CITTA' DI CANICATTI'

Libero Consorzio Comunale di Agrigento

"Progetto Ricostruzione sez. C Teorie 8 - 9 del vecchio cimitero - 2° Stralcio"

Progetto esecutivo

Redazione calcoli, disegni esecutivi e piano di manutenzione opere in c.a.:

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settori civile ambientale
Sez. A
N. A1913
Ordine degli Ingegneri della Provincia di Agrigento
Dott. Ing.
Diego Li Calzi

Visti e approvazioni:

CITTA' DI CANICATTI'
UFFICIO TECNICO

Parere Tecnico n° 11 del 2017

Visto si esprime parere favorevole all'approvazione del PROGETTO si [illegible] L.R. 12/07/2011 n. 12 e dell'art. 24 della [illegible] recepimento del D. L.vo 18/04/2016 n. 50 e successive modifiche ed integrazioni per l'importo complessivo di € 330.000,00

Canicattì lì 17 LUG. 2017

Il R.U.P.
Geom. Giovanni Faldetta

CITTA' DI CANICATTI - UFFICIO DIREZIONE LAVORI

Il R.U.P.:

Elaborato:	*Oggetto:*	*Scala:*
S2.2	**Fascicolo di Calcolo delle Strutture Prefabbricate - Tomo II**	-

REV. N°	DATA	DESCRIZIONE
00	Maggio 2017	Emissione

FASCICOLO DI CALCOLO

1 Fascicolo di calcolo Loculi a 3 Celle ..... 1 - 123

2 Fascicolo di calcolo Loculi a 1 Cella da 90 cm..... 124 - 223

3 Fascicolo di calcolo Loculi a 5 Celle ..... 224 - 421

4 Fascicolo di calcolo Ossari tipo A ..... 422 - 602

5 Fascicolo di calcolo Ossari tipo B ..... 603 - 760

FASCICOLO DI CALCOLO OSSARI TIPO A

GIUGNO 2017

NORMATIVA DI RIFERIMENTO....424
MATERIALI E COPRIFERRI PER STRUTTURE IN CA....426
DURABILITA' 427
CARATTERISTICHE MATERIALI UTILIZZATI....429
LEGENDA TABELLA DATI MATERIALI 429
MODELLAZIONE DELLE SEZIONI....436
LEGENDA TABELLA DATI SEZIONI 436
MODELLAZIONE STRUTTURA: NODI....438
LEGENDA TABELLA DATI NODI 438
TABELLA DATI NODI....438
MODELLAZIONE STRUTTURA: ELEMENTI SHELL....443
LEGENDA TABELLA DATI SHELL....443
MODELLAZIONE DELLE AZIONI....455
LEGENDA TABELLA DATI AZIONI....455
SCHEMATIZZAZIONE DEI CASI DI CARICO....459
LEGENDA TABELLA CASI DI CARICO....459
DEFINIZIONE DELLE COMBINAZIONI 461
LEGENDA TABELLA COMBINAZIONI DI CARICO....461
AZIONE SISMICA 468
VALUTAZIONE DELL' AZIONE SISMICA....468
Parametri della struttura....468
RISULTATI ANALISI SISMICHE 469
LEGENDA TABELLA ANALISI SISMICHE....469
RISULTATI NODALI....478
LEGENDA RISULTATI NODALI....478

RISULTATI ELEMENTI TIPO SHELL 482

LEGENDA RISULTATI ELEMENTI TIPO SHELL 482

VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A. 595

LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A. 595

STATI LIMITE D' ESERCIZIO 599

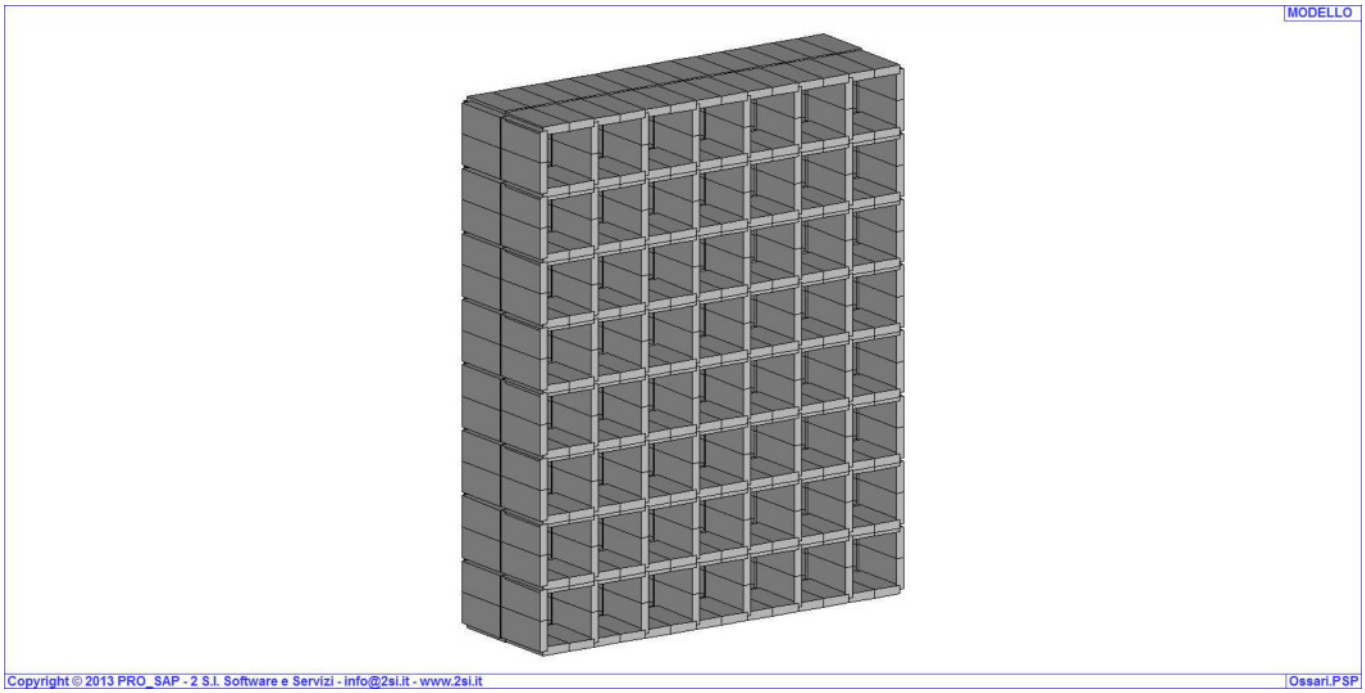
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO 599

NORMATIVA DI RIFERIMENTO

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

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

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


MODELLO
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Ossari.PSP

Fig. 1

MATERIALI E COPRIFERRI PER STRUTTURE IN CA

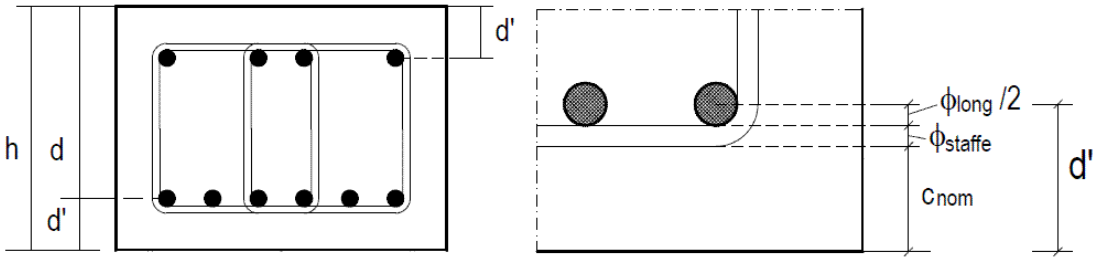
Classe di esposizione ambientale	Copriferro $c_{min,dur}$ [mm]							
	15	25	30	35	40	45	50	55
XC1		C25/30, 0.60, 300						
XC2				C25/30, 0.60, 300				
XC3				C28/35, 0.55, 320				
XC4					C32/40, 0.50, 340			
XD1						C28/35, 0.55, 320		
XD2							C35/45, 0.45, 360	
XD3								C35/45, 0.45, 360
XS1						C28/35, 0.55, 320		
XS2							C35/45, 0.45, 360	
XS3								C35/45, 0.45, 360
XF1	C28/35, 0,50, 320							
XF2 – XF3	C25/30, 0,50, 340							
XF4	C28/35, 0,45, 360							
XA1	C28/35, 0,55, 320							
XA2	C32/40, 0,50, 340							
XA3	C35/45, 0,45, 360							

50 anni

100 anni

$$c_{nom} = \max(c_{min,b}, c_{min,dur}) + 10 \ (mm) \geq 20 \ mm$$

$c_{min,b} = \phi\sqrt{n_b}$ n_b numero di barre di un eventuale gruppo di barre; per barra singola $n_b = 1$.

