.7	-5.9	-2.1	2.7	-150.9	126.8	220.0
303	ok	0.16	2.75e-02	0.0	7.7	7.7	7.7	7.7	1.8	3.1	1.9	109.6	205.1	27.1
304	ok	0.16	2.71e-02	1.53e-03	7.7	7.7	7.7	7.7	1.9	-3.8	-2.0	124.7	156.8	-59.7
305	ok	0.16	4.64e-02	2.45e-03	7.7	7.7	7.7	7.7	-10.1	-8.3	-1.0	-69.3	346.3	-19.8
306	ok	0.16	4.53e-02	3.14e-03	7.7	7.7	7.7	7.7	-10.9	-8.8	3.5	-56.8	303.2	26.1
307	ok	0.16	2.99e-02	1.66e-03	7.7	7.7	7.7	7.7	-1.0	-4.7	0.3	-61.5	218.7	40.1
308	ok	0.16	2.66e-02	1.56e-04	7.7	7.7	7.7	7.7	0.1	1.1	-2.63e-02	102.3	195.3	33.6

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**
									-15.51	-15.19	-6.53	-659.10	-408.53	-362.25
		0.16	0.12	5.37e-03	7.70	7.70	7.70	7.70	1.90	3.09	7.23	349.01	348.36	356.77

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
253	ok	0.71						
254	ok	0.96						
255	ok	0.73						
256	ok	0.89						
257	ok	0.92						
258	ok	0.67						
259	ok	0.76						
260	ok	0.78						
261	ok	1.13						
262	ok	0.72						
263	ok	0.67						
264	ok	1.06						
265	ok	0.89						
266	ok	0.92						
267	ok	1.72						
268	ok	2.18						
269	ok	1.18						
270	ok	1.23						
271	ok	1.06						
272	ok	1.06						
273	ok	0.92						
274	ok	0.49						
278	ok	1.23						
279	ok	0.67						
280	ok	0.89						
281	ok	0.61						
282	ok	1.06						

286	ok	1.15
287	ok	0.70
288	ok	0.73
289	ok	0.96
290	ok	0.94
294	ok	2.11
295	ok	0.85
296	ok	0.90
297	ok	0.86
298	ok	1.14
299	ok	1.08
300	ok	0.71
301	ok	1.89
302	ok	1.04
303	ok	0.64
304	ok	1.02
305	ok	0.59
306	ok	1.02
307	ok	0.99
308	ok	0.93

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.18						

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
2	300.00	20.00	150.00	150.00	150.00	30.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-300.0	4d14	14/20	14/30	0.03	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.303e+04	795.17
-270.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.303e+04	795.17
-240.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.303e+04	789.54
-225.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.303e+04	737.15
-210.0	4d14	14/20	14/30	0.02	3.59e-03	0.02	0.0	0.02	0.02	0.0	2.303e+04	627.15
-180.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.303e+04	600.97
-150.0	4d14	14/20	14/30	0.02	3.61e-03	0.02	0.0	0.02	0.02	0.0	2.303e+04	567.07
-120.0	0d0	14/20	14/30	0.01	3.85e-03	5.91e-03	0.0	0.02	0.0	0.0	2.110e+04	533.18
-90.0	0d0	14/20	14/30	0.01	3.50e-03	5.56e-03	0.0	0.02	0.0	0.0	1.916e+04	499.28
-60.0	0d0	14/20	14/30	0.01	3.15e-03	5.21e-03	0.0	0.02	0.0	0.0	1.723e+04	465.38
-30.0	0d0	14/20	14/30	9.41e-03	2.81e-03	4.85e-03	0.0	0.02	0.0	0.0	1.529e+04	431.48
0.0	0d0	14/20	14/30	7.88e-03	2.46e-03	4.50e-03	0.0	0.02	0.0	0.0	1.336e+04	397.58

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.03	3.85e-03	0.02	0.0	0.03	0.02

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-300.0	-4943.94	-3596.69	2.301e+04	-3596.78	795.17	0.0	0.0	0.0	-3596.78	2.298e+04	795.17
-270.0	-4889.25	-3613.17	2.301e+04	-3613.25	795.17	0.0	0.0	0.0	-3613.25	2.298e+04	795.17
-240.0	-4583.99	-3411.36	2.301e+04	-3411.43	789.54	0.0	0.0	0.0	-3411.43	2.298e+04	789.54
-225.0	-4340.57	-3264.53	2.301e+04	-3264.58	737.15	0.0	0.0	0.0	-3264.58	2.298e+04	737.15
-210.0	-3740.99	-2815.21	2.301e+04	-3242.08	627.15	0.0	0.0	0.0	-3242.08	2.166e+04	627.15
-180.0	-3486.19	-2672.11	2.301e+04	-3047.54	623.57	0.0	0.0	0.0	-3047.54	2.166e+04	623.57
-150.0	-3149.45	-2480.67	2.301e+04	-2789.20	600.95	0.0	0.0	0.0	-2789.20	2.166e+04	600.95
-120.0	-2815.86	-2288.85	2.107e+04	-2532.09	567.01	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	-2488.52	-2095.96	1.913e+04	-2277.32	533.08	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	-2169.27	-2024.74	1.722e+04	-2025.25	499.14	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	-1859.41	-1774.51	1.528e+04	-1775.18	465.21	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-1556.05	-1524.52	1.336e+04	-1524.98	431.27	0.0	0.0	0.0	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-300.0	1.00	795.17	3.797e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.013e+04
-270.0	1.00	795.17	3.798e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.013e+04
-240.0	1.00	789.54	3.796e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.009e+04
-225.0	1.00	737.15	3.795e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.006e+04
-210.0	1.00	627.15	3.795e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.005e+04
-180.0	1.00	623.57	3.793e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.001e+04
-150.0	1.00	600.95	3.791e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9951.13
-120.0	1.00	567.01	9.597e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

-90.0	1.00	533.08	9.592e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	1.00	499.14	9.587e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	1.00	465.21	9.582e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	1.00	431.27	9.577e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-300.0	0.03	-3596.78	2.298e+04	795.17	0.26	1.557e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-270.0	0.03	-3613.25	2.298e+04	795.17	0.26	1.559e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-240.0	0.03	-3411.43	2.298e+04	789.54	0.26	1.540e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-225.0	0.03	-3264.58	2.298e+04	737.15	0.26	1.526e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-210.0	0.02	-2814.76	2.167e+04	625.06	0.24	1.483e+04	1.090e+04	0.0	5.13e-03	7.70e-03	0.0
-180.0	0.02	-2671.79	2.167e+04	621.46	0.24	1.469e+04	1.090e+04	0.0	5.13e-03	7.70e-03	0.0
-150.0	0.02	-2480.54	2.167e+04	598.85	0.24	1.451e+04	1.090e+04	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.02	-2288.84	2.105e+04	565.22	0.26	1.337e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-90.0	0.02	-2095.96	1.912e+04	531.70	0.26	1.318e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-60.0	0.02	-1901.17	1.718e+04	498.17	0.26	1.299e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
-30.0	0.02	-1702.16	1.525e+04	464.64	0.26	1.280e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0
0.0	0.02	-1497.76	1.332e+04	431.11	0.26	1.260e+04	1.156e+04	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.03	0.0

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	0.31	2.14e-02	2.11e-03	10.3	10.3	5.1	5.1	3.9	4.9	-10.9	-119.5	-50.3	-6.69e-02
2	ok	0.28	7.07e-02	1.75e-02	7.7	7.7	5.1	5.1	-46.3	-13.5	16.8	-259.5	-53.4	-21.4
3	ok	0.28	9.34e-02	1.86e-02	7.7	7.7	5.1	5.1	-53.2	-18.5	12.0	-362.6	-62.1	-8.5
4	ok	0.28	9.35e-02	1.87e-02	7.7	7.7	5.1	5.1	-53.2	-18.6	-12.1	-362.8	-62.1	8.5
5	ok	0.28	7.08e-02	1.77e-02	7.7	7.7	5.1	5.1	-46.6	-13.5	-17.0	-259.7	-53.5	21.5
6	ok	0.31	2.15e-02	2.21e-03	10.3	10.3	5.1	5.1	3.6	4.9	11.0	-119.7	-50.4	3.69e-02
37	ok	0.31	5.30e-02	1.23e-02	10.3	10.3	5.1	5.1	-20.5	-22.7	16.0	-23.6	-141.7	-17.2
38	ok	0.28	4.27e-02	1.41e-02	7.7	7.7	5.1	5.1	-31.8	-8.8	1.1	106.6	81.8	-45.4
39	ok	0.28	4.70e-02	1.64e-02	7.7	7.7	5.1	5.1	-47.6	-9.9	-2.8	137.5	56.7	-14.0
40	ok	0.28	4.70e-02	1.64e-02	7.7	7.7	5.1	5.1	-47.8	-9.9	2.8	137.4	56.7	14.0
41	ok	0.28	4.27e-02	1.42e-02	7.7	7.7	5.1	5.1	-32.1	-8.8	-1.1	106.4	81.8	45.5
42	ok	0.31	5.31e-02	1.24e-02	10.3	10.3	5.1	5.1	-20.9	-22.8	-16.1	-23.8	-141.8	17.2
57	ok	0.31	4.82e-02	9.56e-03	10.3	10.3	5.1	5.1	-24.7	-18.0	-8.0	-50.2	-138.5	13.4
58	ok	0.28	2.01e-02	1.20e-02	7.7	7.7	5.1	5.1	-31.3	-12.4	9.1	13.5	46.0	11.6
59	ok	0.28	2.36e-02	1.35e-02	7.7	7.7	5.1	5.1	-40.8	-15.6	2.0	-32.1	32.5	-7.5
60	ok	0.28	2.36e-02	1.35e-02	7.7	7.7	5.1	5.1	-40.9	-15.6	-1.9	-32.1	32.5	7.5
61	ok	0.28	2.01e-02	1.20e-02	7.7	7.7	5.1	5.1	-31.6	-12.4	-9.1	13.5	46.1	-11.6
62	ok	0.31	4.83e-02	9.63e-03	10.3	10.3	5.1	5.1	-25.1	-18.0	8.0	-50.3	-138.6	-13.4
77	ok	0.31	3.78e-02	9.53e-03	10.3	10.3	5.1	5.1	-27.8	-0.7	9.2	-46.1	-128.6	-7.2
78	ok	0.28	6.02e-02	1.29e-02	7.7	7.7	5.1	5.1	-33.0	-16.9	11.5	-226.1	-33.2	-45.9
79	ok	0.28	8.57e-02	1.26e-02	7.7	7.7	5.1	5.1	-36.2	-22.7	6.0	-348.8	-24.5	-26.4
80	ok	0.28	8.57e-02	1.26e-02	7.7	7.7	5.1	5.1	-36.3	-22.7	-6.0	-348.8	-24.5	26.3
81	ok	0.28	6.03e-02	1.30e-02	7.7	7.7	5.1	5.1	-33.3	-16.9	-11.5	-226.0	-33.1	45.9
82	ok	0.31	3.78e-02	9.67e-03	10.3	10.3	5.1	5.1	-28.2	-0.8	-9.2	-46.0	-128.6	7.3
113	ok	0.31	7.22e-02	1.09e-02	10.3	10.3	5.1	5.1	-28.9	-17.7	9.8	-66.3	-227.8	-24.4
114	ok	0.28	3.73e-02	1.01e-02	7.7	7.7	5.1	5.1	-28.9	-17.2	3.2	-29.8	21.0	-104.9
115	ok	0.28	3.69e-02	9.89e-03	7.7	7.7	5.1	5.1	-28.3	-20.8	1.0	-53.2	74.3	-44.8
116	ok	0.28	3.70e-02	9.92e-03	7.7	7.7	5.1	5.1	-28.4	-20.8	-1.0	-53.3	74.4	44.7
117	ok	0.28	3.74e-02	1.02e-02	7.7	7.7	5.1	5.1	-29.2	-17.2	-3.3	-29.8	21.1	104.9
118	ok	0.31	7.22e-02	1.10e-02	10.3	10.3	5.1	5.1	-29.4	-17.7	-9.8	-66.4	-227.7	24.4
133	ok	0.31	0.1	1.26e-02	10.3	10.3	5.1	5.1	-30.5	-27.2	-5.9	-67.4	-453.9	-8.5
134	ok	0.28	4.92e-02	1.01e-02	7.7	7.7	5.1	5.1	-26.4	-24.8	-1.0	90.2	64.5	-87.1
135	ok	0.28	7.60e-02	9.22e-03	7.7	7.7	5.1	5.1	-26.5	-23.8	-0.4	183.4	221.0	-43.2
136	ok	0.28	7.60e-02	9.25e-03	7.7	7.7	5.1	5.1	-26.6	-23.8	0.3	183.3	221.2	43.1
137	ok	0.28	4.93e-02	1.02e-02	7.7	7.7	5.1	5.1	-26.7	-24.8	1.0	90.2	64.9	87.1
138	ok	0.31	0.1	1.27e-02	10.3	10.3	5.1	5.1	-31.1	-27.2	5.9	-67.4	-453.5	8.6
153	ok	0.31	0.2	1.24e-02	10.3	10.3	5.1	5.1	-32.3	-28.0	7.8	-83.3	-545.8	-3.5
154	ok	0.28	3.05e-02	1.04e-02	7.7	7.7	5.1	5.1	-22.2	-26.6	1.6	81.2	54.0	-10.6
155	ok	0.28	8.82e-02	9.08e-03	7.7	7.7	5.1	5.1	-23.3	-25.6	-1.0	183.7	273.3	-11.0
156	ok	0.28	8.83e-02	9.08e-03	7.7	7.7	5.1	5.1	-23.4	-25.6	1.0	183.7	273.6	10.8
157	ok	0.28	3.08e-02	1.04e-02	7.7	7.7	5.1	5.1	-22.5	-26.6	-1.6	81.3	54.8	10.7
158	ok	0.31	0.2	1.25e-02	10.3	10.3	5.1	5.1	-32.9	-28.0	-7.8	-83.1	-544.8	3.8
173	ok	0.28	0.2	1.09e-02	7.7	7.7	5.1	5.1	-26.9	-25.8	-4.2	-85.1	-504.7	10.3
174	ok	0.28	3.11e-02	9.86e-03	7.7	7.7	5.1	5.1	-20.7	-23.1	-0.8	54.8	34.9	40.1
175	ok	0.28	8.34e-02	8.40e-03	7.7	7.7	5.1	5.1	-19.8	-22.1	-1.7	137.9	252.8	16.7
176	ok	0.28	8.35e-02	8.40e-03	7.7	7.7	5.1	5.1	-20.0	-22.1	1.6	138.0	253.2	-17.0
177	ok	0.28	3.13e-02	9.88e-03	7.7	7.7	5.1	5.1	-21.0	-23.0	0.8	55.1	36.3	-39.8
178	ok	0.28	0.2	1.10e-02	7.7	7.7	5.1	5.1	-27.5	-25.7	4.1	-84.6	-502.7	-9.9
193	ok	0.28	0.1	8.28e-03	7.7	7.7	5.1	5.1	-20.7	-18.9	-3.0	-67.7	-378.8	13.9
194	ok	0.28	3.13e-02	8.63e-03	7.7	7.7	5.1	5.1	-18.6	-16.1	-2.9	30.2	18.0	70.4
195	ok	0.28	6.63e-02	7.67e-03	7.7	7.7	5.1	5.1	-20.1	-15.1	-2.6	83.8	188.4	32.0
196	ok	0.28	6.64e-02	7.68e-03	7.7	7.7	5.1	5.1	-20.3	-15.0	2.5	84.0	189.1	-32.3

197	ok	0.28	3.16e-02	8.67e-03	7.7	7.7	5.1	5.1	-19.0	-15.9	2.9	30.9	20.2	-69.9
198	ok	0.28	0.1	8.40e-03	7.7	7.7	5.1	5.1	-21.2	-18.8	3.0	-66.9	-375.3	-13.5
213	ok	0.28	7.88e-02	4.83e-03	7.7	7.7	5.1	5.1	-13.0	-8.1	3.2	-49.3	-214.2	11.8
214	ok	0.28	2.59e-02	7.60e-03	7.7	7.7	5.1	5.1	-19.2	-9.0	-7.3	-14.1	-4.6	77.5
215	ok	0.28	4.33e-02	8.03e-03	7.7	7.7	5.1	5.1	-21.8	-6.5	-3.3	13.6	99.6	36.6
216	ok	0.28	4.33e-02	8.08e-03	7.7	7.7	5.1	5.1	-22.1	-6.3	2.9	14.1	100.5	-36.6
217	ok	0.28	2.64e-02	7.71e-03	7.7	7.7	5.1	5.1	-19.8	-8.7	7.3	-13.2	-2.0	-77.3
218	ok	0.28	7.72e-02	4.89e-03	7.7	7.7	5.1	5.1	-13.4	-7.9	-3.2	-48.1	-209.7	-11.5
233	ok	0.28	3.28e-02	1.56e-03	7.7	7.7	5.1	5.1	-2.8	-2.1	2.2	-35.5	-110.5	8.3
234	ok	0.28	3.03e-02	6.98e-03	7.7	7.7	5.1	5.1	-18.6	-1.5	-7.2	-83.3	-30.6	55.1
235	ok	0.28	3.64e-02	8.64e-03	7.7	7.7	5.1	5.1	-25.9	-2.8	-3.7	-121.1	6.3	26.5
236	ok	0.28	3.63e-02	8.80e-03	7.7	7.7	5.1	5.1	-26.6	-2.5	3.1	-119.5	7.6	-25.9
237	ok	0.28	3.00e-02	7.23e-03	7.7	7.7	5.1	5.1	-19.6	-1.2	7.2	-80.9	-27.9	-55.1
238	ok	0.28	3.14e-02	1.54e-03	7.7	7.7	5.1	5.1	-0.8	1.8	-1.6	-48.8	-55.8	-8.7
253	ok	0.28	1.60e-02	5.51e-04	7.7	7.7	5.1	5.1	9.3	4.2	5.1	-73.7	-7.2	-7.5
254	ok	0.28	5.29e-02	6.79e-03	7.7	7.7	5.1	5.1	-16.2	-3.1	5.9	-222.9	-50.1	-18.1
255	ok	0.28	8.61e-02	9.02e-03	7.7	7.7	5.1	5.1	-25.6	-9.1	5.4	-368.4	-69.9	-8.7
256	ok	0.28	8.51e-02	9.27e-03	7.7	7.7	5.1	5.1	-26.2	-9.1	-6.2	-362.6	-68.7	11.2
257	ok	0.28	5.19e-02	7.12e-03	7.7	7.7	5.1	5.1	-18.4	-3.2	-5.2	-214.0	-47.7	17.0
258	ok	0.28	1.56e-02	5.59e-04	7.7	7.7	5.1	5.1	8.7	3.8	-5.2	-72.2	-5.4	7.5

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
								-53.23	-27.99	-16.96	-368.37	-545.82	-104.92
	0.31	0.16	0.02	10.26	10.26	5.13	5.13	9.26	4.89	16.78	183.71	273.63	104.94

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
1	ok	0.28						
2	ok	0.96						
3	ok	1.42						
4	ok	1.42						
5	ok	0.96						
6	ok	0.28						
37	ok	0.40						
38	ok	2.10						
39	ok	1.88						
40	ok	1.88						
41	ok	2.10						
42	ok	0.40						
57	ok	0.42						
58	ok	1.98						
59	ok	2.03						
60	ok	2.03						
61	ok	1.97						
62	ok	0.42						
77	ok	0.36						
78	ok	1.22						
79	ok	1.67						
80	ok	1.67						
81	ok	1.22						
82	ok	0.36						
113	ok	0.66						
114	ok	1.79						
115	ok	1.97						
116	ok	1.97						
117	ok	1.79						
118	ok	0.66						
133	ok	1.43						
134	ok	1.70						
135	ok	1.22						
136	ok	1.22						
137	ok	1.70						
138	ok	1.43						
153	ok	1.71						
154	ok	1.76						
155	ok	0.99						
156	ok	0.99						
157	ok	1.76						
158	ok	1.71						
173	ok	1.53						
174	ok	1.56						
175	ok	0.94						
176	ok	0.94						
177	ok	1.56						
178	ok	1.53						
193	ok	1.18						
194	ok	1.21						
195	ok	0.80						

196	ok	0.80
197	ok	1.21
198	ok	1.18
213	ok	0.77
214	ok	0.81
215	ok	0.67
216	ok	0.66
217	ok	0.80
218	ok	0.76
233	ok	0.35
234	ok	0.46
235	ok	0.65
236	ok	0.66
237	ok	0.45
238	ok	0.36
253	ok	0.23
254	ok	0.36
255	ok	0.73
256	ok	0.72
257	ok	0.34
258	ok	0.23