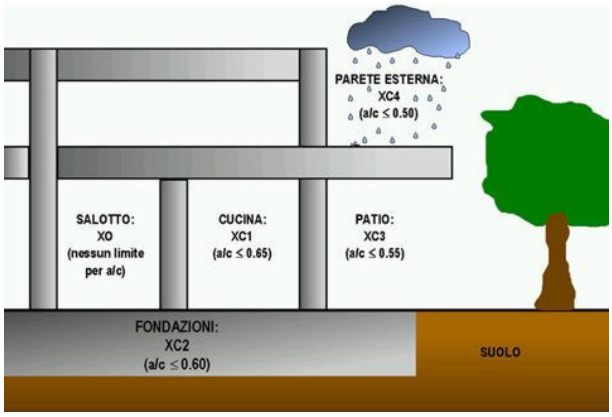


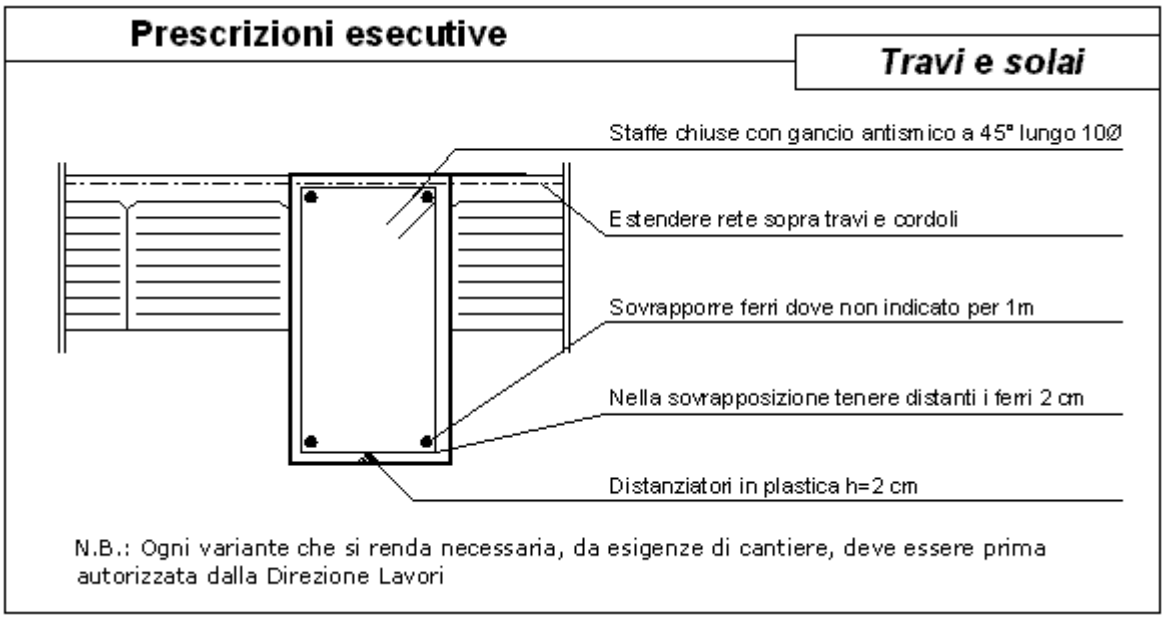
Altezze d e d'

DURABILITA'

1 Nessun rischio di corrosione o di attacco		
X0	Calcestruzzo privo di armatura o inserti metallici: tutte le esposizioni eccetto dove c'è gelo/disgelo, abrasione o attacco chimico. Calcestruzzo con armatura o inserti metallici molto asciutto.	Calcestruzzo all'interno di edifici con umidità dell'aria molto bassa.
2 Corrosione indotta da carbonatazione		
XC1	Asciutto o permanentemente bagnato	Calcestruzzo all'interno di edifici con bassa umidità relativa. Calcestruzzo costantemente immerso in acqua
XC2	Bagnato, raramente asciutto	Superfici di calcestruzzo a contatto con acqua per lungo tempo. Molte fondazioni
XC3	Umidità moderata	Calcestruzzo all'interno di edifici con umidità dell'aria moderata oppure elevata. Calcestruzzo esposto all'esterno protetto dalla pioggia
XC4	Ciclicamente bagnato e asciutto	Superfici di calcestruzzo soggette al contatto con acqua, non nella classe di esposizione XC2
3 Corrosione indotta da cloruri		
XD1	Umidità moderata	Superfici di calcestruzzo esposte a nebbia salina
XD2	Bagnato, raramente asciutto	Piscine. Calcestruzzo esposto ad acque industriali contenenti cloruri
XD3	Ciclicamente bagnato ed asciutto	Parti di ponti esposte a spruzzi contenenti cloruri Pavimentazioni stradali e di parcheggi

4 Corrosione indotta da cloruri presenti nell'acqua di mare		
XS1	Esposto a nebbia salina ma non in contatto diretto con acqua di mare	Strutture prossime oppure sulla costa
XS2	Permanentemente sommerso	Parti di strutture marine
XS3	Zone esposte alle onde, agli spruzzi oppure alle maree	Parti di strutture marine
5 Attacco di cicli gelo/disgelo		
XF1	Moderata saturazione d'acqua, senza impiego di agente antigelo	Superfici verticali di calcestruzzo esposte alla pioggia e al gelo
XF2	Moderata saturazione d'acqua, con uso di agente antigelo	Superfici verticali di calcestruzzo di strutture stradali esposte al gelo e nebbia di agenti antigelo
XF3	Elevata saturazione d'acqua, senza antigelo	Superfici orizzontali di calcestruzzo esposte alla pioggia e al gelo
XF4	Elevata saturazione d'acqua, con antigelo oppure acqua di mare	Strade e impalcati da ponte esposti agli agenti antigelo Superfici di calcestruzzo esposte direttamente a nebbia contenente agenti antigelo e al gelo
6. Attacco chimico		
XA1	Ambiente chimico debolmente aggressivo	Suoli naturali ed acqua del terreno
XA2	Ambiente chimico moderatamente aggressivo	Suoli naturali ed acqua del terreno
XA3	Ambiente chimico fortemente aggressivo	Suoli naturali ed acqua del terreno





- Sovrapporre i ferri nelle riprese per almeno 60 diametri ;
- Impiegare distanziatori in plastica o pasta di cemento per garantire un copriferro (misurato dall'esterno ferro e non dal baricentro ferro) di almeno cm 2,5 per le travi e cm 3 per i pilastri (a meno di prescrizioni superiori per esigenze di REI) ;
- Estendere la rete nella soletta dei solai fino all'esterno cordolo o travi ;
- Sovrapporre le reti di cui sopra per almeno cm 20 ;
- Ancorare i ferri aggiuntivi superiori dei solai all'esterno delle travi di bordo, curando di tenere il baricentro a circa 2.5 cm dal filo superiore del getto della caldana del solaio ;
- Nella giunzione per sovrapposizione dei ferri, non legare i due ferri fra loro, ma tenerli distanziati di almeno cm 2 (interferro).

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
3	***muratura***		
		Resist. Fk	resistenza caratteristica a compressione
		Resist. Fvko	resistenza caratteristica a taglio
4	***legno***		
		Resist. fc0k	Resistenza caratteristica (tensione amm. per REGLES) per compressione
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
59	FATTORE DI STRUTTURA
60	ACCIAIO D.M.2008

61	ACCIAIO EC3
62	GERARCHIA RESISTENZE STRUTTURE IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
73	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA IRRIGIDIMENTI TRASVERSALI
74	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI UN PIATTO DI RINFORZO SALDATO ALL'ANIMA DELLA COLONNA
75	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO CON PRESENZA DI DUE PIATTI DI RINFORZO SALDATI ALL'ANIMA DELLA COLONNA
76	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A DUE VIE SU ALI COLONNA
77	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO A UNA VIA CON DUE COMBINAZIONI DI CARICO
78	COLLEGAMENTI IN ACCIAIO: NODO TRAVE COLONNA FLANGIATO SU ANIMA SENZA RINFORZI A QUATTRO FILE DI BULLONI DI CUI UNA SU PIASTRA INFERIORE E UNA SU PIASTRA SUPERIORE
79	VERIFICA DELLA PIASTRA NODO TRAVE COLONNA
85	TELAIO ACCIAIO: CONTROVENTI CONCENTRICI

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

Test N°	Titolo
17	SOLAIO: MISTO LEGNO-CALCESTRUZZO
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
91	FATTORE DI STRUTTURA

92	VERIFICHE EC5
93	SNELLEZZE EC5
94	VERIFICA AL FUOCO DI STRUTTURE IN LEGNO SECONDO EC5
117	PROGETTO E VERIFICA DI GUSCI IN MATERIALE XLAM
118	PROGETTO E VERIFICA DI PARETI IN MATERIALE XLAM E RELATIVI COLLEGAMENTI
119	PROGETTO E VERIFICA DI SOLAI IN MATERIALE XLAM

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
3	Calcestruzzo Classe C28/35		3.260e+05	0.12	1.455e+05	2.50e-03	1.00e-05
	Rck	350.0					
	fctm	28.4					
10	acciaio Fe360 - S235		2.100e+06	0.30	8.077e+05	7.85e-03	1.00e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					
47	acciaio inf. rigi.		2.100e+09	0.30	8.077e+08	7.80e-03	1.00e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Beta assegnato	0.80					
Verifica come controvento	No					
Usa condizioni I e II	Si					
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato					
2-2 Beta assegnato	2.00					
2-2 Beta * L assegnato [cm]	0.0					
Metodo di calcolo 3-3	Assegnato					
3-3 Beta assegnato	2.00					
3-3 Beta * L assegnato [cm]	0.0					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Effetti del 2 ordine	Si					
Momenti equivalenti	Si					
Usa condizioni I e II	Si					

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	Si					
3-3 Beta assegnato	1.00					
3-3 Beta assegnato [cm]	0.0					
2-2 Beta * L automatico	Si					
2-2 Beta assegnato	1.00					
2-2 Beta * L assegnato [cm]	0.0					
1-1 Beta * L automatico	Si					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Luce di taglio per GR [cm]	1.00					
Usa condizioni I e II	Si					
Momenti equivalenti	Si					

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Composto con parete sismica					
Armatura						
Inclinazione Av [gradi]	90.00					
Angolo Av-Ao [gradi]	90.00					
Minima tesa	0.25					
Massima tesa	4.00					
Maglia unica centrale	Si					
Copriferro [cm]	3.00					
Maglia V						
diametro	5					
passo	20					
diametro aggiuntivi	8					
Maglia O						
diametro	5					
passo	20					
diametro aggiuntivi	8					
Stati limite ultimi						
Tensione fyk [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	No					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Parete sismica						
Fattore amplificazione taglio V	1.50					
Hcrit. par. 7.4.4.5.1 [cm]	0.0					
Hcrit. par. 7.4.6.1.4 [cm]	0.0					
Usa diagramma di fig. 7.4.2	Si					
Verifica come fascia	No					
Zona confinata						
Minima tesa	1.00					
Massima tesa	4.00					
Distanza barre [cm]	2.00					
Interferro	2					
Armatura inclinata						
Area barre [cm2]	0.0					
Angolo orizzontale [gradi]	0.0					
Distanza di base [cm]	0.0					
Resistenza al fuoco						
3- intradosso	No					
3+ estradosso	No					
Tempo di esposizione R	15					

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0					
Angolo Ax-Ay [gradi]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					

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

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	No					
Af inf: da q*L*L /	0.0					
Armatura						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					
Da sezione	Si					
Usa armatura teorica	No					
Stati limite ultimi						
Tensione fyk [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	Si					
Fattore di ridistribuzione	0.0					
Modello per il confinamento						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Staffe						
Diametro staffe	0.0					
Passo minimo [cm]	5.00					
Passo massimo [cm]	30.00					
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [cm]	1.00					
Adotta scorrimento medio	No					
Torsione non essenziale inclusa	Si					

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati					

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

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

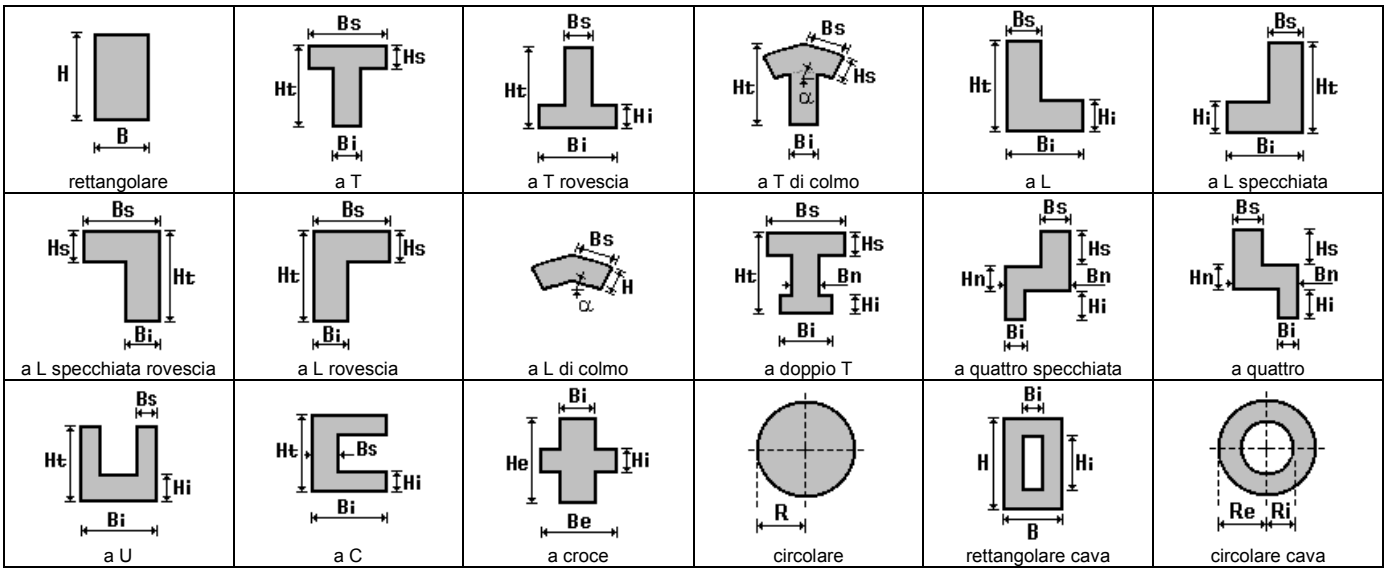
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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 soprariportati 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.



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 Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
44	VERIFICA AGLI SLU DI STRUTTURE 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.
95	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Circolare: r=0.50	0.79	0.66	0.66	0.10	0.05	0.05	0.10	0.10	0.17	0.17

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

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

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

TABELLA DATI NODI

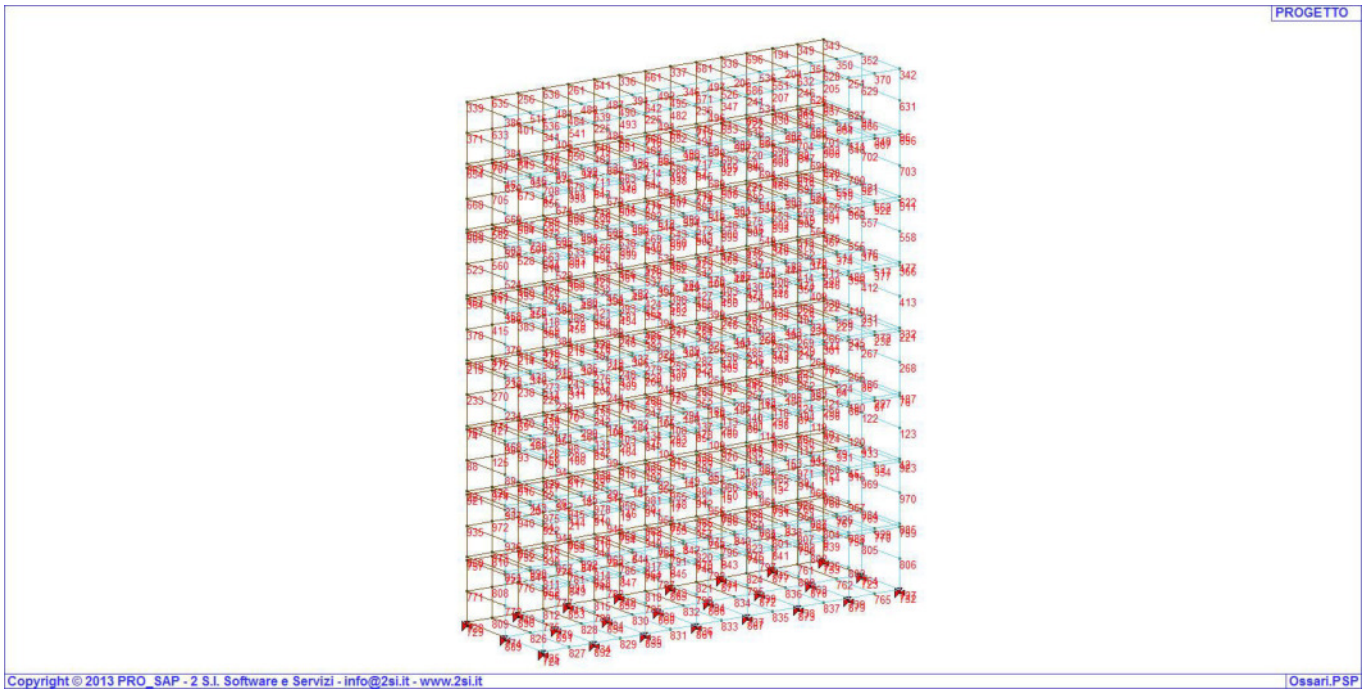
Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	242.5	466.5	38.5	2	203.5	501.5	38.5	3	242.5	501.5	38.5
4	203.5	536.5	38.5	5	242.5	536.5	38.5	6	203.5	571.5	38.5
7	242.5	571.5	38.5	8	203.5	606.5	38.5	9	242.5	606.5	38.5
10	203.5	606.5	75.0	11	242.5	606.5	75.0	12	203.5	571.5	75.0
13	242.5	571.5	75.0	14	203.5	536.5	75.0	15	242.5	536.5	75.0
16	203.5	501.5	75.0	17	242.5	501.5	75.0	18	203.5	466.5	75.0
19	242.5	466.5	75.0	20	203.5	431.5	75.0	21	242.5	431.5	75.0
22	164.5	414.0	77.0	23	203.5	414.0	77.0	24	242.5	414.0	77.0
25	164.5	449.0	77.0	26	203.5	449.0	77.0	27	242.5	449.0	77.0
28	164.5	484.0	77.0	29	203.5	484.0	77.0	30	242.5	484.0	77.0
31	164.5	519.0	77.0	32	203.5	519.0	77.0	33	242.5	519.0	77.0
34	164.5	554.0	77.0	35	203.5	554.0	77.0	36	242.5	554.0	77.0
37	164.5	589.0	77.0	38	203.5	589.0	77.0	39	242.5	589.0	77.0
40	164.5	659.0	77.0	41	203.5	659.0	77.0	42	242.5	659.0	77.0
43	164.5	624.0	77.0	44	203.5	624.0	77.0	45	242.5	624.0	77.0
46	203.5	414.0	269.5	47	242.5	414.0	269.5	48	164.5	449.0	269.5
49	203.5	449.0	269.5	50	164.5	624.0	113.5	51	242.5	449.0	269.5
52	164.5	484.0	269.5	53	203.5	484.0	269.5	54	242.5	484.0	269.5
55	164.5	519.0	269.5	56	203.5	519.0	269.5	57	242.5	519.0	269.5
58	164.5	554.0	269.5	59	203.5	554.0	269.5	60	242.5	554.0	269.5
61	164.5	589.0	269.5	62	203.5	589.0	269.5	63	242.5	449.0	113.5
64	242.5	484.0	113.5	65	242.5	519.0	113.5	66	242.5	554.0	113.5
67	242.5	589.0	113.5	68	242.5	624.0	113.5	69	164.5	449.0	113.5
70	164.5	484.0	113.5	71	164.5	519.0	113.5	72	164.5	554.0	113.5
73	164.5	589.0	113.5	74	164.5	414.0	113.5	75	242.5	414.0	113.5
76	242.5	659.0	113.5	77	164.5	659.0	113.5	78	164.5	641.5	77.0
79	203.5	641.5	77.0	80	242.5	589.0	269.5	81	164.5	659.0	269.5
82	242.5	641.5	77.0	83	164.5	641.5	113.5	84	203.5	641.5	113.5
85	203.5	624.0	113.5	86	203.5	659.0	113.5	87	242.5	641.5	113.5
88	164.5	414.0	95.3	89	203.5	414.0	95.3	90	203.5	414.0	113.5
91	203.5	659.0	269.5	92	242.5	414.0	95.3	93	164.5	449.0	95.3
94	203.5	449.0	95.3	95	203.5	449.0	113.5	96	242.5	659.0	269.5
97	242.5	449.0	95.3	98	164.5	484.0	95.3	99	203.5	484.0	95.3
100	203.5	484.0	113.5	101	164.5	624.0	269.5	102	242.5	484.0	95.3
103	164.5	519.0	95.3	104	203.5	519.0	95.3	105	203.5	519.0	113.5
106	203.5	624.0	269.5	107	242.5	519.0	95.3	108	164.5	554.0	95.3
109	203.5	554.0	95.3	110	203.5	554.0	113.5	111	242.5	624.0	269.5
112	242.5	554.0	95.3	113	164.5	589.0	95.3	114	203.5	589.0	95.3
115	203.5	589.0	113.5	116	203.5	431.5	269.5	117	242.5	589.0	95.3
118	164.5	624.0	95.3	119	203.5	624.0	95.3	120	242.5	624.0	95.3
121	164.5	659.0	95.3	122	203.5	659.0	95.3	123	242.5	659.0	95.3
124	164.5	641.5	95.3	125	164.5	431.5	95.3	126	164.5	431.5	77.0
127	164.5	431.5	113.5	128	164.5	466.5	95.3	129	164.5	466.5	77.0
130	164.5	466.5	113.5	131	164.5	501.5	95.3	132	164.5	501.5	77.0
133	164.5	501.5	113.5	134	164.5	536.5	95.3	135	164.5	536.5	77.0
136	164.5	536.5	113.5	137	164.5	571.5	95.3	138	164.5	571.5	77.0
139	164.5	571.5	113.5	140	164.5	606.5	95.3	141	164.5	606.5	77.0
142	164.5	606.5	113.5	143	203.5	431.5	77.0	144	242.5	431.5	77.0
145	203.5	466.5	77.0	146	242.5	466.5	77.0	147	203.5	501.5	77.0
148	242.5	501.5	77.0	149	203.5	536.5	77.0	150	242.5	536.5	77.0
151	203.5	571.5	77.0	152	242.5	571.5	77.0	153	203.5	606.5	77.0
154	242.5	606.5	77.0	155	203.5	606.5	113.5	156	242.5	606.5	113.5
157	203.5	571.5	113.5	158	242.5	571.5	113.5	159	203.5	536.5	113.5
160	242.5	536.5	113.5	161	203.5	501.5	113.5	162	242.5	501.5	113.5