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.10						

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
3	300.00	20.00	150.00	150.00	150.00	30.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-300.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.302e+04	788.54
-270.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.302e+04	788.39
-240.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.302e+04	782.08
-225.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.302e+04	729.87
-210.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.302e+04	617.22
-180.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.302e+04	591.96
-150.0	4d14	14/20	14/30	0.02	3.61e-03	0.02	0.0	0.02	0.02	0.0	2.302e+04	559.01
-120.0	0d0	14/20	14/30	0.01	3.85e-03	5.83e-03	0.0	0.02	0.0	0.0	2.108e+04	526.06
-90.0	0d0	14/20	14/30	0.01	3.49e-03	5.49e-03	0.0	0.02	0.0	0.0	1.914e+04	493.11
-60.0	0d0	14/20	14/30	0.01	3.14e-03	5.14e-03	0.0	0.02	0.0	0.0	1.720e+04	460.16
-30.0	0d0	14/20	14/30	9.05e-03	2.79e-03	4.80e-03	0.0	0.02	0.0	0.0	1.525e+04	427.22
0.0	0d0	14/20	14/30	7.55e-03	2.44e-03	4.46e-03	0.0	0.02	0.0	0.0	1.331e+04	394.27

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.02	3.85e-03	0.02	0.0	0.03	0.02

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-300.0	-4880.51	-3534.57	2.301e+04	-3534.66	787.89	0.0	0.0	0.0	-3534.66	2.297e+04	787.89
-270.0	-4825.85	-3550.89	2.301e+04	-3550.97	787.89	0.0	0.0	0.0	-3550.97	2.297e+04	787.89
-240.0	-4521.45	-3350.06	2.301e+04	-3350.13	782.08	0.0	0.0	0.0	-3350.13	2.297e+04	782.08
-225.0	-4278.45	-3203.70	2.301e+04	-3203.75	729.87	0.0	0.0	0.0	-3203.75	2.297e+04	729.87
-210.0	-3679.51	-2755.23	2.301e+04	-2755.25	617.22	0.0	0.0	0.0	-2755.25	2.297e+04	617.22
-180.0	-3424.77	-2612.43	2.301e+04	-2612.44	613.92	0.0	0.0	0.0	-2612.44	2.297e+04	613.92
-150.0	-3087.63	-2421.06	2.301e+04	-2421.06	591.92	0.0	0.0	0.0	-2421.06	2.297e+04	591.92
-120.0	-2752.72	-2228.55	2.104e+04	-2228.54	558.93	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	-2422.72	-2033.83	1.908e+04	-2033.82	525.93	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	-2099.87	-1836.55	1.712e+04	-1836.55	492.94	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	-1788.44	-1637.57	1.517e+04	-1637.31	459.94	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-1491.84	-1435.82	1.324e+04	-1435.86	426.94	0.0	0.0	0.0	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-300.0	1.00	787.89	3.797e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.012e+04
-270.0	1.00	787.89	3.797e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.012e+04
-240.0	1.00	782.08	3.796e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.008e+04
-225.0	1.00	729.87	3.794e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.005e+04
-210.0	1.00	617.22	3.791e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9950.85
-180.0	1.00	613.92	3.790e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9919.31
-150.0	1.00	591.92	3.788e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9879.54

-120.0	1.00	558.93	9.591e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	1.00	525.93	9.587e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	1.00	492.94	9.583e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	1.00	459.94	9.579e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	1.00	426.94	9.576e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-300.0	0.03	-3534.66	2.297e+04	787.89	0.26	1.551e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-270.0	0.03	-3550.97	2.297e+04	787.89	0.26	1.553e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-240.0	0.03	-3350.13	2.297e+04	782.08	0.26	1.534e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-225.0	0.03	-3203.75	2.297e+04	729.87	0.26	1.520e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-210.0	0.02	-2755.25	2.297e+04	617.22	0.26	1.477e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-180.0	0.02	-2612.44	2.297e+04	613.92	0.26	1.463e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-150.0	0.02	-2421.06	2.297e+04	591.92	0.26	1.445e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.02	-2228.54	2.102e+04	558.93	0.26	1.331e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-90.0	0.02	-2033.82	1.907e+04	525.93	0.26	1.312e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-60.0	0.02	-1836.55	1.712e+04	492.94	0.26	1.293e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
-30.0	0.02	-1637.31	1.517e+04	459.94	0.26	1.274e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0
0.0	0.02	-1435.86	1.322e+04	426.94	0.26	1.254e+04	1.169e+04	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.03	0.0

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	0.31	2.14e-02	2.11e-03	10.3	10.3	5.1	5.1	3.8	4.9	10.8	-119.9	-50.3	7.21e-02
7	ok	0.28	7.07e-02	1.75e-02	7.7	7.7	5.1	5.1	-46.0	-13.5	-16.7	-259.9	-53.5	21.5
13	ok	0.28	9.33e-02	1.84e-02	7.7	7.7	5.1	5.1	-52.6	-18.4	-11.8	-362.9	-62.1	8.5
19	ok	0.28	9.33e-02	1.84e-02	7.7	7.7	5.1	5.1	-52.5	-18.4	11.8	-362.7	-62.1	-8.4
25	ok	0.28	7.05e-02	1.73e-02	7.7	7.7	5.1	5.1	-45.7	-13.4	16.5	-259.6	-53.4	-21.4
31	ok	0.31	2.13e-02	2.01e-03	10.3	10.3	5.1	5.1	4.1	4.9	-10.7	-119.6	-50.2	-0.1
37	ok	0.31	5.30e-02	1.23e-02	10.3	10.3	5.1	5.1	-20.5	-22.7	-16.0	-23.8	-141.7	17.3
43	ok	0.28	4.26e-02	1.40e-02	7.7	7.7	5.1	5.1	-31.6	-8.8	-1.1	106.3	81.8	45.5
45	ok	0.28	4.67e-02	1.62e-02	7.7	7.7	5.1	5.1	-47.2	-9.9	2.7	137.2	56.6	14.1
47	ok	0.28	4.67e-02	1.61e-02	7.7	7.7	5.1	5.1	-47.0	-9.9	-2.7	137.3	56.6	-14.0
49	ok	0.28	4.25e-02	1.39e-02	7.7	7.7	5.1	5.1	-31.2	-8.8	1.1	106.4	81.8	-45.4
51	ok	0.31	5.30e-02	1.22e-02	10.3	10.3	5.1	5.1	-20.1	-22.7	15.9	-23.6	-141.5	-17.2
57	ok	0.31	4.82e-02	9.57e-03	10.3	10.3	5.1	5.1	-24.7	-17.9	8.1	-50.4	-138.6	-13.3
63	ok	0.28	2.01e-02	1.19e-02	7.7	7.7	5.1	5.1	-31.1	-12.4	-9.0	13.3	46.0	-11.5
65	ok	0.28	2.35e-02	1.34e-02	7.7	7.7	5.1	5.1	-40.3	-15.6	-1.9	-32.4	32.5	7.5
67	ok	0.28	2.34e-02	1.33e-02	7.7	7.7	5.1	5.1	-40.2	-15.6	1.9	-32.5	32.4	-7.5
69	ok	0.28	2.00e-02	1.18e-02	7.7	7.7	5.1	5.1	-30.8	-12.4	9.0	13.3	46.0	11.5
71	ok	0.31	4.82e-02	9.48e-03	10.3	10.3	5.1	5.1	-24.2	-17.9	-8.1	-50.4	-138.4	13.3
77	ok	0.31	3.78e-02	9.53e-03	10.3	10.3	5.1	5.1	-27.8	-0.8	-9.1	-46.1	-128.6	7.4
83	ok	0.28	6.02e-02	1.28e-02	7.7	7.7	5.1	5.1	-32.8	-16.9	-11.5	-226.3	-33.1	46.0
89	ok	0.28	8.56e-02	1.25e-02	7.7	7.7	5.1	5.1	-35.7	-22.7	-6.0	-349.2	-24.5	26.4
95	ok	0.28	8.56e-02	1.25e-02	7.7	7.7	5.1	5.1	-35.6	-22.7	6.0	-349.3	-24.5	-26.4
101	ok	0.28	6.01e-02	1.27e-02	7.7	7.7	5.1	5.1	-32.5	-16.8	11.5	-226.5	-33.2	-45.9
107	ok	0.31	3.77e-02	9.36e-03	10.3	10.3	5.1	5.1	-27.2	-0.7	9.1	-46.4	-128.5	-7.4
113	ok	0.31	7.22e-02	1.09e-02	10.3	10.3	5.1	5.1	-28.9	-17.7	-9.8	-66.7	-227.8	24.6
119	ok	0.28	3.73e-02	1.00e-02	7.7	7.7	5.1	5.1	-28.8	-17.1	-3.3	-34.3	19.8	103.7
121	ok	0.28	3.69e-02	9.75e-03	7.7	7.7	5.1	5.1	-27.8	-20.7	-0.2	-51.5	78.9	43.3
123	ok	0.28	3.69e-02	9.73e-03	7.7	7.7	5.1	5.1	-27.7	-20.7	0.3	-51.5	78.8	-43.3
125	ok	0.28	3.72e-02	9.94e-03	7.7	7.7	5.1	5.1	-28.5	-17.1	3.4	-34.3	19.7	-103.6
127	ok	0.31	7.22e-02	1.08e-02	10.3	10.3	5.1	5.1	-28.3	-17.7	9.8	-66.6	-227.6	-24.5
133	ok	0.31	0.1	1.26e-02	10.3	10.3	5.1	5.1	-30.5	-27.2	5.9	-67.9	-453.9	8.8
139	ok	0.28	4.92e-02	1.01e-02	7.7	7.7	5.1	5.1	-26.2	-24.8	1.0	89.6	64.8	87.7
141	ok	0.28	7.61e-02	9.13e-03	7.7	7.7	5.1	5.1	-26.1	-23.9	0.4	182.6	221.5	43.4
143	ok	0.28	7.61e-02	9.13e-03	7.7	7.7	5.1	5.1	-26.0	-23.9	-0.3	182.6	221.4	-43.4
145	ok	0.28	4.91e-02	1.00e-02	7.7	7.7	5.1	5.1	-25.9	-24.8	-1.0	89.6	64.5	-87.5
147	ok	0.31	0.1	1.25e-02	10.3	10.3	5.1	5.1	-30.0	-27.2	-5.9	-67.9	-454.0	-8.7
153	ok	0.31	0.2	1.24e-02	10.3	10.3	5.1	5.1	-32.3	-28.0	-7.8	-83.6	-545.8	4.1
159	ok	0.28	3.08e-02	1.04e-02	7.7	7.7	5.1	5.1	-22.0	-26.6	-1.6	80.6	54.7	11.6
161	ok	0.28	8.86e-02	9.11e-03	7.7	7.7	5.1	5.1	-22.9	-25.7	1.0	182.8	274.5	11.2
163	ok	0.28	8.85e-02	9.11e-03	7.7	7.7	5.1	5.1	-22.8	-25.7	-1.0	182.7	274.2	-11.3
165	ok	0.28	3.06e-02	1.04e-02	7.7	7.7	5.1	5.1	-21.7	-26.6	1.6	80.5	54.1	-11.5
167	ok	0.31	0.2	1.23e-02	10.3	10.3	5.1	5.1	-31.8	-28.0	7.8	-83.8	-546.5	-3.9
173	ok	0.28	0.2	1.09e-02	7.7	7.7	5.1	5.1	-26.9	-25.7	4.1	-85.5	-504.7	-9.4
179	ok	0.28	3.09e-02	9.83e-03	7.7	7.7	5.1	5.1	-20.5	-23.1	0.7	54.4	36.4	-38.4
181	ok	0.28	8.41e-02	8.45e-03	7.7	7.7	5.1	5.1	-19.4	-22.2	1.6	137.0	255.0	-16.2
183	ok	0.28	8.40e-02	8.46e-03	7.7	7.7	5.1	5.1	-19.3	-22.3	-1.6	136.8	254.8	16.2
185	ok	0.28	3.07e-02	9.81e-03	7.7	7.7	5.1	5.1	-20.3	-23.2	-0.7	53.9	35.3	38.6
187	ok	0.28	0.2	1.08e-02	7.7	7.7	5.1	5.1	-26.5	-25.8	-4.1	-86.0	-506.4	9.8
193	ok	0.28	0.1	8.29e-03	7.7	7.7	5.1	5.1	-20.7	-18.8	2.9	-67.8	-378.7	-12.8
199	ok	0.28	3.11e-02	8.55e-03	7.7	7.7	5.1	5.1	-18.4	-16.0	2.8	30.8	20.7	-68.0
201	ok	0.28	6.75e-02	7.48e-03	7.7	7.7	5.1	5.1	-19.6	-15.3	2.4	84.0	192.3	-31.2

203	ok	0.28	6.75e-02	7.48e-03	7.7	7.7	5.1	5.1	-19.4	-15.5	-2.5	83.5	192.3	31.6
205	ok	0.28	3.08e-02	8.51e-03	7.7	7.7	5.1	5.1	-18.2	-16.3	-2.7	29.5	19.1	68.3
207	ok	0.28	0.1	8.25e-03	7.7	7.7	5.1	5.1	-20.4	-19.0	-3.0	-69.1	-382.6	13.1
213	ok	0.28	7.87e-02	4.80e-03	7.7	7.7	5.1	5.1	-13.0	-7.9	-3.2	-48.2	-214.1	-11.2
219	ok	0.28	2.62e-02	7.55e-03	7.7	7.7	5.1	5.1	-19.4	-8.7	7.0	-11.4	-1.6	-75.9
221	ok	0.28	4.46e-02	7.78e-03	7.7	7.7	5.1	5.1	-21.3	-6.8	2.5	17.1	105.5	-35.1
223	ok	0.28	4.54e-02	7.65e-03	7.7	7.7	5.1	5.1	-20.6	-7.4	-3.2	16.7	106.7	36.3
225	ok	0.28	2.59e-02	7.36e-03	7.7	7.7	5.1	5.1	-18.9	-9.5	-6.6	-12.0	-1.7	75.6
227	ok	0.28	8.12e-02	5.00e-03	7.7	7.7	5.1	5.1	-13.5	-8.4	3.3	-49.6	-221.1	11.1
233	ok	0.28	3.30e-02	1.68e-03	7.7	7.7	5.1	5.1	-0.6	1.8	-1.3	-48.4	-59.9	-9.7
239	ok	0.28	2.96e-02	7.23e-03	7.7	7.7	5.1	5.1	-19.9	-0.9	6.8	-77.0	-29.2	-56.2
241	ok	0.28	3.37e-02	8.44e-03	7.7	7.7	5.1	5.1	-25.8	-2.8	1.6	-108.7	14.7	-25.0
243	ok	0.28	3.25e-02	7.86e-03	7.7	7.7	5.1	5.1	-23.4	-3.9	-3.7	-107.1	16.9	25.9
245	ok	0.28	2.81e-02	6.49e-03	7.7	7.7	5.1	5.1	-17.9	-2.4	-5.8	-72.1	-25.3	55.1
247	ok	0.28	3.61e-02	2.00e-03	7.7	7.7	5.1	5.1	-1.1	-0.3	-1.7	-46.2	-67.2	10.1
253	ok	0.28	1.62e-02	6.26e-04	7.7	7.7	5.1	5.1	8.7	3.6	-4.6	-75.0	-7.4	7.0
259	ok	0.28	5.51e-02	7.42e-03	7.7	7.7	5.1	5.1	-21.8	-3.7	-4.1	-223.7	-54.3	10.7
273	ok	0.28	7.73e-02	8.94e-03	7.7	7.7	5.1	5.1	-24.3	-9.6	-7.2	-325.7	-55.2	7.7
281	ok	0.28	7.66e-02	7.35e-03	7.7	7.7	5.1	5.1	-20.6	-9.0	3.9	-330.2	-53.6	-7.2
289	ok	0.28	4.53e-02	5.84e-03	7.7	7.7	5.1	5.1	-14.9	-2.4	5.7	-188.2	-43.8	-17.0
303	ok	0.28	1.15e-02	1.07e-03	7.7	7.7	5.1	5.1	3.2	3.4	3.8	-53.4	-10.4	-5.1

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
								-52.60	-27.99	-16.73	-362.92	-546.47	-103.62
	0.31	0.16	0.02	10.26	10.26	5.13	5.13	8.72	4.92	16.53	182.76	274.46	103.72

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
1	ok	0.28						
7	ok	0.96						
13	ok	1.42						
19	ok	1.42						
25	ok	0.96						
31	ok	0.28						
37	ok	0.40						
43	ok	2.10						
45	ok	1.88						
47	ok	1.88						
49	ok	2.10						
51	ok	0.40						
57	ok	0.42						
63	ok	1.98						
65	ok	2.03						
67	ok	2.03						
69	ok	1.98						
71	ok	0.42						
77	ok	0.36						
83	ok	1.22						
89	ok	1.67						
95	ok	1.67						
101	ok	1.22						
107	ok	0.36						
113	ok	0.66						
119	ok	1.79						
121	ok	1.97						
123	ok	1.97						
125	ok	1.79						
127	ok	0.66						
133	ok	1.44						
139	ok	1.70						
141	ok	1.22						
143	ok	1.22						
145	ok	1.70						
147	ok	1.43						
153	ok	1.71						
159	ok	1.76						
161	ok	0.99						
163	ok	0.99						
165	ok	1.76						
167	ok	1.71						
173	ok	1.53						
179	ok	1.56						
181	ok	0.93						
183	ok	0.94						
185	ok	1.57						
187	ok	1.53						
193	ok	1.19						
199	ok	1.21						

201	ok	0.80
203	ok	0.80
205	ok	1.22
207	ok	1.19
213	ok	0.77
219	ok	0.81
221	ok	0.66
223	ok	0.66
225	ok	0.82
227	ok	0.79
233	ok	0.36
239	ok	0.49
241	ok	0.61
243	ok	0.61
245	ok	0.49
247	ok	0.40
253	ok	0.22
259	ok	0.42
273	ok	0.64
281	ok	0.66
289	ok	0.34
303	ok	0.17

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.10						

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
4	300.00	20.00	150.00	150.00	150.00	30.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-300.0	4d14	14/20	14/30	0.03	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.305e+04	795.16
-270.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.305e+04	795.16
-240.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.305e+04	789.54
-225.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.305e+04	737.16
-210.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.305e+04	627.18
-180.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.305e+04	600.99
-150.0	4d14	14/20	14/30	0.02	3.61e-03	0.02	0.0	0.02	0.02	0.0	2.305e+04	567.09
-120.0	0d0	14/20	14/30	0.01	3.86e-03	5.91e-03	0.0	0.02	0.0	0.0	2.111e+04	533.19
-90.0	0d0	14/20	14/30	0.01	3.51e-03	5.56e-03	0.0	0.02	0.0	0.0	1.918e+04	499.29
-60.0	0d0	14/20	14/30	0.01	3.16e-03	5.21e-03	0.0	0.02	0.0	0.0	1.724e+04	465.38
-30.0	0d0	14/20	14/30	9.41e-03	2.81e-03	4.86e-03	0.0	0.02	0.0	0.0	1.531e+04	431.48
0.0	0d0	14/20	14/30	7.86e-03	2.46e-03	4.50e-03	0.0	0.02	0.0	0.0	1.337e+04	397.58

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.03	3.86e-03	0.02	0.0	0.03	0.02

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-300.0	-4943.04	-3595.78	2.303e+04	-3595.87	795.16	0.0	0.0	0.0	-3595.87	2.300e+04	795.16
-270.0	-4888.36	-3612.27	2.303e+04	-3612.36	795.16	0.0	0.0	0.0	-3612.36	2.300e+04	795.16
-240.0	-4583.14	-3410.50	2.303e+04	-3410.57	789.54	0.0	0.0	0.0	-3410.57	2.300e+04	789.54
-225.0	-4339.75	-3263.70	2.303e+04	-3263.74	737.16	0.0	0.0	0.0	-3263.74	2.300e+04	737.16
-210.0	-3740.18	-2814.39	2.303e+04	-3241.26	627.18	0.0	0.0	0.0	-3241.26	2.164e+04	627.18
-180.0	-3485.42	-2671.31	2.303e+04	-3046.76	623.59	0.0	0.0	0.0	-3046.76	2.164e+04	623.59
-150.0	-3148.73	-2479.90	2.303e+04	-2788.45	600.97	0.0	0.0	0.0	-2788.45	2.164e+04	600.97
-120.0	-2815.16	-2288.08	2.109e+04	-2531.34	567.03	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	-2487.79	-2095.15	1.915e+04	-2276.55	533.09	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	-2168.53	-2023.93	1.723e+04	-2024.45	499.15	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	-1858.78	-1773.77	1.530e+04	-1774.51	465.21	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-1553.40	-1522.11	1.337e+04	-1522.30	431.27	0.0	0.0	0.0	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-300.0	1.00	795.16	3.797e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.013e+04
-270.0	1.00	795.16	3.798e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.013e+04
-240.0	1.00	789.54	3.796e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.009e+04
-225.0	1.00	737.16	3.795e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.006e+04
-210.0	1.00	627.18	3.795e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.005e+04
-180.0	1.00	623.59	3.793e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.001e+04

-150.0	1.00	600.97	3.791e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9950.95
-120.0	1.00	567.03	9.597e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	1.00	533.09	9.592e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	1.00	499.15	9.587e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	1.00	465.21	9.582e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	1.00	431.27	9.577e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-300.0	0.03	-3595.87	2.300e+04	795.16	0.26	1.557e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-270.0	0.03	-3612.36	2.300e+04	795.16	0.26	1.559e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-240.0	0.03	-3410.57	2.300e+04	789.54	0.26	1.539e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-225.0	0.03	-3263.74	2.300e+04	737.16	0.26	1.525e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-210.0	0.02	-2813.93	2.165e+04	625.10	0.24	1.483e+04	1.089e+04	0.0	5.13e-03	7.70e-03	0.0
-180.0	0.02	-2670.99	2.165e+04	621.49	0.24	1.469e+04	1.089e+04	0.0	5.13e-03	7.70e-03	0.0
-150.0	0.02	-2479.76	2.165e+04	598.88	0.24	1.451e+04	1.089e+04	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.02	-2288.07	2.107e+04	565.22	0.26	1.337e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-90.0	0.02	-2095.15	1.913e+04	531.69	0.26	1.318e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-60.0	0.02	-1900.31	1.720e+04	498.17	0.26	1.299e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
-30.0	0.02	-1701.36	1.527e+04	464.64	0.26	1.280e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0
0.0	0.02	-1495.45	1.334e+04	431.11	0.26	1.260e+04	1.157e+04	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.03	0.0

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
6	ok	0.31	2.15e-02	2.21e-03	10.3	10.3	5.1	5.1	3.6	4.9	11.0	119.7	50.4	-3.72e-02
12	ok	0.28	7.08e-02	1.77e-02	7.7	7.7	5.1	5.1	-46.6	-13.5	-17.0	259.8	53.5	-21.5
18	ok	0.28	9.35e-02	1.87e-02	7.7	7.7	5.1	5.1	-53.2	-18.6	-12.1	362.8	62.1	-8.5
24	ok	0.28	9.34e-02	1.86e-02	7.7	7.7	5.1	5.1	-53.2	-18.5	12.0	362.6	62.1	8.4
30	ok	0.28	7.06e-02	1.75e-02	7.7	7.7	5.1	5.1	-46.3	-13.5	16.8	259.5	53.4	21.4
36	ok	0.31	2.14e-02	2.10e-03	10.3	10.3	5.1	5.1	3.9	4.9	-10.9	119.5	50.3	6.85e-02
42	ok	0.31	5.31e-02	1.24e-02	10.3	10.3	5.1	5.1	-20.9	-22.8	-16.1	23.8	141.8	-17.2
44	ok	0.28	4.27e-02	1.42e-02	7.7	7.7	5.1	5.1	-32.1	-8.8	-1.1	-106.4	-81.8	-45.5
46	ok	0.28	4.70e-02	1.64e-02	7.7	7.7	5.1	5.1	-47.8	-9.9	2.8	-137.4	-56.7	-14.0
48	ok	0.28	4.70e-02	1.63e-02	7.7	7.7	5.1	5.1	-47.6	-9.9	-2.8	-137.5	-56.7	14.0
50	ok	0.28	4.27e-02	1.41e-02	7.7	7.7	5.1	5.1	-31.8	-8.8	1.1	-106.6	-81.8	45.4
56	ok	0.31	5.30e-02	1.23e-02	10.3	10.3	5.1	5.1	-20.5	-22.7	16.0	23.6	141.7	17.2
62	ok	0.31	4.83e-02	9.63e-03	10.3	10.3	5.1	5.1	-25.1	-18.0	8.1	50.3	138.6	13.4
64	ok	0.28	2.01e-02	1.20e-02	7.7	7.7	5.1	5.1	-31.6	-12.4	-9.1	-13.5	-46.1	11.6
66	ok	0.28	2.36e-02	1.35e-02	7.7	7.7	5.1	5.1	-40.9	-15.6	-1.9	32.1	-32.5	-7.5
68	ok	0.28	2.36e-02	1.35e-02	7.7	7.7	5.1	5.1	-40.8	-15.6	2.0	32.1	-32.5	7.5
70	ok	0.28	2.01e-02	1.20e-02	7.7	7.7	5.1	5.1	-31.3	-12.4	9.1	-13.5	-46.0	-11.6
76	ok	0.31	4.82e-02	9.55e-03	10.3	10.3	5.1	5.1	-24.7	-18.0	-8.0	50.2	138.5	-13.4
82	ok	0.31	3.78e-02	9.67e-03	10.3	10.3	5.1	5.1	-28.2	-0.8	-9.2	46.0	128.6	-7.3
88	ok	0.28	6.03e-02	1.30e-02	7.7	7.7	5.1	5.1	-33.3	-16.9	-11.5	226.0	33.1	-45.8
94	ok	0.28	8.57e-02	1.26e-02	7.7	7.7	5.1	5.1	-36.2	-22.7	-6.0	348.8	24.5	-26.3
100	ok	0.28	8.57e-02	1.26e-02	7.7	7.7	5.1	5.1	-36.1	-22.7	6.0	348.8	24.5	26.4
106	ok	0.28	6.02e-02	1.29e-02	7.7	7.7	5.1	5.1	-33.0	-16.9	11.5	226.1	33.2	45.9
112	ok	0.31	3.78e-02	9.52e-03	10.3	10.3	5.1	5.1	-27.7	-0.7	9.2	46.1	128.6	7.2
118	ok	0.31	7.22e-02	1.10e-02	10.3	10.3	5.1	5.1	-29.4	-17.7	-9.8	66.4	227.7	-24.4
120	ok	0.28	3.74e-02	1.02e-02	7.7	7.7	5.1	5.1	-29.3	-17.1	-3.4	33.9	-19.9	-103.5
122	ok	0.28	3.70e-02	9.92e-03	7.7	7.7	5.1	5.1	-28.3	-20.7	-0.3	50.8	-78.9	-43.1
124	ok	0.28	3.69e-02	9.88e-03	7.7	7.7	5.1	5.1	-28.2	-20.7	0.3	50.8	-78.8	43.2
126	ok	0.28	3.73e-02	1.01e-02	7.7	7.7	5.1	5.1	-29.0	-17.1	3.4	33.8	-19.8	103.5
132	ok	0.31	7.22e-02	1.09e-02	10.3	10.3	5.1	5.1	-28.9	-17.7	9.8	66.3	227.8	24.4
138	ok	0.31	0.1	1.27e-02	10.3	10.3	5.1	5.1	-31.1	-27.2	5.9	67.4	453.5	-8.6
140	ok	0.28	4.93e-02	1.02e-02	7.7	7.7	5.1	5.1	-26.7	-24.8	1.0	-90.2	-64.9	-87.1
142	ok	0.28	7.60e-02	9.25e-03	7.7	7.7	5.1	5.1	-26.6	-23.8	0.3	-183.4	-221.2	-43.1
144	ok	0.28	7.60e-02	9.22e-03	7.7	7.7	5.1	5.1	-26.5	-23.8	-0.4	-183.4	-221.0	43.2
146	ok	0.28	4.92e-02	1.01e-02	7.7	7.7	5.1	5.1	-26.4	-24.8	-1.0	-90.2	-64.5	87.1
152	ok	0.31	0.1	1.26e-02	10.3	10.3	5.1	5.1	-30.5	-27.2	-5.9	67.5	453.9	8.5
158	ok	0.31	0.2	1.25e-02	10.3	10.3	5.1	5.1	-32.9	-28.0	-7.8	83.1	544.8	-3.8
160	ok	0.28	3.08e-02	1.04e-02	7.7	7.7	5.1	5.1	-22.5	-26.6	-1.6	-81.3	-54.8	-10.7
162	ok	0.28	8.83e-02	9.08e-03	7.7	7.7	5.1	5.1	-23.4	-25.6	1.0	-183.7	-273.6	-10.8
164	ok	0.28	8.82e-02	9.08e-03	7.7	7.7	5.1	5.1	-23.3	-25.6	-1.0	-183.7	-273.3	11.0
166	ok	0.28	3.05e-02	1.04e-02	7.7	7.7	5.1	5.1	-22.2	-26.6	1.6	-81.2	-54.0	10.6
172	ok	0.31	0.2	1.24e-02	10.3	10.3	5.1	5.1	-32.3	-28.0	7.8	83.3	545.8	3.5
178	ok	0.28	0.2	1.10e-02	7.7	7.7	5.1	5.1	-27.5	-25.7	4.1	84.6	502.7	10.0
180	ok	0.28	3.13e-02	9.88e-03	7.7	7.7	5.1	5.1	-21.0	-23.1	0.8	-55.1	-36.3	39.9
182	ok	0.28	8.35e-02	8.40e-03	7.7	7.7	5.1	5.1	-20.0	-22.1	1.6	-138.0	-253.2	17.0
184	ok	0.28	8.34e-02	8.41e-03	7.7	7.7	5.1	5.1	-19.8	-22.1	-1.7	-137.9	-252.7	-16.7
186	ok	0.28	3.11e-02	9.86e-03	7.7	7.7	5.1	5.1	-20.7	-23.1	-0.8	-54.8	-34.9	-40.1
192	ok	0.28	0.2	1.09e-02	7.7	7.7	5.1	5.1	-26.9	-25.8	-4.2	85.1	504.7	-10.3
198	ok	0.28	0.1	8.40e-03	7.7	7.7	5.1	5.1	-21.2	-18.8	3.0	66.9	375.3	13.5
200	ok	0.28	3.16e-02	8.67e-03	7.7	7.7	5.1	5.1	-18.9	-15.9	2.9	-30.9	-20.2	69.9

202	ok	0.28	6.64e-02	7.67e-03	7.7	7.7	5.1	5.1	-20.3	-15.0	2.5	-84.0	-189.0	32.3
204	ok	0.28	6.63e-02	7.66e-03	7.7	7.7	5.1	5.1	-20.1	-15.1	-2.6	-83.8	-188.3	-32.1
206	ok	0.28	3.14e-02	8.63e-03	7.7	7.7	5.1	5.1	-18.6	-16.1	-2.9	-30.2	-18.0	-70.5
212	ok	0.28	0.1	8.28e-03	7.7	7.7	5.1	5.1	-20.7	-18.9	-3.0	67.8	378.8	-13.9
218	ok	0.28	7.72e-02	4.89e-03	7.7	7.7	5.1	5.1	-13.4	-7.9	-3.2	48.1	209.7	11.5
220	ok	0.28	2.63e-02	7.70e-03	7.7	7.7	5.1	5.1	-19.7	-8.7	7.3	13.2	2.0	77.3
222	ok	0.28	4.33e-02	8.07e-03	7.7	7.7	5.1	5.1	-22.1	-6.4	2.9	-13.9	-100.5	36.7
224	ok	0.28	4.33e-02	8.01e-03	7.7	7.7	5.1	5.1	-21.8	-6.6	-3.3	-13.6	-99.5	-36.5
226	ok	0.28	2.60e-02	7.59e-03	7.7	7.7	5.1	5.1	-19.2	-9.0	-7.3	14.1	4.7	-77.6
232	ok	0.28	7.88e-02	4.84e-03	7.7	7.7	5.1	5.1	-13.1	-8.1	3.2	49.2	214.1	-11.8
238	ok	0.28	3.14e-02	1.54e-03	7.7	7.7	5.1	5.1	-0.7	1.8	-1.6	48.8	55.9	8.7
240	ok	0.28	3.00e-02	7.22e-03	7.7	7.7	5.1	5.1	-19.5	-1.2	7.2	81.1	27.9	55.1
242	ok	0.28	3.64e-02	8.79e-03	7.7	7.7	5.1	5.1	-26.6	-2.5	3.0	119.7	-7.5	25.9
244	ok	0.28	3.64e-02	8.62e-03	7.7	7.7	5.1	5.1	-25.8	-2.8	-3.8	121.4	-6.1	-26.4
246	ok	0.28	3.03e-02	6.91e-03	7.7	7.7	5.1	5.1	-18.5	-1.6	-7.0	83.5	31.1	-55.1
252	ok	0.28	3.28e-02	1.59e-03	7.7	7.7	5.1	5.1	1.4	0.2	-2.4	50.6	57.9	-9.5
258	ok	0.28	1.56e-02	5.60e-04	7.7	7.7	5.1	5.1	8.7	3.8	-5.2	72.2	5.4	-7.5
266	ok	0.28	5.19e-02	7.11e-03	7.7	7.7	5.1	5.1	-18.3	-3.2	-5.2	214.0	47.7	-17.1
280	ok	0.28	8.52e-02	9.26e-03	7.7	7.7	5.1	5.1	-26.2	-9.1	-6.3	362.8	68.8	-11.3
288	ok	0.28	8.63e-02	9.09e-03	7.7	7.7	5.1	5.1	-25.6	-9.1	5.3	369.1	70.1	8.7
296	ok	0.28	5.30e-02	6.44e-03	7.7	7.7	5.1	5.1	-15.5	-3.0	5.7	224.4	50.5	18.4
308	ok	0.28	1.59e-02	6.33e-04	7.7	7.7	5.1	5.1	8.1	4.2	5.4	73.1	6.2	8.9

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
								-53.22	-27.99	-16.96	-183.72	-273.61	-103.48
	0.31	0.16	0.02	10.26	10.26	5.13	5.13	8.69	4.89	16.77	369.10	545.83	103.46

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
6	ok	0.28						
12	ok	0.96						
18	ok	1.42						
24	ok	1.42						
30	ok	0.96						
36	ok	0.28						
42	ok	0.40						
44	ok	2.10						
46	ok	1.88						
48	ok	1.88						
50	ok	2.10						
56	ok	0.40						
62	ok	0.42						
64	ok	1.97						
66	ok	2.03						
68	ok	2.03						
70	ok	1.98						
76	ok	0.42						
82	ok	0.36						
88	ok	1.22						
94	ok	1.67						
100	ok	1.67						
106	ok	1.22						
112	ok	0.36						
118	ok	0.66						
120	ok	1.79						
122	ok	1.97						
124	ok	1.97						
126	ok	1.79						
132	ok	0.66						
138	ok	1.43						
140	ok	1.70						
142	ok	1.22						
144	ok	1.22						
146	ok	1.70						
152	ok	1.43						
158	ok	1.71						
160	ok	1.76						
162	ok	0.99						
164	ok	0.99						
166	ok	1.76						
172	ok	1.71						
178	ok	1.53						
180	ok	1.56						
182	ok	0.94						
184	ok	0.94						
186	ok	1.56						
192	ok	1.53						
198	ok	1.18						

200	ok	1.21
202	ok	0.80
204	ok	0.80
206	ok	1.21
212	ok	1.18
218	ok	0.76
220	ok	0.80
222	ok	0.66
224	ok	0.67
226	ok	0.81
232	ok	0.77
238	ok	0.36
240	ok	0.45
242	ok	0.66
244	ok	0.65
246	ok	0.47
252	ok	0.36
258	ok	0.23
266	ok	0.34
280	ok	0.72
288	ok	0.73
296	ok	0.36
308	ok	0.23

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	2.10						

Parete	H totale	Spessore	H critica	H critica V	L totale	L confinata	Verif. N	Verif. N-M	Fattore V	Diagramma V	Verif. V	Prog. composta
	cm	cm	cm	cm	cm	cm						
5	300.00	20.00	150.00	150.00	150.00	30.00	ok	ok	1.50	SI	ok	SI

Quota	Af conf.	Af std	Af V (ori)	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.	N add	M invil	V invil
cm										daN	daN	daN
-300.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.300e+04	788.57
-270.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.300e+04	788.42
-240.0	4d14	14/20	14/30	0.02	3.57e-03	0.02	0.0	0.03	0.02	0.0	2.300e+04	782.12
-225.0	4d14	14/20	14/30	0.02	3.58e-03	0.02	0.0	0.03	0.02	0.0	2.300e+04	729.89
-210.0	4d14	14/20	14/30	0.02	3.59e-03	0.02	0.0	0.02	0.02	0.0	2.300e+04	617.27
-180.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.300e+04	592.00
-150.0	4d14	14/20	14/30	0.02	3.60e-03	0.02	0.0	0.02	0.02	0.0	2.300e+04	559.05
-120.0	0d0	14/20	14/30	0.01	3.84e-03	5.83e-03	0.0	0.02	0.0	0.0	2.106e+04	526.09
-90.0	0d0	14/20	14/30	0.01	3.49e-03	5.49e-03	0.0	0.02	0.0	0.0	1.912e+04	493.14
-60.0	0d0	14/20	14/30	0.01	3.14e-03	5.14e-03	0.0	0.02	0.0	0.0	1.718e+04	460.19
-30.0	0d0	14/20	14/30	9.04e-03	2.79e-03	4.80e-03	0.0	0.02	0.0	0.0	1.523e+04	427.24
0.0	0d0	14/20	14/30	7.56e-03	2.44e-03	4.46e-03	0.0	0.02	0.0	0.0	1.329e+04	394.28

Quota	Ver. N	Ver. N/M	Ver. V cls	Ver. V acc	Ver. V acc(7)	Ver. V scorr.
	0.02	3.84e-03	0.02	0.0	0.03	0.02

Quota	N v.N	N v.M/N	M v.M/N	N v.Vcls	V v.Vcls	N v.Vacc	M v. Vacc	V v.Vacc	N v.Vscor	M v.Vscor	V v.Vscor
cm	daN	daN	daN cm	daN	daN	daN	daN cm	daN	daN	daN cm	daN
-300.0	-4879.57	-3533.63	2.299e+04	-3533.72	787.93	0.0	0.0	0.0	-3533.72	2.295e+04	787.93
-270.0	-4824.89	-3549.93	2.299e+04	-3550.01	787.93	0.0	0.0	0.0	-3550.01	2.295e+04	787.93
-240.0	-4520.46	-3349.08	2.299e+04	-3349.15	782.12	0.0	0.0	0.0	-3349.15	2.295e+04	782.12
-225.0	-4277.44	-3202.71	2.299e+04	-3202.76	729.89	0.0	0.0	0.0	-3202.76	2.295e+04	729.89
-210.0	-3678.49	-2754.23	2.299e+04	-2754.25	617.27	0.0	0.0	0.0	-2754.25	2.295e+04	617.27
-180.0	-3423.66	-2611.35	2.299e+04	-2611.36	613.97	0.0	0.0	0.0	-2611.36	2.295e+04	613.97
-150.0	-3086.39	-2419.85	2.299e+04	-2419.84	591.97	0.0	0.0	0.0	-2419.84	2.295e+04	591.97
-120.0	-2751.24	-2227.10	2.101e+04	-2227.08	558.97	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	-2420.81	-2031.96	1.903e+04	-2031.94	525.97	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	-2097.25	-1834.27	1.708e+04	-1833.98	492.97	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	-1784.90	-1634.07	1.515e+04	-1633.83	459.97	0.0	0.0	0.0	0.0	0.0	0.0
0.0	-1492.56	-1435.50	1.322e+04	-1430.35	426.97	0.0	0.0	0.0	0.0	0.0	0.0

Quota	Ctg Vcls	Vrsd Vcls	Vrcd Vcls	Ctg Vac	Vrsd Vac	Vrcd Vac	Vdd	Vid	[A s.i.	Incli.	Dist.]	Vfd
cm		daN	daN		daN	daN	daN	daN	cm2	gradi	cm	daN
-300.0	1.00	787.93	3.797e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.012e+04
-270.0	1.00	787.93	3.797e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.012e+04
-240.0	1.00	782.12	3.796e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.008e+04
-225.0	1.00	729.89	3.794e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	1.005e+04
-210.0	1.00	617.27	3.791e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9950.65

-180.0	1.00	613.97	3.790e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9919.10
-150.0	1.00	591.97	3.788e+04	0.0	0.0	0.0	2.409e+04	0.0	0.0	0.0	0.0	9879.32
-120.0	1.00	558.97	9.591e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-90.0	1.00	525.97	9.587e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-60.0	1.00	492.97	9.583e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-30.0	1.00	459.97	9.579e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	1.00	426.97	9.575e+04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Quota	V[7.4.16]	N	M	V	alfaS	VRd,c	VRd,s	V[7.4.17]	roH	roV	roN
cm		daN	daN cm	daN		daN	daN				
-300.0	0.03	-3533.72	2.295e+04	787.93	0.26	1.551e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-270.0	0.03	-3550.01	2.295e+04	787.93	0.26	1.553e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-240.0	0.03	-3349.15	2.295e+04	782.12	0.26	1.534e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-225.0	0.03	-3202.76	2.295e+04	729.89	0.26	1.520e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-210.0	0.02	-2754.25	2.295e+04	617.27	0.26	1.477e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-180.0	0.02	-2611.36	2.295e+04	613.97	0.26	1.463e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-150.0	0.02	-2419.84	2.295e+04	591.97	0.26	1.445e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-120.0	0.02	-2227.08	2.098e+04	558.97	0.26	1.331e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-90.0	0.02	-2031.94	1.901e+04	525.97	0.26	1.312e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-60.0	0.02	-1833.98	1.704e+04	492.97	0.26	1.293e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
-30.0	0.02	-1633.83	1.508e+04	459.97	0.26	1.274e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0
0.0	0.02	-1430.35	1.311e+04	426.97	0.26	1.254e+04	1.168e+04	0.0	5.13e-03	7.70e-03	0.0