163	203.5	466.5	113.5	164	242.5	466.5	113.5	165	203.5	431.5	113.5
166	242.5	431.5	113.5	167	164.5	414.0	115.5	168	203.5	414.0	115.5
169	242.5	414.0	115.5	170	164.5	449.0	115.5	171	203.5	449.0	115.5
172	242.5	449.0	115.5	173	164.5	484.0	115.5	174	203.5	484.0	115.5
175	242.5	484.0	115.5	176	164.5	519.0	115.5	177	203.5	519.0	115.5
178	242.5	519.0	115.5	179	164.5	554.0	115.5	180	203.5	554.0	115.5
181	242.5	554.0	115.5	182	164.5	589.0	115.5	183	203.5	589.0	115.5
184	242.5	589.0	115.5	185	164.5	659.0	115.5	186	203.5	659.0	115.5
187	242.5	659.0	115.5	188	164.5	624.0	115.5	189	203.5	624.0	115.5
190	242.5	624.0	115.5	191	242.5	431.5	269.5	192	203.5	466.5	269.5
193	242.5	466.5	269.5	194	164.5	624.0	306.0	195	164.5	624.0	152.0
196	203.5	501.5	269.5	197	242.5	501.5	269.5	198	203.5	536.5	269.5
199	242.5	536.5	269.5	200	203.5	571.5	269.5	201	242.5	571.5	269.5
202	203.5	606.5	269.5	203	242.5	606.5	269.5	204	203.5	606.5	306.0
205	242.5	606.5	306.0	206	203.5	571.5	306.0	207	242.5	571.5	306.0
208	242.5	449.0	152.0	209	242.5	484.0	152.0	210	242.5	519.0	152.0
211	242.5	554.0	152.0	212	242.5	589.0	152.0	213	242.5	624.0	152.0
214	164.5	449.0	152.0	215	164.5	484.0	152.0	216	164.5	519.0	152.0
217	164.5	554.0	152.0	218	164.5	589.0	152.0	219	164.5	414.0	152.0
220	242.5	414.0	152.0	221	242.5	659.0	152.0	222	164.5	659.0	152.0
223	164.5	641.5	115.5	224	203.5	641.5	115.5	225	242.5	449.0	306.0
226	242.5	484.0	306.0	227	242.5	641.5	115.5	228	164.5	641.5	152.0
229	203.5	641.5	152.0	230	203.5	624.0	152.0	231	203.5	659.0	152.0
232	242.5	641.5	152.0	233	164.5	414.0	133.8	234	203.5	414.0	133.8
235	203.5	414.0	152.0	236	242.5	519.0	306.0	237	242.5	414.0	133.8
238	164.5	449.0	133.8	239	203.5	449.0	133.8	240	203.5	449.0	152.0
241	242.5	554.0	306.0	242	242.5	449.0	133.8	243	164.5	484.0	133.8
244	203.5	484.0	133.8	245	203.5	484.0	152.0	246	242.5	589.0	306.0
247	242.5	484.0	133.8	248	164.5	519.0	133.8	249	203.5	519.0	133.8
250	203.5	519.0	152.0	251	242.5	624.0	306.0	252	242.5	519.0	133.8
253	164.5	554.0	133.8	254	203.5	554.0	133.8	255	203.5	554.0	152.0
256	164.5	449.0	306.0	257	242.5	554.0	133.8	258	164.5	589.0	133.8
259	203.5	589.0	133.8	260	203.5	589.0	152.0	261	164.5	484.0	306.0
262	242.5	589.0	133.8	263	164.5	624.0	133.8	264	203.5	624.0	133.8
265	242.5	624.0	133.8	266	164.5	659.0	133.8	267	203.5	659.0	133.8
268	242.5	659.0	133.8	269	164.5	641.5	133.8	270	164.5	431.5	133.8
271	164.5	431.5	115.5	272	164.5	431.5	152.0	273	164.5	466.5	133.8
274	164.5	466.5	115.5	275	164.5	466.5	152.0	276	164.5	501.5	133.8
277	164.5	501.5	115.5	278	164.5	501.5	152.0	279	164.5	536.5	133.8
280	164.5	536.5	115.5	281	164.5	536.5	152.0	282	164.5	571.5	133.8
283	164.5	571.5	115.5	284	164.5	571.5	152.0	285	164.5	606.5	133.8
286	164.5	606.5	115.5	287	164.5	606.5	152.0	288	203.5	431.5	115.5
289	242.5	431.5	115.5	290	203.5	466.5	115.5	291	242.5	466.5	115.5
292	203.5	501.5	115.5	293	242.5	501.5	115.5	294	203.5	536.5	115.5
295	242.5	536.5	115.5	296	203.5	571.5	115.5	297	242.5	571.5	115.5
298	203.5	606.5	115.5	299	242.5	606.5	115.5	300	203.5	606.5	152.0
301	242.5	606.5	152.0	302	203.5	571.5	152.0	303	242.5	571.5	152.0
304	203.5	536.5	152.0	305	242.5	536.5	152.0	306	203.5	501.5	152.0
307	242.5	501.5	152.0	308	203.5	466.5	152.0	309	242.5	466.5	152.0
310	203.5	431.5	152.0	311	242.5	431.5	152.0	312	164.5	414.0	154.0
313	203.5	414.0	154.0	314	242.5	414.0	154.0	315	164.5	449.0	154.0
316	203.5	449.0	154.0	317	242.5	449.0	154.0	318	164.5	484.0	154.0
319	203.5	484.0	154.0	320	242.5	484.0	154.0	321	164.5	519.0	154.0
322	203.5	519.0	154.0	323	242.5	519.0	154.0	324	164.5	554.0	154.0
325	203.5	554.0	154.0	326	242.5	554.0	154.0	327	164.5	589.0	154.0
328	203.5	589.0	154.0	329	242.5	589.0	154.0	330	164.5	659.0	154.0
331	203.5	659.0	154.0	332	242.5	659.0	154.0	333	164.5	624.0	154.0
334	203.5	624.0	154.0	335	242.5	624.0	154.0	336	164.5	519.0	306.0
337	164.5	554.0	306.0	338	164.5	589.0	306.0	339	164.5	414.0	306.0
340	164.5	624.0	190.5	341	242.5	414.0	306.0	342	242.5	659.0	306.0
343	164.5	659.0	306.0	344	164.5	641.5	269.5	345	203.5	641.5	269.5
346	203.5	536.5	306.0	347	242.5	536.5	306.0	348	242.5	641.5	269.5
349	164.5	641.5	306.0	350	203.5	641.5	306.0	351	203.5	624.0	306.0
352	203.5	659.0	306.0	353	242.5	449.0	190.5	354	242.5	484.0	190.5
355	242.5	519.0	190.5	356	242.5	554.0	190.5	357	242.5	589.0	190.5
358	242.5	624.0	190.5	359	164.5	449.0	190.5	360	164.5	484.0	190.5
361	164.5	519.0	190.5	362	164.5	554.0	190.5	363	164.5	589.0	190.5
364	164.5	414.0	190.5	365	242.5	414.0	190.5	366	242.5	659.0	190.5
367	164.5	659.0	190.5	368	164.5	641.5	154.0	369	203.5	641.5	154.0
370	242.5	641.5	306.0	371	164.5	414.0	287.8	372	242.5	641.5	154.0
373	164.5	641.5	190.5	374	203.5	641.5	190.5	375	203.5	624.0	190.5
376	203.5	659.0	190.5	377	242.5	641.5	190.5	378	164.5	414.0	172.3
379	203.5	414.0	172.3	380	203.5	414.0	190.5	381	203.5	414.0	287.8
382	242.5	414.0	172.3	383	164.5	449.0	172.3	384	203.5	449.0	172.3
385	203.5	449.0	190.5	386	203.5	414.0	306.0	387	242.5	449.0	172.3
388	164.5	484.0	172.3	389	203.5	484.0	172.3	390	203.5	484.0	190.5
391	203.5	501.5	306.0	392	242.5	484.0	172.3	393	164.5	519.0	172.3
394	203.5	519.0	172.3	395	203.5	519.0	190.5	396	242.5	414.0	287.8
397	242.5	519.0	172.3	398	164.5	554.0	172.3	399	203.5	554.0	172.3
400	203.5	554.0	190.5	401	164.5	449.0	287.8	402	242.5	554.0	172.3
403	164.5	589.0	172.3	404	203.5	589.0	172.3	405	203.5	589.0	190.5
406	203.5	449.0	287.8	407	242.5	589.0	172.3	408	164.5	624.0	172.3
409	203.5	624.0	172.3	410	242.5	624.0	172.3	411	164.5	659.0	172.3
412	203.5	659.0	172.3	413	242.5	659.0	172.3	414	164.5	641.5	172.3
415	164.5	431.5	172.3	416	164.5	431.5	154.0	417	164.5	431.5	190.5
418	164.5	466.5	172.3	419	164.5	466.5	154.0	420	164.5	466.5	190.5
421	164.5	501.5	172.3	422	164.5	501.5	154.0	423	164.5	501.5	190.5
424	164.5	536.5	172.3	425	164.5	536.5	154.0	426	164.5	536.5	190.5
427	164.5	571.5	172.3	428	164.5	571.5	154.0	429	164.5	571.5	190.5
430	164.5	606.5	172.3	431	164.5	606.5	154.0	432	164.5	606.5	190.5
433	203.5	431.5	154.0	434	242.5	431.5	154.0	435	203.5	466.5	154.0
436	242.5	466.5	154.0	437	203.5	501.5	154.0	438	242.5	501.5	154.0
439	203.5	536.5	154.0	440	242.5	536.5	154.0	441	203.5	571.5	154.0
442	242.5	571.5	154.0	443	203.5	606.5	154.0	444	242.5	606.5	154.0
445	203.5	606.5	190.5	446	242.5	606.5	190.5	447	203.5	571.5	190.5
448	242.5	571.5	190.5	449	203.5	536.5	190.5	450	242.5	536.5	190.5
451	203.5	501.5	190.5	452	242.5	501.5	190.5	453	203.5	466.5	190.5
454	242.5	466.5	190.5	455	203.5	431.5	190.5	456	242.5	431.5	190.5
457	164.5	414.0	192.5	458	203.5	414.0	192.5	459	242.5	414.0	192.5
460	164.5	449.0	192.5	461	203.5	449.0	192.5	462	242.5	449.0	192.5
463	164.5	484.0	192.5	464	203.5	484.0	192.5	465	242.5	484.0	192.5