Quota	V[7.4.16]	V[7.4.17]
	0.03	0.0

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
31	ok	0.31	2.13e-02	2.01e-03	10.3	10.3	5.1	5.1	4.1	4.9	-10.7	119.6	50.2	0.1
32	ok	0.28	7.05e-02	1.73e-02	7.7	7.7	5.1	5.1	-45.7	-13.4	16.5	259.6	53.4	21.4
33	ok	0.28	9.33e-02	1.84e-02	7.7	7.7	5.1	5.1	-52.5	-18.4	11.8	362.7	62.1	8.4
34	ok	0.28	9.33e-02	1.84e-02	7.7	7.7	5.1	5.1	-52.6	-18.4	-11.8	362.9	62.1	-8.5
35	ok	0.28	7.06e-02	1.74e-02	7.7	7.7	5.1	5.1	-46.0	-13.4	-16.7	259.9	53.5	-21.5
36	ok	0.31	2.14e-02	2.11e-03	10.3	10.3	5.1	5.1	3.8	4.9	10.8	119.9	50.3	-7.36e-02
51	ok	0.31	5.30e-02	1.22e-02	10.3	10.3	5.1	5.1	-20.1	-22.7	15.9	23.6	141.5	17.2
52	ok	0.28	4.25e-02	1.39e-02	7.7	7.7	5.1	5.1	-31.2	-8.8	1.1	-106.4	-81.8	45.4
53	ok	0.28	4.67e-02	1.61e-02	7.7	7.7	5.1	5.1	-47.0	-9.9	-2.7	-137.3	-56.6	14.0
54	ok	0.28	4.67e-02	1.62e-02	7.7	7.7	5.1	5.1	-47.2	-9.9	2.7	-137.2	-56.6	-14.0
55	ok	0.28	4.26e-02	1.40e-02	7.7	7.7	5.1	5.1	-31.6	-8.8	-1.1	-106.3	-81.8	-45.5
56	ok	0.31	5.30e-02	1.23e-02	10.3	10.3	5.1	5.1	-20.4	-22.7	-16.0	23.8	141.6	-17.3
71	ok	0.31	4.82e-02	9.48e-03	10.3	10.3	5.1	5.1	-24.2	-17.9	-8.1	50.4	138.4	-13.3
72	ok	0.28	2.00e-02	1.18e-02	7.7	7.7	5.1	5.1	-30.8	-12.4	9.0	-13.3	-46.0	-11.5
73	ok	0.28	2.34e-02	1.33e-02	7.7	7.7	5.1	5.1	-40.2	-15.6	1.9	32.5	-32.4	7.5
74	ok	0.28	2.35e-02	1.34e-02	7.7	7.7	5.1	5.1	-40.3	-15.6	-1.9	32.5	-32.5	-7.5
75	ok	0.28	2.01e-02	1.19e-02	7.7	7.7	5.1	5.1	-31.1	-12.4	-9.0	-13.3	-46.0	11.5
76	ok	0.31	4.82e-02	9.56e-03	10.3	10.3	5.1	5.1	-24.7	-17.9	8.1	50.5	138.5	13.3
107	ok	0.31	3.77e-02	9.36e-03	10.3	10.3	5.1	5.1	-27.2	-0.7	9.1	46.4	128.5	7.4
108	ok	0.28	6.01e-02	1.27e-02	7.7	7.7	5.1	5.1	-32.5	-16.8	11.5	226.5	33.2	46.0
109	ok	0.28	8.56e-02	1.25e-02	7.7	7.7	5.1	5.1	-35.6	-22.7	6.0	349.3	24.5	26.4
110	ok	0.28	8.56e-02	1.25e-02	7.7	7.7	5.1	5.1	-35.7	-22.7	-6.0	349.2	24.5	-26.4
111	ok	0.28	6.02e-02	1.28e-02	7.7	7.7	5.1	5.1	-32.8	-16.9	-11.5	226.3	33.1	-46.0
112	ok	0.31	3.78e-02	9.53e-03	10.3	10.3	5.1	5.1	-27.7	-0.8	-9.1	46.2	128.6	-7.4
127	ok	0.31	7.22e-02	1.08e-02	10.3	10.3	5.1	5.1	-28.3	-17.7	9.8	66.6	227.6	24.6
128	ok	0.28	3.72e-02	9.94e-03	7.7	7.7	5.1	5.1	-28.4	-17.2	3.3	30.3	-20.9	105.1
129	ok	0.28	3.69e-02	9.72e-03	7.7	7.7	5.1	5.1	-27.7	-20.8	1.0	54.0	-74.3	44.9
130	ok	0.28	3.69e-02	9.75e-03	7.7	7.7	5.1	5.1	-27.8	-20.8	-1.0	54.0	-74.4	-44.9
131	ok	0.28	3.73e-02	1.00e-02	7.7	7.7	5.1	5.1	-28.7	-17.2	-3.2	30.3	-21.0	-105.2
132	ok	0.31	7.22e-02	1.09e-02	10.3	10.3	5.1	5.1	-28.9	-17.7	-9.8	66.7	227.8	-24.6
147	ok	0.31	0.1	1.25e-02	10.3	10.3	5.1	5.1	-30.0	-27.2	-5.9	67.9	454.0	8.7
148	ok	0.28	4.91e-02	1.00e-02	7.7	7.7	5.1	5.1	-25.9	-24.8	-1.0	-89.6	-64.5	87.6
149	ok	0.28	7.61e-02	9.13e-03	7.7	7.7	5.1	5.1	-26.0	-23.9	-0.3	-182.6	-221.4	43.4
150	ok	0.28	7.61e-02	9.13e-03	7.7	7.7	5.1	5.1	-26.0	-23.9	0.4	-182.5	-221.5	-43.4
151	ok	0.28	4.92e-02	1.01e-02	7.7	7.7	5.1	5.1	-26.2	-24.8	1.0	-89.6	-64.8	-87.7
152	ok	0.31	0.1	1.26e-02	10.3	10.3	5.1	5.1	-30.5	-27.2	5.9	67.9	453.9	-8.9
167	ok	0.31	0.2	1.23e-02	10.3	10.3	5.1	5.1	-31.8	-28.0	7.8	83.8	546.5	3.9
168	ok	0.28	3.07e-02	1.04e-02	7.7	7.7	5.1	5.1	-21.7	-26.6	1.6	-80.5	-54.2	11.5
169	ok	0.28	8.85e-02	9.11e-03	7.7	7.7	5.1	5.1	-22.8	-25.7	-1.0	-182.7	-274.3	11.3
170	ok	0.28	8.86e-02	9.11e-03	7.7	7.7	5.1	5.1	-22.9	-25.7	1.0	-182.7	-274.5	-11.3
171	ok	0.28	3.08e-02	1.04e-02	7.7	7.7	5.1	5.1	-22.0	-26.6	-1.6	-80.6	-54.7	-11.7
172	ok	0.31	0.2	1.24e-02	10.3	10.3	5.1	5.1	-32.3	-28.0	-7.8	83.6	545.9	-4.1
187	ok	0.28	0.2	1.09e-02	7.7	7.7	5.1	5.1	-26.5	-25.8	-4.1	86.0	506.4	-9.7
188	ok	0.28	3.07e-02	9.80e-03	7.7	7.7	5.1	5.1	-20.2	-23.2	-0.7	-53.9	-35.3	-38.5
189	ok	0.28	8.40e-02	8.46e-03	7.7	7.7	5.1	5.1	-19.3	-22.3	-1.6	-136.8	-254.8	-16.2
190	ok	0.28	8.41e-02	8.45e-03	7.7	7.7	5.1	5.1	-19.4	-22.2	1.6	-137.0	-255.1	16.2
191	ok	0.28	3.09e-02	9.82e-03	7.7	7.7	5.1	5.1	-20.4	-23.1	0.7	-54.4	-36.4	38.4
192	ok	0.28	0.2	1.09e-02	7.7	7.7	5.1	5.1	-26.9	-25.7	4.1	85.5	504.7	9.4
207	ok	0.28	0.1	8.26e-03	7.7	7.7	5.1	5.1	-20.4	-19.0	-2.9	69.2	382.6	-13.1

208	ok	0.28	3.08e-02	8.50e-03	7.7	7.7	5.1	5.1	-18.2	-16.3	-2.7	-29.5	-19.2	-68.3
209	ok	0.28	6.76e-02	7.47e-03	7.7	7.7	5.1	5.1	-19.4	-15.5	-2.5	-83.5	-192.4	-31.6
210	ok	0.28	6.75e-02	7.47e-03	7.7	7.7	5.1	5.1	-19.6	-15.3	2.4	-84.1	-192.3	31.1
211	ok	0.28	3.11e-02	8.54e-03	7.7	7.7	5.1	5.1	-18.4	-16.0	2.8	-30.9	-20.7	68.0
212	ok	0.28	0.1	8.29e-03	7.7	7.7	5.1	5.1	-20.7	-18.8	2.9	67.8	378.7	12.8
227	ok	0.28	8.12e-02	5.00e-03	7.7	7.7	5.1	5.1	-13.5	-8.3	3.4	49.5	221.1	-11.1
228	ok	0.28	2.59e-02	7.35e-03	7.7	7.7	5.1	5.1	-18.8	-9.5	-6.6	11.9	1.6	-75.6
229	ok	0.28	4.54e-02	7.63e-03	7.7	7.7	5.1	5.1	-20.6	-7.4	-3.2	-16.9	-106.9	-36.4
230	ok	0.28	4.47e-02	7.76e-03	7.7	7.7	5.1	5.1	-21.2	-6.8	2.5	-17.3	-105.5	35.1
231	ok	0.28	2.62e-02	7.53e-03	7.7	7.7	5.1	5.1	-19.4	-8.8	6.9	11.3	1.6	76.0
232	ok	0.28	7.87e-02	4.82e-03	7.7	7.7	5.1	5.1	-13.1	-7.9	-3.2	48.1	213.9	11.3
247	ok	0.28	3.61e-02	1.99e-03	7.7	7.7	5.1	5.1	-3.9	-2.8	2.5	32.4	120.6	-9.2
248	ok	0.28	2.81e-02	6.46e-03	7.7	7.7	5.1	5.1	-17.8	-2.4	-5.7	71.8	25.2	-55.2
249	ok	0.28	3.24e-02	7.85e-03	7.7	7.7	5.1	5.1	-23.4	-4.0	-3.6	106.5	-17.3	-25.8
250	ok	0.28	3.36e-02	8.44e-03	7.7	7.7	5.1	5.1	-25.8	-2.9	1.8	108.5	-14.7	24.9
251	ok	0.28	2.95e-02	7.10e-03	7.7	7.7	5.1	5.1	-19.6	-1.0	6.6	77.1	29.9	56.4
252	ok	0.28	3.29e-02	1.72e-03	7.7	7.7	5.1	5.1	2.1	0.9	2.5	50.7	58.4	12.0
303	ok	0.28	1.06e-02	1.12e-03	7.7	7.7	5.1	5.1	2.4	3.5	3.5	49.5	10.1	4.5
304	ok	0.28	4.53e-02	5.66e-03	7.7	7.7	5.1	5.1	-14.3	-2.1	5.2	189.5	44.2	15.1
305	ok	0.28	7.61e-02	7.39e-03	7.7	7.7	5.1	5.1	-20.5	-9.0	3.8	327.7	53.0	6.3
306	ok	0.28	7.76e-02	9.22e-03	7.7	7.7	5.1	5.1	-24.5	-9.6	-7.0	324.6	54.8	-6.3
307	ok	0.28	5.51e-02	6.50e-03	7.7	7.7	5.1	5.1	-19.5	-2.9	-2.8	227.7	55.7	-9.1
308	ok	0.28	1.46e-02	8.51e-04	7.7	7.7	5.1	5.1	5.9	3.4	-4.4	66.4	6.1	-10.2

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
									-52.58	-27.99	-16.72	-182.75	-274.49	-105.18
		0.31	0.16	0.02	10.26	10.26	5.13	5.13	5.94	4.92	16.53	362.91	546.47	105.09

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
31	ok	0.28						
32	ok	0.96						
33	ok	1.42						
34	ok	1.42						
35	ok	0.96						
36	ok	0.28						
51	ok	0.40						
52	ok	2.10						
53	ok	1.88						
54	ok	1.88						
55	ok	2.10						
56	ok	0.40						
71	ok	0.42						
72	ok	1.98						
73	ok	2.03						
74	ok	2.03						
75	ok	1.98						
76	ok	0.42						
107	ok	0.36						
108	ok	1.22						
109	ok	1.67						
110	ok	1.67						
111	ok	1.22						
112	ok	0.36						
127	ok	0.66						
128	ok	1.79						
129	ok	1.97						
130	ok	1.97						
131	ok	1.79						
132	ok	0.66						
147	ok	1.43						
148	ok	1.70						
149	ok	1.22						
150	ok	1.22						
151	ok	1.70						
152	ok	1.44						
167	ok	1.71						
168	ok	1.76						
169	ok	0.99						
170	ok	0.99						
171	ok	1.76						
172	ok	1.71						
187	ok	1.53						
188	ok	1.57						
189	ok	0.94						
190	ok	0.93						
191	ok	1.56						
192	ok	1.53						

207	ok	1.19						
208	ok	1.22						
209	ok	0.80						
210	ok	0.80						
211	ok	1.21						
212	ok	1.19						
227	ok	0.79						
228	ok	0.82						
229	ok	0.65						
230	ok	0.66						
231	ok	0.81						
232	ok	0.77						
247	ok	0.40						
248	ok	0.49						
249	ok	0.60						
250	ok	0.61						
251	ok	0.49						
252	ok	0.37						
303	ok	0.16						
304	ok	0.34						
305	ok	0.65						
306	ok	0.63						
307	ok	0.44						
308	ok	0.19						

Nodo		Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
		2.10						

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

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

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

Combinazioni rare

Combinazioni frequenti

Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

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

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

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

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

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

Vasca per alloggiamento impianto di sollevamento

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
122	0.32	0.54	0.0	73,73,0	0.12	0.0	0.0	73,0,0
123	0.36	0.62	0.0	76,73,0	0.14	0.0	0.0	73,0,0
124	0.53	0.86	0.0	76,73,0	0.27	0.0	0.0	73,0,0
125	0.61	0.86	0.0	76,73,0	0.27	0.0	0.0	73,0,0

126	0.64	0.85	0.0	76,73,0	0.25	0.0	0.0	75,0,0
127	0.64	0.85	0.0	76,73,0	0.24	0.0	0.0	73,0,0
128	0.62	0.85	0.0	76,73,0	0.26	0.0	0.0	73,0,0
129	0.56	0.86	0.0	76,73,0	0.26	0.0	0.0	73,0,0
130	0.41	0.69	0.0	76,73,0	0.18	0.0	0.0	73,0,0
131	0.30	0.48	0.0	73,75,0	0.10	0.0	0.0	75,0,0
132	0.32	0.54	0.0	73,75,0	0.12	0.0	0.0	75,0,0
133	0.29	0.48	0.0	73,73,0	0.11	0.0	0.0	73,0,0
134	0.31	0.43	0.0	76,73,0	0.07	0.0	0.0	75,0,0
135	0.21	0.32	0.0	76,75,0	0.04	0.0	0.0	73,0,0
136	0.56	0.86	0.0	76,73,0	0.27	0.0	0.0	75,0,0
137	0.41	0.72	0.0	76,73,0	0.20	0.0	0.0	75,0,0
138	0.64	0.85	0.0	76,75,0	0.27	0.0	0.0	75,0,0
139	0.50	0.87	0.0	76,73,0	0.28	0.0	0.0	75,0,0
140	0.68	0.84	0.0	76,75,0	0.24	0.0	0.0	75,0,0
141	0.53	0.87	0.0	76,73,0	0.28	0.0	0.0	75,0,0
142	0.68	0.84	0.0	76,75,0	0.23	0.0	0.0	75,0,0
143	0.53	0.86	0.0	76,73,0	0.27	0.0	0.0	75,0,0
144	0.68	0.84	0.0	76,75,0	0.23	0.0	0.0	75,0,0
145	0.52	0.87	0.0	76,73,0	0.28	0.0	0.0	75,0,0
146	0.65	0.84	0.0	76,75,0	0.24	0.0	0.0	75,0,0
147	0.50	0.87	0.0	76,73,0	0.28	0.0	0.0	75,0,0
148	0.62	0.86	0.0	76,75,0	0.27	0.0	0.0	75,0,0
149	0.48	0.85	0.0	76,73,0	0.27	0.0	0.0	75,0,0
150	0.53	0.86	0.0	76,75,0	0.27	0.0	0.0	75,0,0
151	0.37	0.66	0.0	76,73,0	0.16	0.0	0.0	75,0,0
152	0.26	0.36	0.0	76,73,0	0.05	0.0	0.0	73,0,0
153	0.18	0.27	0.0	76,75,0	0.0	0.0	0.0	0,0,0
154	0.23	0.36	0.0	73,76,0	0.0	0.0	0.0	0,0,0
155	0.29	0.48	0.0	73,73,0	0.0	0.0	0.0	0,0,0
156	0.31	0.53	0.0	73,75,0	0.12	0.0	0.0	75,0,0
157	0.32	0.55	0.0	73,73,0	0.13	0.0	0.0	73,0,0
158	0.34	0.57	0.0	76,73,0	0.11	0.0	0.0	74,0,0
159	0.52	0.86	0.0	76,73,0	0.28	0.0	0.0	73,0,0
160	0.60	0.86	0.0	76,73,0	0.28	0.0	0.0	73,0,0
161	0.63	0.85	0.0	76,73,0	0.25	0.0	0.0	73,0,0
162	0.63	0.85	0.0	76,73,0	0.25	0.0	0.0	73,0,0
163	0.61	0.86	0.0	76,73,0	0.27	0.0	0.0	73,0,0
164	0.55	0.86	0.0	76,73,0	0.27	0.0	0.0	73,0,0
165	0.34	0.51	0.0	76,73,0	0.10	0.0	0.0	73,0,0
166	0.30	0.47	0.0	73,75,0	0.10	0.0	0.0	75,0,0
167	0.63	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
168	0.29	0.37	0.0	73,74,0	0.0	0.0	0.0	0,0,0
169	0.32	0.47	0.0	73,75,0	0.09	0.0	0.0	75,0,0
170	0.34	0.50	0.0	73,75,0	0.10	0.0	0.0	75,0,0
171	0.34	0.49	0.0	73,75,0	0.10	0.0	0.0	75,0,0
172	0.33	0.49	0.0	73,73,0	0.10	0.0	0.0	73,0,0
173	0.33	0.50	0.0	73,73,0	0.10	0.0	0.0	73,0,0
174	0.33	0.51	0.0	73,73,0	0.10	0.0	0.0	73,0,0
175	0.27	0.37	0.0	73,73,0	0.0	0.0	0.0	0,0,0
176	0.58	0.81	0.0	73,73,0	0.27	0.0	0.0	73,0,0
177	0.63	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
178	0.58	0.80	0.0	73,73,0	0.27	0.0	0.0	73,0,0
179	0.31	0.42	0.0	73,75,0	0.09	0.0	0.0	76,0,0
180	0.19	0.26	0.0	75,73,0	0.0	0.0	0.0	0,0,0
181	0.34	0.49	0.0	73,73,0	0.09	0.0	0.0	73,0,0
182	0.25	0.43	0.0	75,73,0	0.07	0.0	0.0	73,0,0
183	0.36	0.52	0.0	73,73,0	0.10	0.0	0.0	73,0,0
184	0.28	0.51	0.0	75,73,0	0.09	0.0	0.0	73,0,0
185	0.35	0.51	0.0	73,73,0	0.10	0.0	0.0	73,0,0
186	0.28	0.55	0.0	75,73,0	0.10	0.0	0.0	73,0,0
187	0.33	0.48	0.0	73,73,0	0.10	0.0	0.0	73,0,0
188	0.28	0.55	0.0	75,73,0	0.10	0.0	0.0	73,0,0
189	0.35	0.53	0.0	73,73,0	0.11	0.0	0.0	73,0,0
190	0.28	0.54	0.0	75,73,0	0.10	0.0	0.0	73,0,0
191	0.36	0.54	0.0	73,73,0	0.11	0.0	0.0	73,0,0
192	0.28	0.51	0.0	75,73,0	0.09	0.0	0.0	73,0,0
193	0.36	0.54	0.0	73,73,0	0.11	0.0	0.0	73,0,0
194	0.27	0.50	0.0	75,73,0	0.09	0.0	0.0	73,0,0
195	0.32	0.47	0.0	73,73,0	0.09	0.0	0.0	73,0,0
196	0.23	0.38	0.0	75,73,0	0.0	0.0	0.0	0,0,0
197	0.27	0.34	0.0	73,75,0	0.0	0.0	0.0	0,0,0
198	0.15	0.18	0.0	75,73,0	0.0	0.0	0.0	0,0,0
199	0.40	0.57	0.0	73,75,0	0.12	0.0	0.0	75,0,0
200	0.58	0.81	0.0	73,73,0	0.27	0.0	0.0	73,0,0
201	0.63	0.81	0.0	73,73,0	0.25	0.0	0.0	73,0,0
202	0.63	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
203	0.30	0.37	0.0	73,74,0	0.0	0.0	0.0	0,0,0
204	0.32	0.40	0.0	73,75,0	0.07	0.0	0.0	75,0,0

205	0.33	0.42	0.0	73,73,0	0.08	0.0	0.0	75,0,0
206	0.32	0.40	0.0	73,75,0	0.07	0.0	0.0	75,0,0
207	0.32	0.45	0.0	73,73,0	0.09	0.0	0.0	73,0,0
208	0.33	0.46	0.0	73,73,0	0.09	0.0	0.0	73,0,0
209	0.33	0.48	0.0	73,73,0	0.09	0.0	0.0	73,0,0
210	0.26	0.35	0.0	73,73,0	0.0	0.0	0.0	0,0,0
211	0.58	0.81	0.0	73,73,0	0.27	0.0	0.0	73,0,0
212	0.49	0.52	0.0	73,74,0	0.12	0.0	0.0	74,0,0
213	0.39	0.46	0.0	73,75,0	0.10	0.0	0.0	75,0,0
214	0.39	0.51	0.0	73,73,0	0.10	0.0	0.0	74,0,0
215	0.74	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
216	0.37	0.43	0.0	73,73,0	0.09	0.0	0.0	73,0,0
217	0.32	0.46	0.0	73,75,0	0.09	0.0	0.0	75,0,0
218	0.41	0.58	0.0	73,75,0	0.12	0.0	0.0	75,0,0
219	0.44	0.63	0.0	73,74,0	0.16	0.0	0.0	74,0,0
220	0.44	0.63	0.0	73,74,0	0.16	0.0	0.0	74,0,0
221	0.43	0.61	0.0	73,73,0	0.14	0.0	0.0	73,0,0
222	0.35	0.50	0.0	73,73,0	0.10	0.0	0.0	73,0,0
223	0.25	0.35	0.0	73,73,0	0.0	0.0	0.0	0,0,0
224	0.65	0.80	0.0	75,75,0	0.27	0.0	0.0	73,0,0
225	0.74	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
226	0.65	0.81	0.0	75,73,0	0.27	0.0	0.0	73,0,0
227	0.38	0.46	0.0	73,75,0	0.10	0.0	0.0	75,0,0
228	0.26	0.25	0.0	73,73,0	0.0	0.0	0.0	0,0,0
229	0.33	0.47	0.0	75,73,0	0.09	0.0	0.0	73,0,0
230	0.24	0.42	0.0	75,73,0	0.07	0.0	0.0	73,0,0
231	0.42	0.62	0.0	75,75,0	0.15	0.0	0.0	75,0,0
232	0.27	0.51	0.0	75,73,0	0.09	0.0	0.0	73,0,0
233	0.46	0.67	0.0	75,75,0	0.19	0.0	0.0	75,0,0
234	0.27	0.55	0.0	75,73,0	0.10	0.0	0.0	73,0,0
235	0.46	0.67	0.0	75,75,0	0.18	0.0	0.0	75,0,0
236	0.28	0.55	0.0	75,73,0	0.10	0.0	0.0	73,0,0
237	0.46	0.68	0.0	75,75,0	0.19	0.0	0.0	75,0,0
238	0.28	0.54	0.0	75,73,0	0.10	0.0	0.0	73,0,0
239	0.43	0.65	0.0	75,75,0	0.17	0.0	0.0	75,0,0
240	0.28	0.51	0.0	75,73,0	0.09	0.0	0.0	73,0,0
241	0.41	0.61	0.0	75,75,0	0.14	0.0	0.0	75,0,0
242	0.26	0.48	0.0	75,73,0	0.09	0.0	0.0	73,0,0
243	0.31	0.45	0.0	73,73,0	0.08	0.0	0.0	73,0,0
244	0.22	0.37	0.0	75,73,0	0.0	0.0	0.0	0,0,0
245	0.30	0.33	0.0	73,75,0	0.0	0.0	0.0	0,0,0
246	0.21	0.18	0.0	73,73,0	0.0	0.0	0.0	0,0,0
247	0.51	0.73	0.0	73,75,0	0.24	0.0	0.0	75,0,0
248	0.65	0.81	0.0	75,73,0	0.27	0.0	0.0	73,0,0
249	0.72	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
250	0.72	0.80	0.0	73,73,0	0.25	0.0	0.0	73,0,0
251	0.39	0.60	0.0	73,75,0	0.13	0.0	0.0	73,0,0
252	0.41	0.59	0.0	73,73,0	0.13	0.0	0.0	74,0,0
253	0.41	0.58	0.0	73,73,0	0.13	0.0	0.0	74,0,0
254	0.34	0.47	0.0	73,73,0	0.09	0.0	0.0	73,0,0
255	0.25	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
256	0.64	0.81	0.0	75,75,0	0.27	0.0	0.0	73,0,0
257	0.77	0.78	0.0	73,73,0	0.21	0.0	0.0	73,0,0
258	0.43	0.53	0.0	73,73,0	0.11	0.0	0.0	73,0,0
259	0.31	0.43	0.0	73,75,0	0.08	0.0	0.0	75,0,0
260	0.43	0.58	0.0	73,75,0	0.12	0.0	0.0	73,0,0
261	0.49	0.70	0.0	73,74,0	0.22	0.0	0.0	74,0,0
262	0.49	0.70	0.0	73,74,0	0.21	0.0	0.0	74,0,0
263	0.46	0.64	0.0	73,74,0	0.17	0.0	0.0	74,0,0
264	0.35	0.49	0.0	73,73,0	0.10	0.0	0.0	73,0,0
265	0.24	0.27	0.0	75,73,0	0.0	0.0	0.0	0,0,0
266	0.65	0.82	0.0	75,75,0	0.25	0.0	0.0	75,0,0
267	0.77	0.78	0.0	73,73,0	0.21	0.0	0.0	73,0,0
268	0.66	0.80	0.0	75,75,0	0.25	0.0	0.0	75,0,0
269	0.43	0.54	0.0	73,75,0	0.12	0.0	0.0	75,0,0
270	0.27	0.35	0.0	73,73,0	0.0	0.0	0.0	0,0,0
271	0.33	0.46	0.0	75,75,0	0.09	0.0	0.0	75,0,0
272	0.20	0.38	0.0	75,73,0	0.0	0.0	0.0	0,0,0
273	0.44	0.62	0.0	75,75,0	0.15	0.0	0.0	75,0,0
274	0.25	0.50	0.0	75,73,0	0.09	0.0	0.0	73,0,0
275	0.51	0.77	0.0	75,76,0	0.26	0.0	0.0	75,0,0
276	0.27	0.56	0.0	75,73,0	0.10	0.0	0.0	73,0,0
277	0.51	0.77	0.0	75,76,0	0.26	0.0	0.0	75,0,0
278	0.27	0.56	0.0	76,73,0	0.10	0.0	0.0	73,0,0
279	0.51	0.75	0.0	75,76,0	0.25	0.0	0.0	75,0,0
280	0.27	0.56	0.0	75,73,0	0.10	0.0	0.0	73,0,0
281	0.46	0.65	0.0	75,75,0	0.18	0.0	0.0	75,0,0
282	0.25	0.50	0.0	75,73,0	0.09	0.0	0.0	73,0,0
283	0.41	0.60	0.0	75,75,0	0.13	0.0	0.0	75,0,0

284	0.24	0.47	0.0	75,73,0	0.08	0.0	0.0	73,0,0
285	0.29	0.42	0.0	75,75,0	0.08	0.0	0.0	75,0,0
286	0.18	0.32	0.0	75,73,0	0.0	0.0	0.0	0,0,0
287	0.33	0.36	0.0	73,75,0	0.07	0.0	0.0	75,0,0
288	0.23	0.28	0.0	73,73,0	0.0	0.0	0.0	0,0,0
289	0.55	0.79	0.0	73,75,0	0.28	0.0	0.0	75,0,0
290	0.65	0.80	0.0	75,75,0	0.25	0.0	0.0	75,0,0
291	0.73	0.80	0.0	73,73,0	0.28	0.0	0.0	75,0,0
292	0.74	0.79	0.0	73,73,0	0.22	0.0	0.0	73,0,0
293	0.45	0.70	0.0	73,73,0	0.20	0.0	0.0	73,0,0
294	0.44	0.69	0.0	73,73,0	0.18	0.0	0.0	73,0,0
295	0.44	0.64	0.0	73,73,0	0.16	0.0	0.0	73,0,0
296	0.34	0.47	0.0	73,73,0	0.09	0.0	0.0	73,0,0
297	0.23	0.26	0.0	75,73,0	0.0	0.0	0.0	0,0,0
298	0.64	0.82	0.0	75,75,0	0.25	0.0	0.0	75,0,0
299	0.37	0.56	0.0	73,73,0	0.13	0.0	0.0	73,0,0
300	0.45	0.85	0.0	74,75,0	0.27	0.0	0.0	75,0,0
301	0.36	0.67	0.0	74,73,0	0.17	0.0	0.0	73,0,0
302	0.77	0.80	0.0	73,73,0	0.21	0.0	0.0	73,0,0
303	0.43	0.60	0.0	73,73,0	0.14	0.0	0.0	73,0,0
304	0.27	0.30	0.0	73,75,0	0.0	0.0	0.0	0,0,0
305	0.43	0.57	0.0	73,74,0	0.12	0.0	0.0	74,0,0
306	0.49	0.70	0.0	73,74,0	0.21	0.0	0.0	74,0,0
307	0.49	0.70	0.0	73,74,0	0.21	0.0	0.0	74,0,0
308	0.46	0.63	0.0	73,74,0	0.17	0.0	0.0	74,0,0
309	0.33	0.37	0.0	73,74,0	0.08	0.0	0.0	74,0,0
310	0.25	0.23	0.0	73,75,0	0.0	0.0	0.0	0,0,0
311	0.70	0.84	0.0	75,75,0	0.26	0.0	0.0	75,0,0
312	0.77	0.80	0.0	73,73,0	0.22	0.0	0.0	73,0,0
313	0.65	0.82	0.0	75,75,0	0.28	0.0	0.0	73,0,0
314	0.43	0.60	0.0	73,75,0	0.14	0.0	0.0	75,0,0
315	0.29	0.43	0.0	73,73,0	0.09	0.0	0.0	73,0,0
316	0.28	0.33	0.0	75,75,0	0.0	0.0	0.0	0,0,0
317	0.28	0.53	0.0	74,73,0	0.09	0.0	0.0	73,0,0
318	0.44	0.61	0.0	75,75,0	0.15	0.0	0.0	75,0,0
319	0.40	0.75	0.0	74,73,0	0.21	0.0	0.0	73,0,0
320	0.51	0.77	0.0	75,76,0	0.26	0.0	0.0	75,0,0
321	0.45	0.85	0.0	74,73,0	0.27	0.0	0.0	73,0,0
322	0.51	0.77	0.0	75,76,0	0.26	0.0	0.0	75,0,0
323	0.45	0.85	0.0	74,73,0	0.27	0.0	0.0	73,0,0
324	0.51	0.75	0.0	75,76,0	0.25	0.0	0.0	75,0,0
325	0.44	0.84	0.0	74,73,0	0.27	0.0	0.0	73,0,0
326	0.46	0.65	0.0	75,75,0	0.17	0.0	0.0	75,0,0
327	0.41	0.55	0.0	75,75,0	0.12	0.0	0.0	75,0,0
328	0.36	0.67	0.0	74,73,0	0.16	0.0	0.0	73,0,0
329	0.22	0.29	0.0	75,75,0	0.0	0.0	0.0	0,0,0
330	0.24	0.43	0.0	74,73,0	0.08	0.0	0.0	73,0,0
331	0.36	0.47	0.0	73,75,0	0.10	0.0	0.0	75,0,0
332	0.25	0.36	0.0	73,73,0	0.0	0.0	0.0	0,0,0
333	0.55	0.81	0.0	73,75,0	0.28	0.0	0.0	75,0,0
334	0.64	0.82	0.0	75,75,0	0.28	0.0	0.0	73,0,0
335	0.74	0.81	0.0	73,75,0	0.28	0.0	0.0	75,0,0
336	0.74	0.80	0.0	73,73,0	0.22	0.0	0.0	73,0,0
337	0.45	0.66	0.0	73,73,0	0.17	0.0	0.0	73,0,0
338	0.46	0.66	0.0	73,73,0	0.18	0.0	0.0	73,0,0
339	0.44	0.62	0.0	73,73,0	0.15	0.0	0.0	73,0,0
340	0.32	0.38	0.0	73,73,0	0.08	0.0	0.0	73,0,0
341	0.24	0.22	0.0	73,75,0	0.0	0.0	0.0	0,0,0
342	0.69	0.84	0.0	75,75,0	0.27	0.0	0.0	75,0,0
343	0.49	0.63	0.0	73,73,0	0.16	0.0	0.0	73,0,0
344	0.52	0.69	0.0	73,75,0	0.20	0.0	0.0	75,0,0
345	0.60	0.66	0.0	73,74,0	0.22	0.0	0.0	74,0,0
445	0.74	0.81	0.0	73,73,0	0.23	0.0	0.0	73,0,0
446	0.42	0.57	0.0	73,73,0	0.12	0.0	0.0	73,0,0
447	0.25	0.27	0.0	74,75,0	0.0	0.0	0.0	0,0,0
448	0.40	0.53	0.0	73,74,0	0.11	0.0	0.0	74,0,0
449	0.46	0.66	0.0	73,74,0	0.18	0.0	0.0	73,0,0
450	0.46	0.66	0.0	73,74,0	0.18	0.0	0.0	73,0,0
451	0.44	0.59	0.0	73,74,0	0.13	0.0	0.0	73,0,0
452	0.32	0.34	0.0	73,73,0	0.0	0.0	0.0	0,0,0
453	0.27	0.36	0.0	73,73,0	0.0	0.0	0.0	0,0,0
454	0.74	0.83	0.0	75,73,0	0.26	0.0	0.0	73,0,0
455	0.43	0.83	0.0	73,74,0	0.26	0.0	0.0	74,0,0
456	0.09	0.13	0.0	73,75,0	0.0	0.0	0.0	0,0,0
457	0.14	0.21	0.0	74,75,0	0.0	0.0	0.0	0,0,0
458	0.15	0.23	0.0	74,75,0	0.0	0.0	0.0	0,0,0
459	0.15	0.23	0.0	74,75,0	0.0	0.0	0.0	0,0,0
460	0.14	0.21	0.0	74,75,0	0.0	0.0	0.0	0,0,0
461	0.13	0.19	0.0	74,75,0	0.0	0.0	0.0	0,0,0

462	0.11	0.15	0.0	74,73,0	0.0	0.0	0.0	0,0,0
463	0.08	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
464	0.73	0.81	0.0	73,73,0	0.23	0.0	0.0	73,0,0
465	0.50	0.69	0.0	75,75,0	0.21	0.0	0.0	75,0,0
466	0.08	0.12	0.0	75,73,0	0.0	0.0	0.0	0,0,0
467	0.42	0.58	0.0	73,75,0	0.12	0.0	0.0	75,0,0
468	0.11	0.14	0.0	74,75,0	0.0	0.0	0.0	0,0,0
469	0.26	0.32	0.0	75,75,0	0.0	0.0	0.0	0,0,0
470	0.19	0.30	0.0	74,75,0	0.0	0.0	0.0	0,0,0
471	0.42	0.59	0.0	75,75,0	0.13	0.0	0.0	75,0,0
472	0.21	0.33	0.0	73,75,0	0.0	0.0	0.0	0,0,0
473	0.49	0.75	0.0	75,75,0	0.24	0.0	0.0	75,0,0
474	0.49	0.75	0.0	75,75,0	0.24	0.0	0.0	75,0,0
475	0.48	0.73	0.0	75,75,0	0.23	0.0	0.0	75,0,0
476	0.43	0.62	0.0	75,75,0	0.15	0.0	0.0	75,0,0
477	0.38	0.52	0.0	75,75,0	0.11	0.0	0.0	76,0,0
478	0.21	0.34	0.0	74,75,0	0.0	0.0	0.0	0,0,0
479	0.22	0.26	0.0	76,75,0	0.0	0.0	0.0	0,0,0
480	0.18	0.28	0.0	74,75,0	0.0	0.0	0.0	0,0,0
481	0.35	0.46	0.0	73,75,0	0.10	0.0	0.0	75,0,0
482	0.10	0.12	0.0	74,75,0	0.0	0.0	0.0	0,0,0
483	0.54	0.81	0.0	73,75,0	0.28	0.0	0.0	75,0,0
484	0.73	0.81	0.0	73,75,0	0.28	0.0	0.0	75,0,0
485	0.08	0.11	0.0	75,73,0	0.0	0.0	0.0	0,0,0
486	0.73	0.81	0.0	73,75,0	0.23	0.0	0.0	75,0,0
487	0.45	0.59	0.0	73,73,0	0.14	0.0	0.0	73,0,0
488	0.26	0.23	0.0	73,74,0	0.0	0.0	0.0	0,0,0
489	0.41	0.50	0.0	73,74,0	0.11	0.0	0.0	74,0,0
490	0.46	0.60	0.0	73,74,0	0.15	0.0	0.0	73,0,0
491	0.45	0.60	0.0	73,74,0	0.15	0.0	0.0	73,0,0
492	0.43	0.55	0.0	73,74,0	0.12	0.0	0.0	74,0,0
493	0.31	0.32	0.0	73,74,0	0.0	0.0	0.0	0,0,0
494	0.26	0.34	0.0	73,73,0	0.0	0.0	0.0	0,0,0
495	0.09	0.12	0.0	73,75,0	0.0	0.0	0.0	0,0,0
496	0.13	0.21	0.0	74,75,0	0.0	0.0	0.0	0,0,0
497	0.15	0.22	0.0	74,75,0	0.0	0.0	0.0	0,0,0
498	0.15	0.22	0.0	74,75,0	0.0	0.0	0.0	0,0,0
499	0.14	0.20	0.0	74,75,0	0.0	0.0	0.0	0,0,0
500	0.12	0.18	0.0	74,75,0	0.0	0.0	0.0	0,0,0
501	0.10	0.14	0.0	74,75,0	0.0	0.0	0.0	0,0,0
502	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
503	0.11	0.22	0.0	74,73,0	0.0	0.0	0.0	0,0,0
504	0.12	0.21	0.0	74,73,0	0.0	0.0	0.0	0,0,0
505	0.21	0.34	0.0	73,75,0	0.0	0.0	0.0	0,0,0
506	0.11	0.18	0.0	74,73,0	0.0	0.0	0.0	0,0,0
507	0.72	0.85	0.0	75,73,0	0.27	0.0	0.0	73,0,0
508	0.42	0.80	0.0	73,74,0	0.24	0.0	0.0	74,0,0
509	0.48	0.63	0.0	75,75,0	0.17	0.0	0.0	75,0,0
510	0.11	0.23	0.0	75,75,0	0.0	0.0	0.0	0,0,0
511	0.05	0.11	0.0	74,73,0	0.0	0.0	0.0	0,0,0
512	0.05	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
513	0.21	0.34	0.0	73,75,0	0.0	0.0	0.0	0,0,0
514	0.04	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
515	0.22	0.36	0.0	73,75,0	0.0	0.0	0.0	0,0,0
516	0.04	0.04	0.0	74,73,0	0.0	0.0	0.0	0,0,0
517	0.07	0.13	0.0	75,75,0	0.0	0.0	0.0	0,0,0
518	0.20	0.32	0.0	73,75,0	0.0	0.0	0.0	0,0,0
519	0.04	0.05	0.0	74,73,0	0.0	0.0	0.0	0,0,0
520	0.68	0.83	0.0	73,75,0	0.27	0.0	0.0	75,0,0
521	0.39	0.55	0.0	73,73,0	0.12	0.0	0.0	73,0,0
522	0.24	0.27	0.0	73,75,0	0.0	0.0	0.0	0,0,0
523	0.36	0.48	0.0	73,73,0	0.10	0.0	0.0	73,0,0
524	0.41	0.58	0.0	73,73,0	0.13	0.0	0.0	73,0,0
525	0.41	0.58	0.0	73,73,0	0.13	0.0	0.0	73,0,0
526	0.39	0.53	0.0	73,73,0	0.11	0.0	0.0	74,0,0
527	0.29	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
528	0.27	0.36	0.0	73,73,0	0.0	0.0	0.0	0,0,0
529	0.59	0.84	0.0	75,73,0	0.29	0.0	0.0	73,0,0
530	0.35	0.59	0.0	73,73,0	0.13	0.0	0.0	73,0,0
531	0.10	0.11	0.0	73,74,0	0.0	0.0	0.0	0,0,0
532	0.07	0.09	0.0	75,75,0	0.0	0.0	0.0	0,0,0
533	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
534	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
535	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
536	0.06	0.08	0.0	73,75,0	0.0	0.0	0.0	0,0,0
537	0.05	0.06	0.0	73,75,0	0.0	0.0	0.0	0,0,0
538	0.18	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
539	0.68	0.83	0.0	73,75,0	0.27	0.0	0.0	75,0,0
540	0.33	0.36	0.0	75,75,0	0.0	0.0	0.0	0,0,0