466	164.5	519.0	192.5	467	203.5	519.0	192.5	468	242.5	519.0	192.5
469	164.5	554.0	192.5	470	203.5	554.0	192.5	471	242.5	554.0	192.5
472	164.5	589.0	192.5	473	203.5	589.0	192.5	474	242.5	589.0	192.5
475	164.5	659.0	192.5	476	203.5	659.0	192.5	477	242.5	659.0	192.5
478	164.5	624.0	192.5	479	203.5	624.0	192.5	480	242.5	624.0	192.5
481	203.5	449.0	306.0	482	242.5	501.5	306.0	483	242.5	449.0	287.8
484	164.5	484.0	287.8	485	164.5	624.0	229.0	486	203.5	484.0	287.8
487	203.5	484.0	306.0	488	203.5	466.5	306.0	489	242.5	484.0	287.8
490	164.5	519.0	287.8	491	203.5	519.0	287.8	492	203.5	519.0	306.0
493	242.5	466.5	306.0	494	242.5	519.0	287.8	495	164.5	554.0	287.8
496	203.5	554.0	287.8	497	203.5	554.0	306.0	498	242.5	449.0	229.0
499	242.5	484.0	229.0	500	242.5	519.0	229.0	501	242.5	554.0	229.0
502	242.5	589.0	229.0	503	242.5	624.0	229.0	504	164.5	449.0	229.0
505	164.5	484.0	229.0	506	164.5	519.0	229.0	507	164.5	554.0	229.0
508	164.5	589.0	229.0	509	164.5	414.0	229.0	510	242.5	414.0	229.0
511	242.5	659.0	229.0	512	164.5	659.0	229.0	513	164.5	641.5	192.5
514	203.5	641.5	192.5	515	203.5	431.5	306.0	516	242.5	554.0	287.8
517	242.5	641.5	192.5	518	164.5	641.5	229.0	519	203.5	641.5	229.0
520	203.5	624.0	229.0	521	203.5	659.0	229.0	522	242.5	641.5	229.0
523	164.5	414.0	210.8	524	203.5	414.0	210.8	525	203.5	414.0	229.0
526	164.5	589.0	287.8	527	242.5	414.0	210.8	528	164.5	449.0	210.8
529	203.5	449.0	210.8	530	203.5	449.0	229.0	531	203.5	589.0	287.8
532	242.5	449.0	210.8	533	164.5	484.0	210.8	534	203.5	484.0	210.8
535	203.5	484.0	229.0	536	203.5	589.0	306.0	537	242.5	484.0	210.8
538	164.5	519.0	210.8	539	203.5	519.0	210.8	540	203.5	519.0	229.0
541	242.5	431.5	306.0	542	242.5	519.0	210.8	543	164.5	554.0	210.8
544	203.5	554.0	210.8	545	203.5	554.0	229.0	546	242.5	589.0	287.8
547	242.5	554.0	210.8	548	164.5	589.0	210.8	549	203.5	589.0	210.8
550	203.5	589.0	229.0	551	164.5	624.0	287.8	552	242.5	589.0	210.8
553	164.5	624.0	210.8	554	203.5	624.0	210.8	555	242.5	624.0	210.8
556	164.5	659.0	210.8	557	203.5	659.0	210.8	558	242.5	659.0	210.8
559	164.5	641.5	210.8	560	164.5	431.5	210.8	561	164.5	431.5	192.5
562	164.5	431.5	229.0	563	164.5	466.5	210.8	564	164.5	466.5	192.5
565	164.5	466.5	229.0	566	164.5	501.5	210.8	567	164.5	501.5	192.5
568	164.5	501.5	229.0	569	164.5	536.5	210.8	570	164.5	536.5	192.5
571	164.5	536.5	229.0	572	164.5	571.5	210.8	573	164.5	571.5	192.5
574	164.5	571.5	229.0	575	164.5	606.5	210.8	576	164.5	606.5	192.5
577	164.5	606.5	229.0	578	203.5	431.5	192.5	579	242.5	431.5	192.5
580	203.5	466.5	192.5	581	242.5	466.5	192.5	582	203.5	501.5	192.5
583	242.5	501.5	192.5	584	203.5	536.5	192.5	585	242.5	536.5	192.5
586	203.5	571.5	192.5	587	242.5	571.5	192.5	588	203.5	606.5	192.5
589	242.5	606.5	192.5	590	203.5	606.5	229.0	591	242.5	606.5	229.0
592	203.5	571.5	229.0	593	242.5	571.5	229.0	594	203.5	536.5	229.0
595	242.5	536.5	229.0	596	203.5	501.5	229.0	597	242.5	501.5	229.0
598	203.5	466.5	229.0	599	242.5	466.5	229.0	600	203.5	431.5	229.0
601	242.5	431.5	229.0	602	164.5	414.0	231.0	603	203.5	414.0	231.0
604	242.5	414.0	231.0	605	164.5	449.0	231.0	606	203.5	449.0	231.0
607	242.5	449.0	231.0	608	164.5	484.0	231.0	609	203.5	484.0	231.0
610	242.5	484.0	231.0	611	164.5	519.0	231.0	612	203.5	519.0	231.0
613	242.5	519.0	231.0	614	164.5	554.0	231.0	615	203.5	554.0	231.0
616	242.5	554.0	231.0	617	164.5	589.0	231.0	618	203.5	589.0	231.0
619	242.5	589.0	231.0	620	164.5	659.0	231.0	621	203.5	659.0	231.0
622	242.5	659.0	231.0	623	164.5	624.0	231.0	624	203.5	624.0	231.0
625	242.5	624.0	231.0	626	203.5	624.0	287.8	627	242.5	624.0	287.8
628	164.5	659.0	287.8	629	203.5	659.0	287.8	630	164.5	624.0	267.5
631	242.5	659.0	287.8	632	164.5	641.5	287.8	633	164.5	431.5	287.8
634	164.5	431.5	269.5	635	164.5	431.5	306.0	636	164.5	466.5	287.8
637	164.5	466.5	269.5	638	164.5	466.5	306.0	639	164.5	501.5	287.8
640	164.5	501.5	269.5	641	164.5	501.5	306.0	642	164.5	536.5	287.8
643	242.5	449.0	267.5	644	242.5	484.0	267.5	645	242.5	519.0	267.5
646	242.5	554.0	267.5	647	242.5	589.0	267.5	648	242.5	624.0	267.5
649	164.5	449.0	267.5	650	164.5	484.0	267.5	651	164.5	519.0	267.5
652	164.5	554.0	267.5	653	164.5	589.0	267.5	654	164.5	414.0	267.5
655	242.5	414.0	267.5	656	242.5	659.0	267.5	657	164.5	659.0	267.5
658	164.5	641.5	231.0	659	203.5	641.5	231.0	660	164.5	536.5	269.5
661	164.5	536.5	306.0	662	242.5	641.5	231.0	663	164.5	641.5	267.5
664	203.5	641.5	267.5	665	203.5	624.0	267.5	666	203.5	659.0	267.5
667	242.5	641.5	267.5	668	164.5	414.0	249.3	669	203.5	414.0	249.3
670	203.5	414.0	267.5	671	164.5	571.5	287.8	672	242.5	414.0	249.3
673	164.5	449.0	249.3	674	203.5	449.0	249.3	675	203.5	449.0	267.5
676	164.5	571.5	269.5	677	242.5	449.0	249.3	678	164.5	484.0	249.3
679	203.5	484.0	249.3	680	203.5	484.0	267.5	681	164.5	571.5	306.0
682	242.5	484.0	249.3	683	164.5	519.0	249.3	684	203.5	519.0	249.3
685	203.5	519.0	267.5	686	164.5	606.5	287.8	687	242.5	519.0	249.3
688	164.5	554.0	249.3	689	203.5	554.0	249.3	690	203.5	554.0	267.5
691	164.5	606.5	269.5	692	242.5	554.0	249.3	693	164.5	589.0	249.3
694	203.5	589.0	249.3	695	203.5	589.0	267.5	696	164.5	606.5	306.0
697	242.5	589.0	249.3	698	164.5	624.0	249.3	699	203.5	624.0	249.3
700	242.5	624.0	249.3	701	164.5	659.0	249.3	702	203.5	659.0	249.3
703	242.5	659.0	249.3	704	164.5	641.5	249.3	705	164.5	431.5	249.3
706	164.5	431.5	231.0	707	164.5	431.5	267.5	708	164.5	466.5	249.3
709	164.5	466.5	231.0	710	164.5	466.5	267.5	711	164.5	501.5	249.3
712	164.5	501.5	231.0	713	164.5	501.5	267.5	714	164.5	536.5	249.3
715	164.5	536.5	231.0	716	164.5	536.5	267.5	717	164.5	571.5	249.3
718	164.5	571.5	231.0	719	164.5	571.5	267.5	720	164.5	606.5	249.3
721	164.5	606.5	231.0	722	164.5	606.5	267.5	725	242.5	414.0	0.0
726	164.5	659.0	0.0	727	242.5	659.0	0.0	728	164.5	414.0	0.0
730	203.5	431.5	231.0	731	164.5	624.0	36.5	734	242.5	449.0	0.0
735	242.5	484.0	0.0	736	242.5	519.0	0.0	737	242.5	554.0	0.0
738	242.5	589.0	0.0	739	242.5	624.0	0.0	740	164.5	449.0	0.0
741	164.5	484.0	0.0	742	164.5	519.0	0.0	743	164.5	554.0	0.0
744	164.5	589.0	0.0	745	164.5	624.0	0.0	746	242.5	449.0	36.5
747	242.5	484.0	36.5	748	242.5	519.0	36.5	749	242.5	554.0	36.5
750	242.5	589.0	36.5	751	242.5	624.0	36.5	752	164.5	449.0	36.5
753	164.5	484.0	36.5	754	164.5	519.0	36.5	755	164.5	554.0	36.5
756	164.5	589.0	36.5	757	164.5	414.0	36.5	758	242.5	414.0	36.5
759	242.5	659.0	36.5	760	164.5	659.0	36.5	761	164.5	641.5	0.0
762	203.5	641.5	0.0	763	203.5	624.0	0.0	764	203.5	659.0	0.0
765	242.5	641.5	0.0	766	164.5	641.5	36.5	767	203.5	641.5	36.5
768	203.5	624.0	36.5	769	203.5	659.0	36.5	770	242.5	641.5	36.5
771	164.5	414.0	18.3	772	203.5	414.0	18.3	773	203.5	414.0	36.5