541	0.18	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
542	0.39	0.57	0.0	73,75,0	0.12	0.0	0.0	75,0,0
543	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
544	0.26	0.31	0.0	76,75,0	0.0	0.0	0.0	0,0,0
545	0.10	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
546	0.38	0.55	0.0	75,75,0	0.12	0.0	0.0	75,0,0
547	0.13	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
548	0.44	0.67	0.0	75,75,0	0.18	0.0	0.0	75,0,0
549	0.44	0.67	0.0	75,75,0	0.18	0.0	0.0	75,0,0
550	0.43	0.66	0.0	75,75,0	0.17	0.0	0.0	75,0,0
551	0.39	0.57	0.0	75,75,0	0.12	0.0	0.0	75,0,0
552	0.36	0.50	0.0	75,75,0	0.11	0.0	0.0	75,0,0
553	0.11	0.16	0.0	75,75,0	0.0	0.0	0.0	0,0,0
554	0.22	0.26	0.0	76,75,0	0.0	0.0	0.0	0,0,0
555	0.09	0.13	0.0	75,75,0	0.0	0.0	0.0	0,0,0
556	0.34	0.47	0.0	75,75,0	0.10	0.0	0.0	75,0,0
557	0.06	0.07	0.0	75,75,0	0.0	0.0	0.0	0,0,0
558	0.51	0.81	0.0	73,75,0	0.28	0.0	0.0	75,0,0
559	0.68	0.83	0.0	73,75,0	0.28	0.0	0.0	75,0,0
560	0.18	0.28	0.0	75,75,0	0.0	0.0	0.0	0,0,0
561	0.68	0.83	0.0	75,75,0	0.27	0.0	0.0	75,0,0
562	0.40	0.56	0.0	73,73,0	0.12	0.0	0.0	73,0,0
563	0.23	0.24	0.0	73,75,0	0.0	0.0	0.0	0,0,0
564	0.36	0.45	0.0	73,73,0	0.09	0.0	0.0	73,0,0
565	0.41	0.55	0.0	73,73,0	0.12	0.0	0.0	73,0,0
566	0.41	0.54	0.0	73,73,0	0.12	0.0	0.0	73,0,0
567	0.38	0.49	0.0	73,73,0	0.11	0.0	0.0	74,0,0
568	0.29	0.31	0.0	73,73,0	0.0	0.0	0.0	0,0,0
569	0.26	0.35	0.0	73,73,0	0.0	0.0	0.0	0,0,0
570	0.10	0.10	0.0	73,74,0	0.0	0.0	0.0	0,0,0
571	0.07	0.09	0.0	75,75,0	0.0	0.0	0.0	0,0,0
572	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
573	0.07	0.09	0.0	73,75,0	0.0	0.0	0.0	0,0,0
574	0.07	0.08	0.0	73,75,0	0.0	0.0	0.0	0,0,0
575	0.06	0.06	0.0	73,75,0	0.0	0.0	0.0	0,0,0
576	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
577	0.18	0.26	0.0	75,75,0	0.0	0.0	0.0	0,0,0
578	0.10	0.09	0.0	75,73,0	0.0	0.0	0.0	0,0,0
579	0.12	0.37	0.0	75,73,0	0.0	0.0	0.0	0,0,0
580	0.18	0.30	0.0	75,75,0	0.0	0.0	0.0	0,0,0
581	0.17	0.26	0.0	75,75,0	0.0	0.0	0.0	0,0,0
582	0.07	0.32	0.0	76,73,0	0.0	0.0	0.0	0,0,0
583	0.55	0.84	0.0	73,73,0	0.28	0.0	0.0	73,0,0
584	0.34	0.56	0.0	73,73,0	0.13	0.0	0.0	73,0,0
585	0.28	0.26	0.0	73,75,0	0.0	0.0	0.0	0,0,0
586	0.06	0.15	0.0	76,75,0	0.0	0.0	0.0	0,0,0
587	0.05	0.11	0.0	76,73,0	0.0	0.0	0.0	0,0,0
588	0.05	0.15	0.0	76,75,0	0.0	0.0	0.0	0,0,0
589	0.58	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
590	0.32	0.47	0.0	73,73,0	0.10	0.0	0.0	73,0,0
591	0.22	0.27	0.0	73,75,0	0.0	0.0	0.0	0,0,0
592	0.29	0.40	0.0	73,73,0	0.0	0.0	0.0	0,0,0
593	0.32	0.45	0.0	73,73,0	0.10	0.0	0.0	73,0,0
594	0.32	0.45	0.0	73,73,0	0.10	0.0	0.0	73,0,0
595	0.31	0.42	0.0	73,73,0	0.09	0.0	0.0	73,0,0
596	0.25	0.31	0.0	73,73,0	0.0	0.0	0.0	0,0,0
597	0.22	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
598	0.48	0.84	0.0	73,73,0	0.28	0.0	0.0	73,0,0
599	0.32	0.56	0.0	73,73,0	0.13	0.0	0.0	73,0,0
600	0.10	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
601	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
602	0.07	0.11	0.0	73,75,0	0.0	0.0	0.0	0,0,0
603	0.08	0.11	0.0	73,75,0	0.0	0.0	0.0	0,0,0
604	0.07	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
605	0.06	0.09	0.0	73,75,0	0.0	0.0	0.0	0,0,0
606	0.05	0.07	0.0	73,75,0	0.0	0.0	0.0	0,0,0
607	0.19	0.29	0.0	75,75,0	0.0	0.0	0.0	0,0,0
608	0.58	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
609	0.16	0.09	0.0	73,75,0	0.0	0.0	0.0	0,0,0
610	0.19	0.29	0.0	75,75,0	0.0	0.0	0.0	0,0,0
611	0.32	0.50	0.0	75,75,0	0.11	0.0	0.0	75,0,0
612	0.07	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
613	0.24	0.31	0.0	75,75,0	0.0	0.0	0.0	0,0,0
614	0.10	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
615	0.31	0.45	0.0	75,75,0	0.09	0.0	0.0	75,0,0
616	0.12	0.18	0.0	75,75,0	0.0	0.0	0.0	0,0,0
617	0.34	0.51	0.0	75,75,0	0.11	0.0	0.0	75,0,0
618	0.34	0.51	0.0	75,75,0	0.11	0.0	0.0	75,0,0
619	0.34	0.51	0.0	75,75,0	0.11	0.0	0.0	75,0,0

620	0.32	0.47	0.0	75,75,0	0.10	0.0	0.0	75,0,0
621	0.29	0.43	0.0	75,75,0	0.09	0.0	0.0	75,0,0
622	0.11	0.16	0.0	75,75,0	0.0	0.0	0.0	0,0,0
623	0.21	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
624	0.09	0.13	0.0	75,75,0	0.0	0.0	0.0	0,0,0
625	0.29	0.43	0.0	75,75,0	0.09	0.0	0.0	75,0,0
626	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
627	0.42	0.69	0.0	75,75,0	0.18	0.0	0.0	75,0,0
628	0.58	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
629	0.19	0.30	0.0	75,75,0	0.0	0.0	0.0	0,0,0
630	0.58	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
631	0.32	0.47	0.0	73,73,0	0.10	0.0	0.0	73,0,0
632	0.21	0.26	0.0	73,75,0	0.0	0.0	0.0	0,0,0
633	0.29	0.38	0.0	73,73,0	0.0	0.0	0.0	0,0,0
634	0.32	0.43	0.0	73,73,0	0.09	0.0	0.0	73,0,0
635	0.32	0.43	0.0	73,73,0	0.09	0.0	0.0	73,0,0
636	0.30	0.40	0.0	73,73,0	0.0	0.0	0.0	0,0,0
637	0.25	0.29	0.0	73,73,0	0.0	0.0	0.0	0,0,0
638	0.22	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
639	0.09	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
640	0.07	0.09	0.0	75,75,0	0.0	0.0	0.0	0,0,0
641	0.07	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
642	0.09	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
643	0.13	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
644	0.07	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
645	0.05	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
646	0.19	0.29	0.0	75,75,0	0.0	0.0	0.0	0,0,0
647	0.08	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
648	0.08	0.13	0.0	73,73,0	0.0	0.0	0.0	0,0,0
649	0.16	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
650	0.13	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
651	0.06	0.14	0.0	73,73,0	0.0	0.0	0.0	0,0,0
652	0.47	0.84	0.0	73,73,0	0.28	0.0	0.0	73,0,0
653	0.31	0.54	0.0	73,73,0	0.12	0.0	0.0	73,0,0
654	0.15	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
655	0.09	0.06	0.0	74,74,0	0.0	0.0	0.0	0,0,0
656	0.05	0.11	0.0	76,73,0	0.0	0.0	0.0	0,0,0
657	0.04	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
658	0.17	0.21	0.0	75,75,0	0.0	0.0	0.0	0,0,0
659	0.05	0.08	0.0	75,76,0	0.0	0.0	0.0	0,0,0
660	0.20	0.26	0.0	75,75,0	0.0	0.0	0.0	0,0,0
661	0.04	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
662	0.04	0.09	0.0	76,73,0	0.0	0.0	0.0	0,0,0
663	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
664	0.50	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
665	0.26	0.40	0.0	75,73,0	0.0	0.0	0.0	0,0,0
666	0.19	0.26	0.0	73,75,0	0.0	0.0	0.0	0,0,0
667	0.23	0.32	0.0	73,75,0	0.0	0.0	0.0	0,0,0
668	0.24	0.34	0.0	73,73,0	0.0	0.0	0.0	0,0,0
669	0.24	0.34	0.0	73,73,0	0.0	0.0	0.0	0,0,0
670	0.24	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
671	0.21	0.27	0.0	73,73,0	0.0	0.0	0.0	0,0,0
672	0.19	0.30	0.0	73,73,0	0.0	0.0	0.0	0,0,0
673	0.40	0.75	0.0	73,73,0	0.20	0.0	0.0	73,0,0
674	0.28	0.49	0.0	73,73,0	0.0	0.0	0.0	0,0,0
675	0.08	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
676	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
677	0.07	0.11	0.0	73,75,0	0.0	0.0	0.0	0,0,0
678	0.08	0.11	0.0	73,75,0	0.0	0.0	0.0	0,0,0
679	0.07	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
680	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
681	0.04	0.06	0.0	75,75,0	0.0	0.0	0.0	0,0,0
682	0.19	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
683	0.49	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
684	0.11	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
685	0.19	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
686	0.07	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
687	0.27	0.44	0.0	75,75,0	0.0	0.0	0.0	0,0,0
688	0.06	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
689	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
690	0.21	0.28	0.0	75,75,0	0.0	0.0	0.0	0,0,0
691	0.09	0.15	0.0	73,75,0	0.0	0.0	0.0	0,0,0
692	0.24	0.35	0.0	75,75,0	0.0	0.0	0.0	0,0,0
693	0.11	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
694	0.03	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
695	0.11	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
696	0.26	0.38	0.0	75,75,0	0.0	0.0	0.0	0,0,0
697	0.03	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
698	0.10	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0

699	0.03	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
700	0.26	0.39	0.0	75,75,0	0.0	0.0	0.0	0,0,0
701	0.11	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
702	0.03	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
703	0.26	0.39	0.0	75,75,0	0.0	0.0	0.0	0,0,0
704	0.11	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
705	0.25	0.38	0.0	75,75,0	0.0	0.0	0.0	0,0,0
706	0.03	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
707	0.24	0.36	0.0	75,75,0	0.0	0.0	0.0	0,0,0
708	0.11	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
709	0.04	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
710	0.19	0.26	0.0	75,75,0	0.0	0.0	0.0	0,0,0
711	0.08	0.13	0.0	73,75,0	0.0	0.0	0.0	0,0,0
712	0.05	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
713	0.25	0.39	0.0	75,75,0	0.0	0.0	0.0	0,0,0
714	0.07	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
715	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
716	0.34	0.56	0.0	75,75,0	0.12	0.0	0.0	75,0,0
717	0.11	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
718	0.50	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
719	0.19	0.28	0.0	75,75,0	0.0	0.0	0.0	0,0,0
720	0.50	0.84	0.0	75,75,0	0.29	0.0	0.0	75,0,0
721	0.26	0.39	0.0	75,73,0	0.0	0.0	0.0	0,0,0
722	0.19	0.25	0.0	73,75,0	0.0	0.0	0.0	0,0,0
723	0.23	0.32	0.0	73,75,0	0.0	0.0	0.0	0,0,0
724	0.24	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
725	0.24	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
726	0.24	0.31	0.0	73,73,0	0.0	0.0	0.0	0,0,0
727	0.21	0.26	0.0	73,73,0	0.0	0.0	0.0	0,0,0
728	0.19	0.30	0.0	73,73,0	0.0	0.0	0.0	0,0,0
729	0.40	0.74	0.0	73,73,0	0.19	0.0	0.0	73,0,0
730	0.28	0.48	0.0	75,73,0	0.0	0.0	0.0	0,0,0
731	0.07	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
732	0.07	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
733	0.08	0.12	0.0	73,75,0	0.0	0.0	0.0	0,0,0
734	0.14	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
735	0.06	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
736	0.18	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
737	0.44	0.81	0.0	75,75,0	0.25	0.0	0.0	75,0,0
738	0.23	0.36	0.0	75,74,0	0.0	0.0	0.0	0,0,0
739	0.17	0.24	0.0	73,75,0	0.0	0.0	0.0	0,0,0
740	0.20	0.28	0.0	73,75,0	0.0	0.0	0.0	0,0,0
741	0.20	0.28	0.0	73,73,0	0.0	0.0	0.0	0,0,0
742	0.20	0.28	0.0	73,73,0	0.0	0.0	0.0	0,0,0
743	0.20	0.28	0.0	73,73,0	0.0	0.0	0.0	0,0,0
744	0.19	0.24	0.0	73,73,0	0.0	0.0	0.0	0,0,0
745	0.18	0.29	0.0	73,73,0	0.0	0.0	0.0	0,0,0
746	0.34	0.64	0.0	73,73,0	0.15	0.0	0.0	73,0,0
747	0.25	0.44	0.0	75,73,0	0.0	0.0	0.0	0,0,0
748	0.07	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
749	0.07	0.09	0.0	73,75,0	0.0	0.0	0.0	0,0,0
750	0.07	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
751	0.07	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
752	0.07	0.09	0.0	75,75,0	0.0	0.0	0.0	0,0,0
753	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
754	0.04	0.06	0.0	75,75,0	0.0	0.0	0.0	0,0,0
755	0.18	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
756	0.44	0.81	0.0	75,75,0	0.25	0.0	0.0	75,0,0
757	0.09	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
758	0.18	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
759	0.24	0.40	0.0	75,75,0	0.0	0.0	0.0	0,0,0
760	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
761	0.06	0.09	0.0	75,75,0	0.0	0.0	0.0	0,0,0
762	0.19	0.26	0.0	75,75,0	0.0	0.0	0.0	0,0,0
763	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
764	0.09	0.13	0.0	75,75,0	0.0	0.0	0.0	0,0,0
765	0.21	0.30	0.0	75,75,0	0.0	0.0	0.0	0,0,0
766	0.03	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
767	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
768	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
769	0.21	0.30	0.0	75,75,0	0.0	0.0	0.0	0,0,0
770	0.03	0.04	0.0	75,73,0	0.0	0.0	0.0	0,0,0
771	0.09	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
772	0.22	0.32	0.0	75,75,0	0.0	0.0	0.0	0,0,0
773	0.03	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
774	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
775	0.22	0.32	0.0	75,75,0	0.0	0.0	0.0	0,0,0
776	0.03	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
777	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0

778	0.22	0.32	0.0	75,75,0	0.0	0.0	0.0	0,0,0
779	0.03	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
780	0.22	0.32	0.0	75,75,0	0.0	0.0	0.0	0,0,0
781	0.03	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
782	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
783	0.18	0.26	0.0	75,76,0	0.0	0.0	0.0	0,0,0
784	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
785	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
786	0.22	0.36	0.0	75,76,0	0.0	0.0	0.0	0,0,0
787	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
788	0.06	0.07	0.0	75,75,0	0.0	0.0	0.0	0,0,0
789	0.29	0.49	0.0	75,75,0	0.11	0.0	0.0	75,0,0
790	0.09	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
791	0.46	0.84	0.0	75,75,0	0.28	0.0	0.0	75,0,0
792	0.18	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
793	0.46	0.84	0.0	75,75,0	0.28	0.0	0.0	75,0,0
794	0.23	0.35	0.0	75,73,0	0.0	0.0	0.0	0,0,0
795	0.18	0.24	0.0	73,75,0	0.0	0.0	0.0	0,0,0
796	0.20	0.28	0.0	73,75,0	0.0	0.0	0.0	0,0,0
797	0.20	0.28	0.0	73,75,0	0.0	0.0	0.0	0,0,0
798	0.20	0.28	0.0	73,73,0	0.0	0.0	0.0	0,0,0
799	0.20	0.26	0.0	73,73,0	0.0	0.0	0.0	0,0,0
800	0.19	0.23	0.0	73,73,0	0.0	0.0	0.0	0,0,0
801	0.18	0.28	0.0	73,73,0	0.0	0.0	0.0	0,0,0
802	0.34	0.63	0.0	73,73,0	0.14	0.0	0.0	73,0,0
803	0.24	0.43	0.0	75,73,0	0.0	0.0	0.0	0,0,0
804	0.06	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
805	0.06	0.09	0.0	73,75,0	0.0	0.0	0.0	0,0,0
806	0.06	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
807	0.08	0.17	0.0	73,75,0	0.0	0.0	0.0	0,0,0
808	0.07	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
809	0.17	0.26	0.0	75,75,0	0.0	0.0	0.0	0,0,0
810	0.35	0.65	0.0	75,75,0	0.15	0.0	0.0	75,0,0
811	0.20	0.33	0.0	75,74,0	0.0	0.0	0.0	0,0,0
812	0.15	0.23	0.0	73,74,0	0.0	0.0	0.0	0,0,0
813	0.16	0.23	0.0	73,75,0	0.0	0.0	0.0	0,0,0
814	0.16	0.23	0.0	73,75,0	0.0	0.0	0.0	0,0,0
815	0.16	0.22	0.0	73,73,0	0.0	0.0	0.0	0,0,0
816	0.17	0.22	0.0	73,73,0	0.0	0.0	0.0	0,0,0
817	0.16	0.21	0.0	73,73,0	0.0	0.0	0.0	0,0,0
818	0.17	0.28	0.0	73,75,0	0.0	0.0	0.0	0,0,0
819	0.29	0.53	0.0	73,75,0	0.12	0.0	0.0	75,0,0
820	0.21	0.37	0.0	75,73,0	0.0	0.0	0.0	0,0,0
821	0.06	0.06	0.0	75,75,0	0.0	0.0	0.0	0,0,0
822	0.06	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
823	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
824	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
825	0.06	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
826	0.05	0.07	0.0	75,75,0	0.0	0.0	0.0	0,0,0
827	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
828	0.16	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
829	0.35	0.65	0.0	75,75,0	0.15	0.0	0.0	75,0,0
830	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
831	0.16	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
832	0.22	0.37	0.0	73,76,0	0.0	0.0	0.0	0,0,0
833	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
834	0.06	0.08	0.0	75,73,0	0.0	0.0	0.0	0,0,0
835	0.17	0.27	0.0	75,76,0	0.0	0.0	0.0	0,0,0
836	0.03	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
837	0.08	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
838	0.17	0.24	0.0	75,73,0	0.0	0.0	0.0	0,0,0
839	0.03	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
840	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
841	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
842	0.17	0.24	0.0	75,73,0	0.0	0.0	0.0	0,0,0
843	0.03	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
844	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
845	0.17	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
846	0.03	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
847	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
848	0.18	0.26	0.0	75,73,0	0.0	0.0	0.0	0,0,0
849	0.03	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
850	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
851	0.18	0.26	0.0	75,73,0	0.0	0.0	0.0	0,0,0
852	0.02	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
853	0.19	0.27	0.0	75,73,0	0.0	0.0	0.0	0,0,0
854	0.03	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
855	0.08	0.12	0.0	75,75,0	0.0	0.0	0.0	0,0,0
856	0.17	0.27	0.0	75,76,0	0.0	0.0	0.0	0,0,0

857	0.04	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
858	0.08	0.11	0.0	75,73,0	0.0	0.0	0.0	0,0,0
859	0.20	0.34	0.0	75,76,0	0.0	0.0	0.0	0,0,0
860	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
861	0.06	0.08	0.0	75,76,0	0.0	0.0	0.0	0,0,0
862	0.25	0.43	0.0	75,75,0	0.0	0.0	0.0	0,0,0
863	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
864	0.38	0.69	0.0	75,75,0	0.16	0.0	0.0	75,0,0
865	0.16	0.25	0.0	75,75,0	0.0	0.0	0.0	0,0,0
866	0.37	0.69	0.0	75,75,0	0.16	0.0	0.0	75,0,0
867	0.20	0.31	0.0	75,74,0	0.0	0.0	0.0	0,0,0
868	0.16	0.23	0.0	73,75,0	0.0	0.0	0.0	0,0,0
869	0.17	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
870	0.17	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
871	0.16	0.21	0.0	73,75,0	0.0	0.0	0.0	0,0,0
872	0.16	0.21	0.0	73,73,0	0.0	0.0	0.0	0,0,0
873	0.16	0.20	0.0	73,73,0	0.0	0.0	0.0	0,0,0
874	0.17	0.27	0.0	73,75,0	0.0	0.0	0.0	0,0,0
875	0.28	0.52	0.0	73,75,0	0.12	0.0	0.0	75,0,0
876	0.21	0.36	0.0	75,73,0	0.0	0.0	0.0	0,0,0
877	0.06	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
878	0.06	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
879	0.06	0.08	0.0	73,75,0	0.0	0.0	0.0	0,0,0
880	0.06	0.09	0.0	73,75,0	0.0	0.0	0.0	0,0,0
881	0.08	0.05	0.0	73,75,0	0.0	0.0	0.0	0,0,0
882	0.06	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
883	0.05	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
884	0.16	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
885	0.04	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
886	0.17	0.33	0.0	75,75,0	0.0	0.0	0.0	0,0,0
887	0.15	0.27	0.0	75,74,0	0.0	0.0	0.0	0,0,0
888	0.24	0.36	0.0	74,74,0	0.06	0.0	0.0	74,0,0
889	0.31	0.47	0.0	74,74,0	0.08	0.0	0.0	74,0,0
890	0.32	0.48	0.0	74,74,0	0.08	0.0	0.0	74,0,0
891	0.31	0.48	0.0	74,74,0	0.08	0.0	0.0	76,0,0
892	0.28	0.42	0.0	74,74,0	0.07	0.0	0.0	76,0,0
893	0.23	0.36	0.0	74,76,0	0.0	0.0	0.0	0,0,0
894	0.17	0.27	0.0	74,75,0	0.0	0.0	0.0	0,0,0
895	0.16	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
896	0.11	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
897	0.07	0.10	0.0	74,76,0	0.0	0.0	0.0	0,0,0
898	0.10	0.14	0.0	74,76,0	0.0	0.0	0.0	0,0,0
899	0.11	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0
900	0.11	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0
901	0.10	0.13	0.0	76,74,0	0.0	0.0	0.0	0,0,0
902	0.09	0.11	0.0	76,74,0	0.0	0.0	0.0	0,0,0
903	0.07	0.09	0.0	76,74,0	0.0	0.0	0.0	0,0,0
904	0.09	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
905	0.17	0.33	0.0	75,75,0	0.0	0.0	0.0	0,0,0
906	0.04	0.07	0.0	75,73,0	0.0	0.0	0.0	0,0,0
907	0.09	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
908	0.17	0.30	0.0	73,75,0	0.0	0.0	0.0	0,0,0
909	0.04	0.10	0.0	75,73,0	0.0	0.0	0.0	0,0,0
910	0.10	0.14	0.0	74,74,0	0.0	0.0	0.0	0,0,0
911	0.26	0.41	0.0	74,74,0	0.07	0.0	0.0	74,0,0
912	0.04	0.10	0.0	75,73,0	0.0	0.0	0.0	0,0,0
913	0.14	0.20	0.0	74,74,0	0.0	0.0	0.0	0,0,0
914	0.35	0.54	0.0	74,74,0	0.10	0.0	0.0	74,0,0
915	0.04	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
916	0.17	0.24	0.0	74,74,0	0.0	0.0	0.0	0,0,0
917	0.18	0.26	0.0	74,74,0	0.0	0.0	0.0	0,0,0
918	0.39	0.61	0.0	74,74,0	0.15	0.0	0.0	74,0,0
919	0.03	0.05	0.0	75,73,0	0.0	0.0	0.0	0,0,0
920	0.19	0.25	0.0	74,74,0	0.0	0.0	0.0	0,0,0
921	0.39	0.61	0.0	74,74,0	0.15	0.0	0.0	74,0,0
922	0.03	0.04	0.0	75,73,0	0.0	0.0	0.0	0,0,0
923	0.19	0.26	0.0	74,74,0	0.0	0.0	0.0	0,0,0
924	0.37	0.58	0.0	74,74,0	0.13	0.0	0.0	74,0,0
925	0.03	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
926	0.18	0.26	0.0	74,74,0	0.0	0.0	0.0	0,0,0
927	0.32	0.49	0.0	74,74,0	0.08	0.0	0.0	74,0,0
928	0.27	0.43	0.0	74,74,0	0.07	0.0	0.0	74,0,0
929	0.04	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
930	0.17	0.23	0.0	74,74,0	0.0	0.0	0.0	0,0,0
931	0.17	0.29	0.0	74,75,0	0.0	0.0	0.0	0,0,0
932	0.04	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
933	0.13	0.19	0.0	74,74,0	0.0	0.0	0.0	0,0,0
934	0.16	0.28	0.0	75,76,0	0.0	0.0	0.0	0,0,0
935	0.04	0.10	0.0	75,73,0	0.0	0.0	0.0	0,0,0

936	0.09	0.12	0.0	74,74,0	0.0	0.0	0.0	0,0,0
937	0.17	0.28	0.0	75,76,0	0.0	0.0	0.0	0,0,0
938	0.04	0.06	0.0	75,74,0	0.0	0.0	0.0	0,0,0
939	0.20	0.36	0.0	75,75,0	0.0	0.0	0.0	0,0,0
940	0.09	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
941	0.20	0.37	0.0	75,75,0	0.0	0.0	0.0	0,0,0
942	0.15	0.23	0.0	75,74,0	0.0	0.0	0.0	0,0,0
943	0.18	0.27	0.0	74,74,0	0.0	0.0	0.0	0,0,0
944	0.27	0.42	0.0	74,74,0	0.07	0.0	0.0	74,0,0
945	0.32	0.50	0.0	74,74,0	0.08	0.0	0.0	74,0,0
946	0.31	0.49	0.0	74,74,0	0.08	0.0	0.0	74,0,0
947	0.29	0.44	0.0	74,74,0	0.07	0.0	0.0	76,0,0
948	0.24	0.36	0.0	74,76,0	0.06	0.0	0.0	74,0,0
949	0.18	0.27	0.0	74,76,0	0.0	0.0	0.0	0,0,0
950	0.16	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
951	0.11	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
952	0.07	0.10	0.0	74,76,0	0.0	0.0	0.0	0,0,0
953	0.10	0.14	0.0	74,76,0	0.0	0.0	0.0	0,0,0
954	0.11	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0
955	0.11	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0
956	0.10	0.12	0.0	76,76,0	0.0	0.0	0.0	0,0,0
957	0.09	0.11	0.0	76,76,0	0.0	0.0	0.0	0,0,0
958	0.07	0.09	0.0	76,74,0	0.0	0.0	0.0	0,0,0
959	0.09	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0

Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.77	0.87	0.0		0.29	0.0	0.0	

Guscio	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**
					mm	mm	mm	
1	0.09	0.24	0.0	73,73,0	0.0	0.0	0.0	0,0,0
2	0.09	0.21	0.0	73,73,0	0.0	0.0	0.0	0,0,0
3	0.12	0.21	0.0	76,73,0	0.0	0.0	0.0	0,0,0
4	0.15	0.20	0.0	76,73,0	0.0	0.0	0.0	0,0,0
5	0.16	0.23	0.0	76,76,0	0.0	0.0	0.0	0,0,0
6	0.16	0.23	0.0	76,74,0	0.0	0.0	0.0	0,0,0
7	0.16	0.21	0.0	76,74,0	0.0	0.0	0.0	0,0,0
8	0.13	0.19	0.0	76,75,0	0.0	0.0	0.0	0,0,0
9	0.10	0.19	0.0	73,75,0	0.0	0.0	0.0	0,0,0
10	0.09	0.23	0.0	73,73,0	0.0	0.0	0.0	0,0,0
11	0.10	0.21	0.0	73,73,0	0.0	0.0	0.0	0,0,0
12	0.08	0.13	0.0	73,73,0	0.0	0.0	0.0	0,0,0
13	0.09	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
14	0.10	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
15	0.11	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
16	0.11	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
17	0.11	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
18	0.10	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
19	0.08	0.11	0.0	73,73,0	0.0	0.0	0.0	0,0,0
20	0.08	0.19	0.0	73,75,0	0.0	0.0	0.0	0,0,0
21	0.13	0.21	0.0	76,73,0	0.0	0.0	0.0	0,0,0
22	0.10	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
23	0.07	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
24	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
25	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
26	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
27	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
28	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
29	0.07	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
30	0.08	0.17	0.0	73,75,0	0.0	0.0	0.0	0,0,0
31	0.16	0.22	0.0	76,74,0	0.0	0.0	0.0	0,0,0
32	0.11	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
33	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
34	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
35	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
36	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
37	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
38	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
39	0.08	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
40	0.11	0.14	0.0	76,75,0	0.0	0.0	0.0	0,0,0
41	0.18	0.25	0.0	76,74,0	0.0	0.0	0.0	0,0,0
42	0.12	0.11	0.0	73,73,0	0.0	0.0	0.0	0,0,0
43	0.08	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
44	0.06	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
45	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
46	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
47	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
48	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0

49	0.08	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
50	0.12	0.14	0.0	76,75,0	0.0	0.0	0.0	0,0,0
51	0.18	0.26	0.0	76,74,0	0.0	0.0	0.0	0,0,0
52	0.12	0.11	0.0	73,73,0	0.0	0.0	0.0	0,0,0
53	0.08	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
54	0.06	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
55	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
56	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
57	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
58	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
59	0.08	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
60	0.12	0.15	0.0	76,76,0	0.0	0.0	0.0	0,0,0
61	0.18	0.25	0.0	76,74,0	0.0	0.0	0.0	0,0,0
62	0.12	0.11	0.0	73,73,0	0.0	0.0	0.0	0,0,0
63	0.08	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
64	0.06	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
65	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
66	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
67	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
68	0.06	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
69	0.08	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
70	0.11	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0
71	0.16	0.21	0.0	76,74,0	0.0	0.0	0.0	0,0,0
72	0.11	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
73	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
74	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
75	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
76	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
77	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
78	0.06	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
79	0.08	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
80	0.10	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
81	0.16	0.23	0.0	76,74,0	0.0	0.0	0.0	0,0,0
82	0.11	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
83	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
84	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
85	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
86	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
87	0.05	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
88	0.06	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
89	0.08	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
90	0.10	0.13	0.0	76,75,0	0.0	0.0	0.0	0,0,0
91	0.12	0.18	0.0	76,73,0	0.0	0.0	0.0	0,0,0
92	0.09	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
93	0.07	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
94	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
95	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
96	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
97	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
98	0.07	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
99	0.07	0.07	0.0	73,73,0	0.0	0.0	0.0	0,0,0
100	0.08	0.17	0.0	73,75,0	0.0	0.0	0.0	0,0,0
101	0.08	0.17	0.0	73,75,0	0.0	0.0	0.0	0,0,0
102	0.08	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
103	0.09	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
104	0.10	0.08	0.0	73,73,0	0.0	0.0	0.0	0,0,0
105	0.09	0.15	0.0	73,73,0	0.0	0.0	0.0	0,0,0
106	0.11	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
107	0.11	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
108	0.10	0.09	0.0	73,73,0	0.0	0.0	0.0	0,0,0
109	0.09	0.10	0.0	73,73,0	0.0	0.0	0.0	0,0,0
110	0.08	0.12	0.0	73,73,0	0.0	0.0	0.0	0,0,0
111	0.07	0.12	0.0	73,73,0	0.0	0.0	0.0	0,0,0
112	0.09	0.22	0.0	73,73,0	0.0	0.0	0.0	0,0,0
113	0.09	0.18	0.0	73,75,0	0.0	0.0	0.0	0,0,0
114	0.12	0.18	0.0	76,75,0	0.0	0.0	0.0	0,0,0
115	0.15	0.20	0.0	76,74,0	0.0	0.0	0.0	0,0,0
116	0.16	0.22	0.0	76,74,0	0.0	0.0	0.0	0,0,0
117	0.16	0.22	0.0	76,76,0	0.0	0.0	0.0	0,0,0
118	0.15	0.20	0.0	76,73,0	0.0	0.0	0.0	0,0,0
119	0.11	0.21	0.0	76,73,0	0.0	0.0	0.0	0,0,0
120	0.09	0.21	0.0	73,73,0	0.0	0.0	0.0	0,0,0
121	0.08	0.21	0.0	73,73,0	0.0	0.0	0.0	0,0,0
346	0.06	0.49	0.0	74,73,0	0.0	0.0	0.0	0,0,0
347	0.03	0.07	0.0	75,75,0	0.0	0.0	0.0	0,0,0
348	0.03	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
349	0.03	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
350	0.03	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
351	0.03	0.02	0.0	74,74,0	0.0	0.0	0.0	0,0,0

352	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
353	0.02	0.03	0.0	74,73,0	0.0	0.0	0.0	0,0,0
354	0.01	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
355	0.05	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
356	0.03	0.18	0.0	75,75,0	0.0	0.0	0.0	0,0,0
357	0.02	0.06	0.0	76,75,0	0.0	0.0	0.0	0,0,0
358	0.02	0.02	0.0	74,74,0	0.0	0.0	0.0	0,0,0
359	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
360	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
361	0.02	1.00e-02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
362	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
363	0.03	0.04	0.0	74,73,0	0.0	0.0	0.0	0,0,0
364	0.07	0.45	0.0	74,74,0	0.0	0.0	0.0	0,0,0
365	0.04	0.27	0.0	75,75,0	0.0	0.0	0.0	0,0,0
366	0.02	0.12	0.0	74,75,0	0.0	0.0	0.0	0,0,0
367	0.02	0.06	0.0	74,74,0	0.0	0.0	0.0	0,0,0
368	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
369	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
370	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
371	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
372	0.04	0.04	0.0	73,75,0	0.0	0.0	0.0	0,0,0
373	0.08	0.54	0.0	74,74,0	0.0	0.0	0.0	0,0,0
374	0.04	0.32	0.0	75,75,0	0.0	0.0	0.0	0,0,0
375	0.02	0.16	0.0	75,75,0	0.0	0.0	0.0	0,0,0
376	0.02	0.07	0.0	74,74,0	0.0	0.0	0.0	0,0,0
377	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
378	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
379	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
380	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
381	0.04	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
382	0.09	0.57	0.0	74,74,0	0.0	0.0	0.0	0,0,0
383	0.04	0.34	0.0	75,75,0	0.0	0.0	0.0	0,0,0
384	0.02	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
385	0.02	0.07	0.0	74,74,0	0.0	0.0	0.0	0,0,0
386	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
387	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
388	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
389	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
390	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
391	0.09	0.57	0.0	74,74,0	0.0	0.0	0.0	0,0,0
392	0.04	0.34	0.0	75,75,0	0.0	0.0	0.0	0,0,0
393	0.02	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
394	0.02	0.07	0.0	74,74,0	0.0	0.0	0.0	0,0,0
395	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
396	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
397	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
398	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
399	0.05	0.06	0.0	73,73,0	0.0	0.0	0.0	0,0,0
400	0.09	0.57	0.0	74,74,0	0.0	0.0	0.0	0,0,0
401	0.04	0.34	0.0	75,75,0	0.0	0.0	0.0	0,0,0
402	0.02	0.16	0.0	75,75,0	0.0	0.0	0.0	0,0,0
403	0.02	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
404	0.02	0.04	0.0	74,74,0	0.0	0.0	0.0	0,0,0
405	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
406	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
407	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
408	0.04	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
409	0.08	0.52	0.0	74,74,0	0.0	0.0	0.0	0,0,0
410	0.04	0.31	0.0	75,75,0	0.0	0.0	0.0	0,0,0
411	0.02	0.14	0.0	74,75,0	0.0	0.0	0.0	0,0,0
412	0.02	0.07	0.0	74,74,0	0.0	0.0	0.0	0,0,0
413	0.02	0.04	0.0	74,74,0	0.0	0.0	0.0	0,0,0
414	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
415	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
416	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
417	0.04	0.04	0.0	73,75,0	0.0	0.0	0.0	0,0,0
418	0.06	0.40	0.0	74,73,0	0.0	0.0	0.0	0,0,0
419	0.03	0.24	0.0	75,75,0	0.0	0.0	0.0	0,0,0
420	0.02	0.10	0.0	74,75,0	0.0	0.0	0.0	0,0,0
421	0.02	0.06	0.0	74,74,0	0.0	0.0	0.0	0,0,0
422	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
423	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
424	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
425	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
426	0.03	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
427	0.04	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
428	0.03	0.14	0.0	75,75,0	0.0	0.0	0.0	0,0,0
429	0.02	0.04	0.0	76,74,0	0.0	0.0	0.0	0,0,0
430	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0

431	0.02	0.01	0.0	74,74,0	0.0	0.0	0.0	0,0,0
432	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
433	0.02	0.01	0.0	75,75,0	0.0	0.0	0.0	0,0,0
434	0.01	9.52e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
435	0.02	0.05	0.0	74,73,0	0.0	0.0	0.0	0,0,0
436	0.06	0.48	0.0	75,73,0	0.0	0.0	0.0	0,0,0
437	0.03	0.08	0.0	75,74,0	0.0	0.0	0.0	0,0,0
438	0.03	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
439	0.03	0.03	0.0	74,73,0	0.0	0.0	0.0	0,0,0
440	0.03	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
441	0.03	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
442	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
443	0.02	0.03	0.0	74,73,0	0.0	0.0	0.0	0,0,0
444	0.01	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
960	0.09	0.19	0.0	75,73,0	0.0	0.0	0.0	0,0,0
961	0.09	0.15	0.0	73,73,0	0.0	0.0	0.0	0,0,0
962	0.14	0.22	0.0	74,74,0	0.0	0.0	0.0	0,0,0
963	0.19	0.29	0.0	74,74,0	0.0	0.0	0.0	0,0,0
964	0.06	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
965	0.04	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
966	0.04	0.07	0.0	74,76,0	0.0	0.0	0.0	0,0,0
967	0.06	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
968	0.07	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
969	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
970	0.06	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
971	0.05	0.07	0.0	76,76,0	0.0	0.0	0.0	0,0,0
972	0.04	0.06	0.0	76,76,0	0.0	0.0	0.0	0,0,0
973	0.03	0.06	0.0	75,76,0	0.0	0.0	0.0	0,0,0
974	0.20	0.29	0.0	74,74,0	0.0	0.0	0.0	0,0,0
975	0.13	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
976	0.20	0.29	0.0	74,74,0	0.0	0.0	0.0	0,0,0
977	0.16	0.25	0.0	74,74,0	0.0	0.0	0.0	0,0,0
978	0.16	0.23	0.0	75,75,0	0.0	0.0	0.0	0,0,0
979	0.09	0.15	0.0	73,74,0	0.0	0.0	0.0	0,0,0
980	0.08	0.14	0.0	73,73,0	0.0	0.0	0.0	0,0,0
981	0.09	0.12	0.0	73,76,0	0.0	0.0	0.0	0,0,0
982	0.12	0.15	0.0	73,76,0	0.0	0.0	0.0	0,0,0
983	0.06	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
984	0.06	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
985	0.03	0.06	0.0	76,76,0	0.0	0.0	0.0	0,0,0
986	0.03	0.05	0.0	76,76,0	0.0	0.0	0.0	0,0,0
987	0.05	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
988	0.04	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
989	0.03	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
990	0.02	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
991	0.03	0.05	0.0	74,76,0	0.0	0.0	0.0	0,0,0
992	0.06	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
993	0.21	0.25	0.0	73,73,0	0.0	0.0	0.0	0,0,0
994	0.17	0.25	0.0	75,75,0	0.0	0.0	0.0	0,0,0
998	0.16	0.25	0.0	74,74,0	0.0	0.0	0.0	0,0,0
999	0.10	0.13	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1000	0.07	0.10	0.0	73,76,0	0.0	0.0	0.0	0,0,0
1001	0.08	0.11	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1002	0.06	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1003	0.07	0.11	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1007	0.04	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1008	0.03	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1009	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1010	0.03	0.04	0.0	73,74,0	0.0	0.0	0.0	0,0,0
1011	0.09	0.12	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1012	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1013	0.06	0.10	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1017	0.21	0.33	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1018	0.12	0.15	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1019	0.08	0.10	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1020	0.06	0.12	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1021	0.08	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1022	0.08	0.13	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1026	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1027	0.03	0.02	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1028	0.02	0.02	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1029	0.04	0.03	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1030	0.10	0.15	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1031	0.09	0.16	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1032	0.05	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1033	0.11	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1034	0.07	0.10	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1035	0.06	0.09	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1036	0.09	0.14	0.0	76,76,0	0.0	0.0	0.0	0,0,0