774	203.5	414.0	0.0	775	242.5	414.0	18.3	776	164.5	449.0	18.3
777	203.5	449.0	18.3	778	203.5	449.0	36.5	779	203.5	449.0	0.0
780	242.5	449.0	18.3	781	164.5	484.0	18.3	782	203.5	484.0	18.3
783	203.5	484.0	36.5	784	203.5	484.0	0.0	785	242.5	484.0	18.3
786	164.5	519.0	18.3	787	203.5	519.0	18.3	788	203.5	519.0	36.5
789	203.5	519.0	0.0	790	242.5	519.0	18.3	791	164.5	554.0	18.3
792	203.5	554.0	18.3	793	203.5	554.0	36.5	794	203.5	554.0	0.0
795	242.5	554.0	18.3	796	164.5	589.0	18.3	797	203.5	589.0	18.3
798	203.5	589.0	36.5	799	203.5	589.0	0.0	800	242.5	589.0	18.3
801	164.5	624.0	18.3	802	203.5	624.0	18.3	803	242.5	624.0	18.3
804	164.5	659.0	18.3	805	203.5	659.0	18.3	806	242.5	659.0	18.3
807	164.5	641.5	18.3	808	164.5	431.5	18.3	809	164.5	431.5	0.0
810	164.5	431.5	36.5	811	164.5	466.5	18.3	812	164.5	466.5	0.0
813	164.5	466.5	36.5	814	164.5	501.5	18.3	815	164.5	501.5	0.0
816	164.5	501.5	36.5	817	164.5	536.5	18.3	818	164.5	536.5	0.0
819	164.5	536.5	36.5	820	164.5	571.5	18.3	821	164.5	571.5	0.0
822	164.5	571.5	36.5	823	164.5	606.5	18.3	824	164.5	606.5	0.0
825	164.5	606.5	36.5	826	203.5	431.5	0.0	827	242.5	431.5	0.0
828	203.5	466.5	0.0	829	242.5	466.5	0.0	830	203.5	501.5	0.0
831	242.5	501.5	0.0	832	203.5	536.5	0.0	833	242.5	536.5	0.0
834	203.5	571.5	0.0	835	242.5	571.5	0.0	836	203.5	606.5	0.0
837	242.5	606.5	0.0	838	203.5	606.5	36.5	839	242.5	606.5	36.5
840	203.5	571.5	36.5	841	242.5	571.5	36.5	842	203.5	536.5	36.5
843	242.5	536.5	36.5	844	203.5	501.5	36.5	845	242.5	501.5	36.5
846	203.5	466.5	36.5	847	242.5	466.5	36.5	848	203.5	431.5	36.5
849	242.5	431.5	36.5	850	164.5	414.0	38.5	851	203.5	414.0	38.5
852	242.5	414.0	38.5	856	164.5	449.0	38.5	857	203.5	449.0	38.5
858	242.5	449.0	38.5	862	164.5	484.0	38.5	863	203.5	484.0	38.5
864	242.5	484.0	38.5	868	164.5	519.0	38.5	869	203.5	519.0	38.5
870	242.5	519.0	38.5	874	164.5	554.0	38.5	875	203.5	554.0	38.5
876	242.5	554.0	38.5	880	164.5	589.0	38.5	881	203.5	589.0	38.5
882	242.5	589.0	38.5	883	164.5	659.0	38.5	884	203.5	659.0	38.5
885	242.5	659.0	38.5	886	164.5	624.0	38.5	887	203.5	624.0	38.5
888	242.5	624.0	38.5	893	242.5	431.5	231.0	894	203.5	466.5	231.0
895	242.5	466.5	231.0	896	203.5	501.5	231.0	897	164.5	624.0	75.0
898	242.5	501.5	231.0	899	203.5	536.5	231.0	900	242.5	536.5	231.0
901	203.5	571.5	231.0	902	242.5	571.5	231.0	903	203.5	606.5	231.0
904	242.5	606.5	231.0	905	203.5	606.5	267.5	906	242.5	606.5	267.5
907	203.5	571.5	267.5	908	242.5	571.5	267.5	909	203.5	536.5	267.5
910	242.5	449.0	75.0	911	242.5	484.0	75.0	912	242.5	519.0	75.0
913	242.5	554.0	75.0	914	242.5	589.0	75.0	915	242.5	624.0	75.0
916	164.5	449.0	75.0	917	164.5	484.0	75.0	918	164.5	519.0	75.0
919	164.5	554.0	75.0	920	164.5	589.0	75.0	921	164.5	414.0	75.0
922	242.5	414.0	75.0	923	242.5	659.0	75.0	924	164.5	659.0	75.0
925	164.5	641.5	38.5	926	203.5	641.5	38.5	927	242.5	536.5	267.5
928	203.5	501.5	267.5	929	242.5	641.5	38.5	930	164.5	641.5	75.0
931	203.5	641.5	75.0	932	203.5	624.0	75.0	933	203.5	659.0	75.0
934	242.5	641.5	75.0	935	164.5	414.0	56.8	936	203.5	414.0	56.8
937	203.5	414.0	75.0	938	242.5	501.5	267.5	939	242.5	414.0	56.8
940	164.5	449.0	56.8	941	203.5	449.0	56.8	942	203.5	449.0	75.0
943	203.5	466.5	267.5	944	242.5	449.0	56.8	945	164.5	484.0	56.8
946	203.5	484.0	56.8	947	203.5	484.0	75.0	948	242.5	466.5	267.5
949	242.5	484.0	56.8	950	164.5	519.0	56.8	951	203.5	519.0	56.8
952	203.5	519.0	75.0	953	203.5	431.5	267.5	954	242.5	519.0	56.8
955	164.5	554.0	56.8	956	203.5	554.0	56.8	957	203.5	554.0	75.0
958	242.5	431.5	267.5	959	242.5	554.0	56.8	960	164.5	589.0	56.8
961	203.5	589.0	56.8	962	203.5	589.0	75.0	963	164.5	414.0	269.5
964	242.5	589.0	56.8	965	164.5	624.0	56.8	966	203.5	624.0	56.8
967	242.5	624.0	56.8	968	164.5	659.0	56.8	969	203.5	659.0	56.8
970	242.5	659.0	56.8	971	164.5	641.5	56.8	972	164.5	431.5	56.8
973	164.5	431.5	38.5	974	164.5	431.5	75.0	975	164.5	466.5	56.8
976	164.5	466.5	38.5	977	164.5	466.5	75.0	978	164.5	501.5	56.8
979	164.5	501.5	38.5	980	164.5	501.5	75.0	981	164.5	536.5	56.8
982	164.5	536.5	38.5	983	164.5	536.5	75.0	984	164.5	571.5	56.8
985	164.5	571.5	38.5	986	164.5	571.5	75.0	987	164.5	606.5	56.8
988	164.5	606.5	38.5	989	164.5	606.5	75.0	990	203.5	431.5	38.5
991	242.5	431.5	38.5	992	203.5	466.5	38.5				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
723	203.5	659.0	-2.0	v=111111						
724	242.5	414.0	-2.0	v=111111						
729	164.5	414.0	-2.0	v=111111						
732	242.5	659.0	-2.0	v=111111						
733	164.5	659.0	-2.0	v=111111						
853	164.5	484.0	-2.0	v=111111						
854	203.5	484.0	-2.0	v=111111						
855	242.5	484.0	-2.0	v=111111						
859	164.5	519.0	-2.0	v=111111						
860	203.5	519.0	-2.0	v=111111						
861	242.5	519.0	-2.0	v=111111						
865	164.5	554.0	-2.0	v=111111						
866	203.5	554.0	-2.0	v=111111						
867	242.5	554.0	-2.0	v=111111						
871	164.5	589.0	-2.0	v=111111						
872	203.5	589.0	-2.0	v=111111						
873	242.5	589.0	-2.0	v=111111						
877	164.5	624.0	-2.0	v=111111						
878	203.5	624.0	-2.0	v=111111						
879	242.5	624.0	-2.0	v=111111						
889	203.5	414.0	-2.0	v=111111						
890	164.5	449.0	-2.0	v=111111						
891	203.5	449.0	-2.0	v=111111						
892	242.5	449.0	-2.0	v=111111						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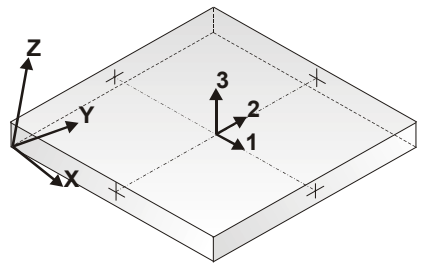
Ossari.PSP