1040	0.07	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1041	0.03	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1042	0.03	0.01	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1043	0.04	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1044	0.11	0.16	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1045	0.24	0.37	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1046	0.14	0.18	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1047	0.10	0.11	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1048	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1049	0.11	0.19	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1050	0.07	0.08	0.0	74,75,0	0.0	0.0	0.0	0,0,0
1051	0.04	0.05	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1052	0.13	0.21	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1056	0.13	0.16	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1057	0.08	0.09	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1058	0.11	0.12	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1059	0.07	0.07	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1060	0.03	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1061	0.03	0.01	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1062	0.04	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1063	0.11	0.15	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1064	0.24	0.37	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1065	0.16	0.22	0.0	74,73,0	0.0	0.0	0.0	0,0,0
1066	0.11	0.14	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1067	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1068	0.12	0.19	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1069	0.13	0.21	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1070	0.10	0.12	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1071	0.08	0.08	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1072	0.09	0.10	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1073	0.07	0.06	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1074	0.03	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1075	0.03	0.01	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1076	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1077	0.11	0.16	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1078	0.11	0.11	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1079	0.04	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1083	0.24	0.36	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1084	0.26	0.44	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1085	0.11	0.15	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1086	0.10	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1087	0.09	0.09	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1088	0.04	0.05	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1089	0.10	0.11	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1090	0.08	0.10	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1091	0.05	0.06	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1092	0.11	0.18	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1093	0.12	0.18	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1097	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1098	0.03	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1099	0.03	0.01	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1100	0.04	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1101	0.11	0.16	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1102	0.22	0.42	0.0	74,73,0	0.0	0.0	0.0	0,0,0
1106	0.08	0.12	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1107	0.13	0.09	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1108	0.05	0.06	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1109	0.08	0.15	0.0	74,75,0	0.0	0.0	0.0	0,0,0
1110	0.08	0.11	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1111	0.06	0.07	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1112	0.18	0.28	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1116	0.08	0.12	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1117	0.07	0.12	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1121	0.03	0.05	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1122	0.03	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1123	0.02	0.02	0.0	73,76,0	0.0	0.0	0.0	0,0,0
1124	0.04	0.04	0.0	73,74,0	0.0	0.0	0.0	0,0,0
1125	0.10	0.14	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1126	0.10	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1127	0.06	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1131	0.10	0.20	0.0	74,73,0	0.0	0.0	0.0	0,0,0
1135	0.05	0.07	0.0	76,75,0	0.0	0.0	0.0	0,0,0
1136	0.06	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1140	0.04	0.05	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1141	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1142	0.02	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1143	0.03	0.05	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1144	0.08	0.11	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1145	0.20	0.22	0.0	74,75,0	0.0	0.0	0.0	0,0,0

1146	0.15	0.20	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1150	0.22	0.33	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1154	0.28	0.46	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1155	0.11	0.17	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1156	0.13	0.16	0.0	74,75,0	0.0	0.0	0.0	0,0,0
1157	0.08	0.15	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1158	0.14	0.22	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1159	0.05	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1160	0.05	0.08	0.0	76,75,0	0.0	0.0	0.0	0,0,0
1161	0.03	0.06	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1162	0.03	0.05	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1163	0.04	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1164	0.04	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1165	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1166	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1167	0.03	0.05	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1168	0.05	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1169	0.16	0.26	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1170	0.19	0.27	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1171	0.07	0.13	0.0	73,75,0	0.0	0.0	0.0	0,0,0
1172	0.15	0.31	0.0	74,75,0	0.0	0.0	0.0	0,0,0
1173	0.19	0.29	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1174	0.13	0.15	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1175	0.12	0.18	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1176	0.13	0.20	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1177	0.12	0.18	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1178	0.06	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1179	0.14	0.30	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1180	0.13	0.24	0.0	73,73,0	0.0	0.0	0.0	0,0,0
1181	0.11	0.18	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1182	0.17	0.25	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1183	0.20	0.29	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1184	0.20	0.29	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1185	0.18	0.27	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1186	0.15	0.23	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1187	0.12	0.19	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1188	0.06	0.13	0.0	75,75,0	0.0	0.0	0.0	0,0,0
1189	0.03	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1190	0.04	0.06	0.0	74,76,0	0.0	0.0	0.0	0,0,0
1191	0.06	0.08	0.0	74,74,0	0.0	0.0	0.0	0,0,0
1192	0.07	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1193	0.07	0.09	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1194	0.06	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1195	0.05	0.07	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1196	0.04	0.06	0.0	76,76,0	0.0	0.0	0.0	0,0,0
1197	0.03	0.06	0.0	75,76,0	0.0	0.0	0.0	0,0,0

Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.28	0.57	0.0		0.0	0.0	0.0	

Vasca di alloggiamento per impianto di derivazione

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
26	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
27	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
28	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
29	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
30	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
31	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
32	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
33	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
34	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
35	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
36	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
37	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
38	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
39	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
40	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
41	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
42	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
43	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
44	0.04	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
45	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
46	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
47	0.02	8.99e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
48	0.02	8.97e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
49	0.02	9.01e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0

50	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
51	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
52	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
53	0.02	8.91e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
54	0.02	9.00e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
55	0.02	8.88e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
56	0.02	8.97e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
57	0.02	8.90e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
58	0.02	8.99e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
59	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
60	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
61	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
62	0.02	8.90e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
63	0.02	8.88e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
64	0.02	8.91e-03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
65	0.02	0.02	0.0	74,73,0	0.0	0.0	0.0	0,0,0
66	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
67	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
68	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
69	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
70	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
71	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
72	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
73	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
74	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
75	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
76	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
77	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
78	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
79	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
80	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
81	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
82	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
83	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
84	0.05	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
85	0.03	0.04	0.0	75,75,0	0.0	0.0	0.0	0,0,0
111	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
112	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
113	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
114	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
115	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
116	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
117	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
118	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
119	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
120	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
121	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
122	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
123	0.05	0.04	0.0	73,73,0	0.0	0.0	0.0	0,0,0
124	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
125	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
126	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
127	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
128	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
129	0.05	0.05	0.0	73,73,0	0.0	0.0	0.0	0,0,0
130	0.04	0.04	0.0	76,75,0	0.0	0.0	0.0	0,0,0
131	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
132	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
133	0.03	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
134	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
135	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
136	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
137	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
138	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
139	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
140	0.03	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
141	0.03	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
142	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
143	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
144	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
145	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
146	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
147	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
148	0.03	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
149	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
150	0.07	0.08	0.0	76,76,0	0.0	0.0	0.0	0,0,0
151	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
152	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
153	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0

154	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
155	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
156	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
157	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
158	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
159	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
160	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
161	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
162	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
163	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
164	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
165	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
166	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
167	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
168	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
169	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
170	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
171	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
172	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
173	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
174	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
175	0.09	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
176	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
177	0.09	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
178	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
179	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
180	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
181	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
182	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
183	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
184	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
185	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
186	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
187	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
188	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
189	0.04	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
190	0.09	0.11	0.0	75,75,0	0.0	0.0	0.0	0,0,0
191	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
192	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
193	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
194	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
195	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
196	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
197	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
198	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
199	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
200	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
201	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
202	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
203	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
204	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
205	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
206	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
207	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
208	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
209	0.04	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
210	0.08	0.10	0.0	75,75,0	0.0	0.0	0.0	0,0,0
211	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
212	0.03	0.02	0.0	75,76,0	0.0	0.0	0.0	0,0,0
213	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
214	0.03	0.02	0.0	75,76,0	0.0	0.0	0.0	0,0,0
215	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
216	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
217	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
218	0.03	0.03	0.0	75,76,0	0.0	0.0	0.0	0,0,0
219	0.03	0.02	0.0	75,76,0	0.0	0.0	0.0	0,0,0
220	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
221	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
222	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
223	0.03	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
224	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
225	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
226	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
227	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
228	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
229	0.03	0.03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
230	0.07	0.08	0.0	75,75,0	0.0	0.0	0.0	0,0,0
231	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
232	0.02	0.02	0.0	75,76,0	0.0	0.0	0.0	0,0,0

233	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
234	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
235	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
236	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
237	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
238	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
239	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
240	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
241	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
242	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
243	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
244	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
245	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
246	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
247	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
248	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
249	0.02	0.02	0.0	75,75,0	0.0	0.0	0.0	0,0,0
250	0.04	0.05	0.0	75,75,0	0.0	0.0	0.0	0,0,0
251	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
252	0.05	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
253	0.05	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
254	0.04	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
255	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
256	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
257	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
258	0.04	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
259	0.04	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
260	0.04	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
261	0.05	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
262	0.04	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
263	0.05	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
264	0.02	0.02	0.0	74,75,0	0.0	0.0	0.0	0,0,0
265	0.02	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
266	0.02	0.02	0.0	74,75,0	0.0	0.0	0.0	0,0,0
267	0.04	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
268	0.04	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
269	0.04	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
270	0.03	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0

Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.09	0.11	0.0		0.0	0.0	0.0	

Guscio	**rRfck**	**rRfyk**	**rPfck**	**Rif. cmb**	**wR**	**wF**	**wP**	**Rif. cmb**
					mm	mm	mm	
1	0.02	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
2	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
3	0.01	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
4	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
5	0.02	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
6	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
7	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
8	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
9	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
10	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
11	0.01	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
12	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
13	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
14	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
15	0.01	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
16	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
17	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
18	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
19	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
20	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
21	0.02	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
22	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
23	0.01	0.02	0.0	76,76,0	0.0	0.0	0.0	0,0,0
24	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
25	0.02	0.04	0.0	76,76,0	0.0	0.0	0.0	0,0,0
86	0.01	0.01	0.0	75,74,0	0.0	0.0	0.0	0,0,0
87	0.01	8.63e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
88	0.01	8.09e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
89	0.01	8.63e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
90	0.01	0.01	0.0	75,74,0	0.0	0.0	0.0	0,0,0
91	0.01	8.62e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
92	0.01	7.68e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
93	0.01	7.45e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
94	0.01	7.67e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0

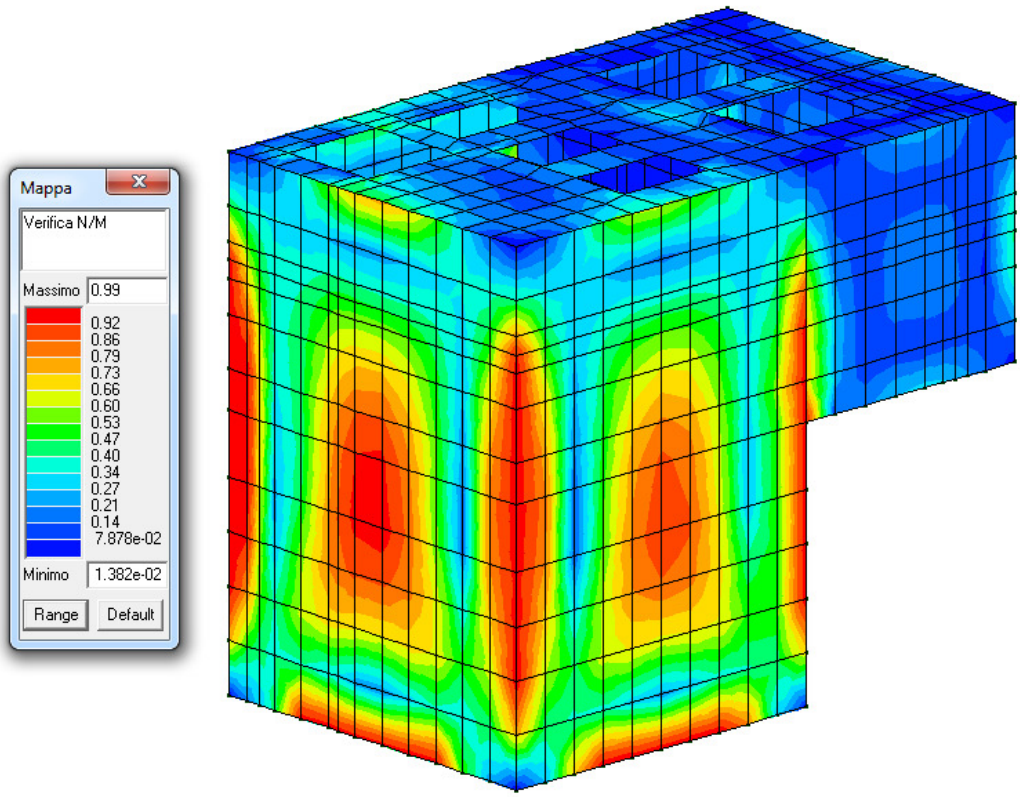
95	0.01	8.63e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
96	0.01	8.09e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
97	0.01	7.46e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
98	0.01	6.79e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
99	0.01	7.45e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
100	0.01	8.09e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
101	0.01	8.62e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
102	0.01	7.68e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
103	0.01	7.46e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
104	0.01	7.68e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
105	0.01	8.63e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
106	0.01	0.01	0.0	75,74,0	0.0	0.0	0.0	0,0,0
107	0.01	8.62e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
108	0.01	8.09e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
109	0.01	8.62e-03	0.0	75,75,0	0.0	0.0	0.0	0,0,0
110	0.01	0.01	0.0	75,74,0	0.0	0.0	0.0	0,0,0
271	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
272	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
273	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
274	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
275	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
276	0.02	0.02	0.0	74,76,0	0.0	0.0	0.0	0,0,0
277	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
278	0.02	0.02	0.0	74,76,0	0.0	0.0	0.0	0,0,0
279	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
280	0.03	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
281	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
282	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
283	0.05	0.08	0.0	74,76,0	0.0	0.0	0.0	0,0,0
284	0.03	0.05	0.0	74,76,0	0.0	0.0	0.0	0,0,0
285	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
286	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
291	0.05	0.08	0.0	74,76,0	0.0	0.0	0.0	0,0,0
292	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
297	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
298	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
299	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
304	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
305	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
310	0.03	0.04	0.0	74,76,0	0.0	0.0	0.0	0,0,0
311	0.01	0.03	0.0	74,74,0	0.0	0.0	0.0	0,0,0
312	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
313	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
314	0.02	0.03	0.0	74,76,0	0.0	0.0	0.0	0,0,0
315	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
316	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
317	0.02	0.03	0.0	76,76,0	0.0	0.0	0.0	0,0,0
318	9.94e-03	0.02	0.0	74,74,0	0.0	0.0	0.0	0,0,0
319	0.02	0.02	0.0	74,76,0	0.0	0.0	0.0	0,0,0

Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.05	0.08	0.0		0.0	0.0	0.0	

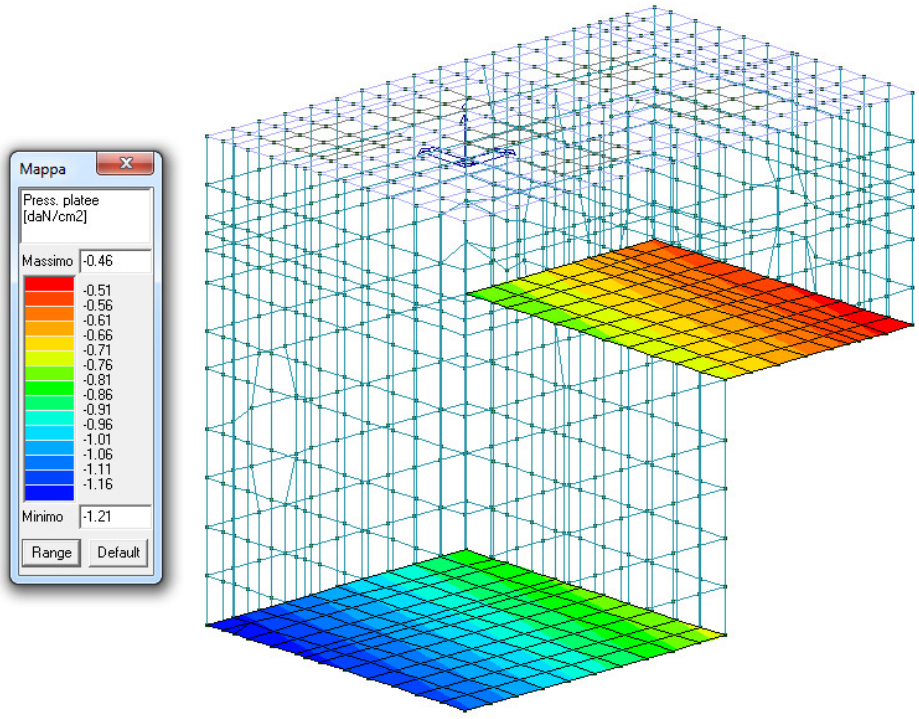
SINTESI GRAFICA DEI RISULTATI OTTENUTI

Azioni su elementi D3 – Vasca di alloggiamento per impianto di sollevamento

- **Verifica N/M**

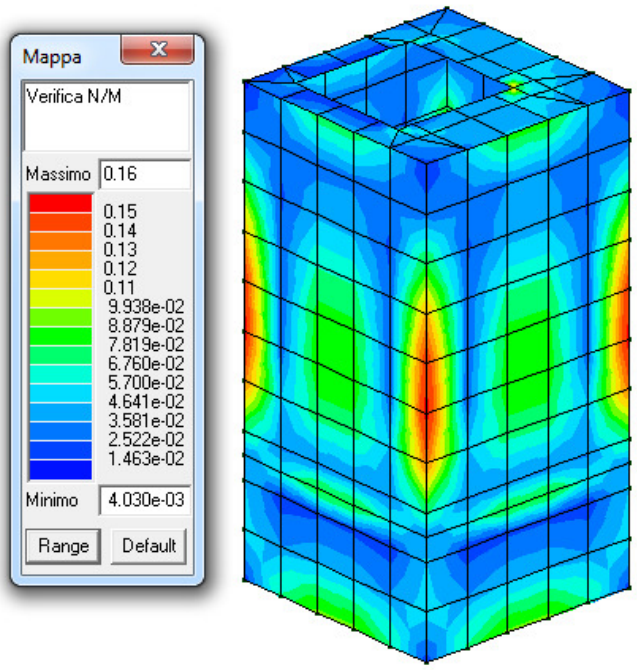


- **Pressioni allo SLU - Platea**

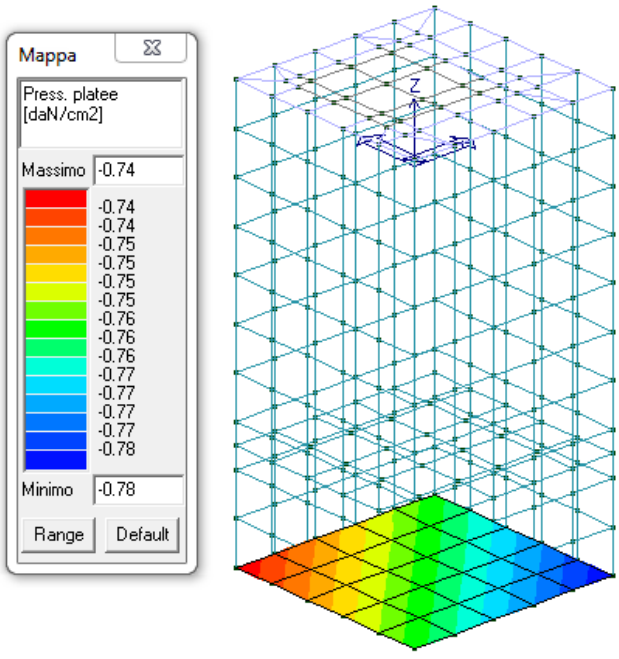


Azioni su elementi D3 – Vasca di alloggiamento per impianto di derivazione

- **Verifica N/M**



- **Pressioni allo SLU - Platea**



Il Progettista strutturale