Fig. 2

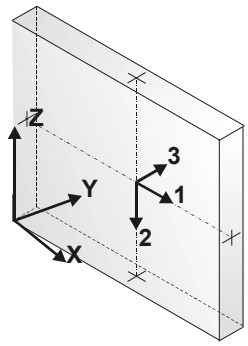
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Setto	50	85	119	118	3	6.5		
2	Setto	77	86	122	121	3	6.5		
3	Setto	43	78	124	118	3	6.5		
4	Setto	22	126	125	88	3	6.5		
5	Setto	25	129	128	93	3	6.5		
6	Setto	28	132	131	98	3	6.5		
7	Setto	31	135	134	103	3	6.5		
8	Setto	34	138	137	108	3	6.5		
9	Setto	37	141	140	113	3	6.5		
10	Guscio	22	23	143	126	3	6.5		
11	Guscio	25	26	145	129	3	6.5		
12	Guscio	28	29	147	132	3	6.5		
13	Guscio	31	32	149	135	3	6.5		
14	Guscio	34	35	151	138	3	6.5		
15	Guscio	37	38	153	141	3	6.5		
16	Guscio	73	115	155	142	3	6.5		
17	Guscio	72	110	157	139	3	6.5		

18	Guscio	71	105	159	136	3	6.5
19	Guscio	70	100	161	133	3	6.5
20	Guscio	69	95	163	130	3	6.5
21	Guscio	74	90	165	127	3	6.5
22	Guscio	78	79	41	40	3	6.5
23	Guscio	44	45	82	79	3	5.0
24	Guscio	79	82	42	41	3	5.0
25	Guscio	83	84	86	77	3	6.5
26	Guscio	85	68	87	84	3	5.0
27	Guscio	84	87	76	86	3	5.0
28	Setto	88	89	23	22	3	6.5
29	Setto	90	75	92	89	3	5.0
30	Setto	89	92	24	23	3	5.0
31	Setto	93	94	26	25	3	6.5
32	Setto	95	63	97	94	3	5.0
33	Setto	94	97	27	26	3	5.0
34	Setto	98	99	29	28	3	6.5
35	Setto	100	64	102	99	3	5.0
36	Setto	99	102	30	29	3	5.0
37	Setto	103	104	32	31	3	6.5
38	Setto	105	65	107	104	3	5.0
39	Setto	104	107	33	32	3	5.0
40	Setto	108	109	35	34	3	6.5
41	Setto	110	66	112	109	3	5.0
42	Setto	109	112	36	35	3	5.0
43	Setto	113	114	38	37	3	6.5
44	Setto	115	67	117	114	3	5.0
45	Setto	114	117	39	38	3	5.0
46	Setto	118	119	44	43	3	6.5
47	Setto	85	68	120	119	3	5.0
48	Setto	119	120	45	44	3	5.0
49	Setto	121	122	41	40	3	6.5
50	Setto	86	76	123	122	3	5.0
51	Setto	122	123	42	41	3	5.0
52	Setto	118	124	83	50	3	6.5
53	Setto	78	40	121	124	3	6.5
54	Setto	124	121	77	83	3	6.5
55	Setto	88	125	127	74	3	6.5
56	Setto	126	25	93	125	3	6.5
57	Setto	125	93	69	127	3	6.5
58	Setto	93	128	130	69	3	6.5
59	Setto	129	28	98	128	3	6.5
60	Setto	128	98	70	130	3	6.5
61	Setto	98	131	133	70	3	6.5
62	Setto	132	31	103	131	3	6.5
63	Setto	131	103	71	133	3	6.5
64	Setto	103	134	136	71	3	6.5
65	Setto	135	34	108	134	3	6.5
66	Setto	134	108	72	136	3	6.5
67	Setto	108	137	139	72	3	6.5
68	Setto	138	37	113	137	3	6.5
69	Setto	137	113	73	139	3	6.5
70	Setto	113	140	142	73	3	6.5
71	Setto	141	43	118	140	3	6.5
72	Setto	140	118	50	142	3	6.5
73	Guscio	126	143	26	25	3	6.5
74	Guscio	23	24	144	143	3	5.0
75	Guscio	143	144	27	26	3	5.0
76	Guscio	129	145	29	28	3	6.5
77	Guscio	26	27	146	145	3	5.0
78	Guscio	145	146	30	29	3	5.0
79	Guscio	132	147	32	31	3	6.5
80	Guscio	29	30	148	147	3	5.0
81	Guscio	147	148	33	32	3	5.0
82	Guscio	135	149	35	34	3	6.5
83	Guscio	32	33	150	149	3	5.0
84	Guscio	149	150	36	35	3	5.0
85	Guscio	138	151	38	37	3	6.5
86	Guscio	35	36	152	151	3	5.0
87	Guscio	151	152	39	38	3	5.0
88	Guscio	141	153	44	43	3	6.5
89	Guscio	38	39	154	153	3	5.0
90	Guscio	153	154	45	44	3	5.0
91	Guscio	142	155	85	50	3	6.5
92	Guscio	115	67	156	155	3	5.0
93	Guscio	155	156	68	85	3	5.0
94	Guscio	139	157	115	73	3	6.5
95	Guscio	110	66	158	157	3	5.0
96	Guscio	157	158	67	115	3	5.0
97	Guscio	136	159	110	72	3	6.5
98	Guscio	105	65	160	159	3	5.0
99	Guscio	159	160	66	110	3	5.0
100	Guscio	133	161	105	71	3	6.5
101	Guscio	100	64	162	161	3	5.0
102	Guscio	161	162	65	105	3	5.0
103	Guscio	130	163	100	70	3	6.5
104	Guscio	95	63	164	163	3	5.0
105	Guscio	163	164	64	100	3	5.0
106	Guscio	127	165	95	69	3	6.5
107	Guscio	90	75	166	165	3	5.0
108	Guscio	165	166	63	95	3	5.0
109	Guscio	188	189	224	223	3	6.5
110	Guscio	195	230	229	228	3	6.5
111	Setto	219	235	234	233	3	6.5
112	Setto	214	240	239	238	3	6.5
113	Setto	215	245	244	243	3	6.5
114	Setto	216	250	249	248	3	6.5
115	Setto	217	255	254	253	3	6.5
116	Setto	218	260	259	258	3	6.5
117	Setto	195	230	264	263	3	6.5
118	Setto	222	231	267	266	3	6.5

119	Setto	188	223	269	263	3	6.5
120	Setto	167	271	270	233	3	6.5
121	Setto	170	274	273	238	3	6.5
122	Setto	173	277	276	243	3	6.5
123	Setto	176	280	279	248	3	6.5
124	Setto	179	283	282	253	3	6.5
125	Setto	182	286	285	258	3	6.5
126	Guscio	167	168	288	271	3	6.5
127	Guscio	170	171	290	274	3	6.5
128	Guscio	173	174	292	277	3	6.5
129	Guscio	176	177	294	280	3	6.5
130	Guscio	179	180	296	283	3	6.5
131	Guscio	182	183	298	286	3	6.5
132	Guscio	218	260	300	287	3	6.5
133	Guscio	217	255	302	284	3	6.5
134	Guscio	216	250	304	281	3	6.5
135	Guscio	215	245	306	278	3	6.5
136	Guscio	214	240	308	275	3	6.5
137	Guscio	219	235	310	272	3	6.5
138	Guscio	223	224	186	185	3	6.5
139	Guscio	189	190	227	224	3	5.0
140	Guscio	224	227	187	186	3	5.0
141	Guscio	228	229	231	222	3	6.5
142	Guscio	230	213	232	229	3	5.0
143	Guscio	229	232	221	231	3	5.0
144	Setto	233	234	168	167	3	6.5
145	Setto	235	220	237	234	3	5.0
146	Setto	234	237	169	168	3	5.0
147	Setto	238	239	171	170	3	6.5
148	Setto	240	208	242	239	3	5.0
149	Setto	239	242	172	171	3	5.0
150	Setto	243	244	174	173	3	6.5
151	Setto	245	209	247	244	3	5.0
152	Setto	244	247	175	174	3	5.0
153	Setto	248	249	177	176	3	6.5
154	Setto	250	210	252	249	3	5.0
155	Setto	249	252	178	177	3	5.0
156	Setto	253	254	180	179	3	6.5
157	Setto	255	211	257	254	3	5.0
158	Setto	254	257	181	180	3	5.0
159	Setto	258	259	183	182	3	6.5
160	Setto	260	212	262	259	3	5.0
161	Setto	259	262	184	183	3	5.0
162	Setto	263	264	189	188	3	6.5
163	Setto	230	213	265	264	3	5.0
164	Setto	264	265	190	189	3	5.0
165	Setto	266	267	186	185	3	6.5
166	Setto	231	221	268	267	3	5.0
167	Setto	267	268	187	186	3	5.0
168	Setto	263	269	228	195	3	6.5
169	Setto	223	185	266	269	3	6.5
170	Setto	269	266	222	228	3	6.5
171	Setto	233	270	272	219	3	6.5
172	Setto	271	170	238	270	3	6.5
173	Setto	270	238	214	272	3	6.5
174	Setto	238	273	275	214	3	6.5
175	Setto	274	173	243	273	3	6.5
176	Setto	273	243	215	275	3	6.5
177	Setto	243	276	278	215	3	6.5
178	Setto	277	176	248	276	3	6.5
179	Setto	276	248	216	278	3	6.5
180	Setto	248	279	281	216	3	6.5
181	Setto	280	179	253	279	3	6.5
182	Setto	279	253	217	281	3	6.5
183	Setto	253	282	284	217	3	6.5
184	Setto	283	182	258	282	3	6.5
185	Setto	282	258	218	284	3	6.5
186	Setto	258	285	287	218	3	6.5
187	Setto	286	188	263	285	3	6.5
188	Setto	285	263	195	287	3	6.5
189	Guscio	271	288	171	170	3	6.5
190	Guscio	168	169	289	288	3	5.0
191	Guscio	288	289	172	171	3	5.0
192	Guscio	274	290	174	173	3	6.5
193	Guscio	171	172	291	290	3	5.0
194	Guscio	290	291	175	174	3	5.0
195	Guscio	277	292	177	176	3	6.5
196	Guscio	174	175	293	292	3	5.0
197	Guscio	292	293	178	177	3	5.0
198	Guscio	280	294	180	179	3	6.5
199	Guscio	177	178	295	294	3	5.0
200	Guscio	294	295	181	180	3	5.0
201	Guscio	283	296	183	182	3	6.5
202	Guscio	180	181	297	296	3	5.0
203	Guscio	296	297	184	183	3	5.0
204	Guscio	286	298	189	188	3	6.5
205	Guscio	183	184	299	298	3	5.0
206	Guscio	298	299	190	189	3	5.0
207	Guscio	287	300	230	195	3	6.5
208	Guscio	260	212	301	300	3	5.0
209	Guscio	300	301	213	230	3	5.0
210	Guscio	284	302	260	218	3	6.5
211	Guscio	255	211	303	302	3	5.0
212	Guscio	302	303	212	260	3	5.0
213	Guscio	281	304	255	217	3	6.5
214	Guscio	250	210	305	304	3	5.0
215	Guscio	304	305	211	255	3	5.0
216	Guscio	278	306	250	216	3	6.5
217	Guscio	245	209	307	306	3	5.0
218	Guscio	306	307	210	250	3	5.0
219	Guscio	275	308	245	215	3	6.5

220	Guscio	240	208	309	308	3	5.0
221	Guscio	308	309	209	245	3	5.0
222	Guscio	272	310	240	214	3	6.5
223	Guscio	235	220	311	310	3	5.0
224	Guscio	310	311	208	240	3	5.0
225	Guscio	333	334	369	368	3	6.5
226	Guscio	340	375	374	373	3	6.5
227	Setto	364	380	379	378	3	6.5
228	Setto	359	385	384	383	3	6.5
229	Setto	360	390	389	388	3	6.5
230	Setto	361	395	394	393	3	6.5
231	Setto	362	400	399	398	3	6.5
232	Setto	363	405	404	403	3	6.5
233	Setto	340	375	409	408	3	6.5
234	Setto	367	376	412	411	3	6.5
235	Setto	333	368	414	408	3	6.5
236	Setto	312	416	415	378	3	6.5
237	Setto	315	419	418	383	3	6.5
238	Setto	318	422	421	388	3	6.5
239	Setto	321	425	424	393	3	6.5
240	Setto	324	428	427	398	3	6.5
241	Setto	327	431	430	403	3	6.5
242	Guscio	312	313	433	416	3	6.5
243	Guscio	315	316	435	419	3	6.5
244	Guscio	318	319	437	422	3	6.5
245	Guscio	321	322	439	425	3	6.5
246	Guscio	324	325	441	428	3	6.5
247	Guscio	327	328	443	431	3	6.5
248	Guscio	363	405	445	432	3	6.5
249	Guscio	362	400	447	429	3	6.5
250	Guscio	361	395	449	426	3	6.5
251	Guscio	360	390	451	423	3	6.5
252	Guscio	359	385	453	420	3	6.5
253	Guscio	364	380	455	417	3	6.5
254	Guscio	368	369	331	330	3	6.5
255	Guscio	334	335	372	369	3	5.0
256	Guscio	369	372	332	331	3	5.0
257	Guscio	373	374	376	367	3	6.5
258	Guscio	375	358	377	374	3	5.0
259	Guscio	374	377	366	376	3	5.0
260	Setto	378	379	313	312	3	6.5
261	Setto	380	365	382	379	3	5.0
262	Setto	379	382	314	313	3	5.0
263	Setto	383	384	316	315	3	6.5
264	Setto	385	353	387	384	3	5.0
265	Setto	384	387	317	316	3	5.0
266	Setto	388	389	319	318	3	6.5
267	Setto	390	354	392	389	3	5.0
268	Setto	389	392	320	319	3	5.0
269	Setto	393	394	322	321	3	6.5
270	Setto	395	355	397	394	3	5.0
271	Setto	394	397	323	322	3	5.0
272	Setto	398	399	325	324	3	6.5
273	Setto	400	356	402	399	3	5.0
274	Setto	399	402	326	325	3	5.0
275	Setto	403	404	328	327	3	6.5
276	Setto	405	357	407	404	3	5.0
277	Setto	404	407	329	328	3	5.0
278	Setto	408	409	334	333	3	6.5
279	Setto	375	358	410	409	3	5.0
280	Setto	409	410	335	334	3	5.0
281	Setto	411	412	331	330	3	6.5
282	Setto	376	366	413	412	3	5.0
283	Setto	412	413	332	331	3	5.0
284	Setto	408	414	373	340	3	6.5
285	Setto	368	330	411	414	3	6.5
286	Setto	414	411	367	373	3	6.5
287	Setto	378	415	417	364	3	6.5
288	Setto	416	315	383	415	3	6.5
289	Setto	415	383	359	417	3	6.5
290	Setto	383	418	420	359	3	6.5
291	Setto	419	318	388	418	3	6.5
292	Setto	418	388	360	420	3	6.5
293	Setto	388	421	423	360	3	6.5
294	Setto	422	321	393	421	3	6.5
295	Setto	421	393	361	423	3	6.5
296	Setto	393	424	426	361	3	6.5
297	Setto	425	324	398	424	3	6.5
298	Setto	424	398	362	426	3	6.5
299	Setto	398	427	429	362	3	6.5
300	Setto	428	327	403	427	3	6.5
301	Setto	427	403	363	429	3	6.5
302	Setto	403	430	432	363	3	6.5
303	Setto	431	333	408	430	3	6.5
304	Setto	430	408	340	432	3	6.5
305	Guscio	416	433	316	315	3	6.5
306	Guscio	313	314	434	433	3	5.0
307	Guscio	433	434	317	316	3	5.0
308	Guscio	419	435	319	318	3	6.5
309	Guscio	316	317	436	435	3	5.0
310	Guscio	435	436	320	319	3	5.0
311	Guscio	422	437	322	321	3	6.5
312	Guscio	319	320	438	437	3	5.0
313	Guscio	437	438	323	322	3	5.0
314	Guscio	425	439	325	324	3	6.5
315	Guscio	322	323	440	439	3	5.0
316	Guscio	439	440	326	325	3	5.0
317	Guscio	428	441	328	327	3	6.5
318	Guscio	325	326	442	441	3	5.0
319	Guscio	441	442	329	328	3	5.0
320	Guscio	431	443	334	333	3	6.5

321	Guscio	328	329	444	443	3	5.0
322	Guscio	443	444	335	334	3	5.0
323	Guscio	432	445	375	340	3	6.5
324	Guscio	405	357	446	445	3	5.0
325	Guscio	445	446	358	375	3	5.0
326	Guscio	429	447	405	363	3	6.5
327	Guscio	400	356	448	447	3	5.0
328	Guscio	447	448	357	405	3	5.0
329	Guscio	426	449	400	362	3	6.5
330	Guscio	395	355	450	449	3	5.0
331	Guscio	449	450	356	400	3	5.0
332	Guscio	423	451	395	361	3	6.5
333	Guscio	390	354	452	451	3	5.0
334	Guscio	451	452	355	395	3	5.0
335	Guscio	420	453	390	360	3	6.5
336	Guscio	385	353	454	453	3	5.0
337	Guscio	453	454	354	390	3	5.0
338	Guscio	417	455	385	359	3	6.5
339	Guscio	380	365	456	455	3	5.0
340	Guscio	455	456	353	385	3	5.0
341	Guscio	478	479	514	513	3	6.5
342	Guscio	485	520	519	518	3	6.5
343	Setto	509	525	524	523	3	6.5
344	Setto	504	530	529	528	3	6.5
345	Setto	505	535	534	533	3	6.5
346	Setto	506	540	539	538	3	6.5
347	Setto	507	545	544	543	3	6.5
348	Setto	508	550	549	548	3	6.5
349	Setto	485	520	554	553	3	6.5
350	Setto	512	521	557	556	3	6.5
351	Setto	478	513	559	553	3	6.5
352	Setto	457	561	560	523	3	6.5
353	Setto	460	564	563	528	3	6.5
354	Setto	463	567	566	533	3	6.5
355	Setto	466	570	569	538	3	6.5
356	Setto	469	573	572	543	3	6.5
357	Setto	472	576	575	548	3	6.5
358	Guscio	457	458	578	561	3	6.5
359	Guscio	460	461	580	564	3	6.5
360	Guscio	463	464	582	567	3	6.5
361	Guscio	466	467	584	570	3	6.5
362	Guscio	469	470	586	573	3	6.5
363	Guscio	472	473	588	576	3	6.5
364	Guscio	508	550	590	577	3	6.5
365	Guscio	507	545	592	574	3	6.5
366	Guscio	506	540	594	571	3	6.5
367	Guscio	505	535	596	568	3	6.5
368	Guscio	504	530	598	565	3	6.5
369	Guscio	509	525	600	562	3	6.5
370	Guscio	513	514	476	475	3	6.5
371	Guscio	479	480	517	514	3	5.0
372	Guscio	514	517	477	476	3	5.0
373	Guscio	518	519	521	512	3	6.5
374	Guscio	520	503	522	519	3	5.0
375	Guscio	519	522	511	521	3	5.0
376	Setto	523	524	458	457	3	6.5
377	Setto	525	510	527	524	3	5.0
378	Setto	524	527	459	458	3	5.0
379	Setto	528	529	461	460	3	6.5
380	Setto	530	498	532	529	3	5.0
381	Setto	529	532	462	461	3	5.0
382	Setto	533	534	464	463	3	6.5
383	Setto	535	499	537	534	3	5.0
384	Setto	534	537	465	464	3	5.0
385	Setto	538	539	467	466	3	6.5
386	Setto	540	500	542	539	3	5.0
387	Setto	539	542	468	467	3	5.0
388	Setto	543	544	470	469	3	6.5
389	Setto	545	501	547	544	3	5.0
390	Setto	544	547	471	470	3	5.0
391	Setto	548	549	473	472	3	6.5
392	Setto	550	502	552	549	3	5.0
393	Setto	549	552	474	473	3	5.0
394	Setto	553	554	479	478	3	6.5
395	Setto	520	503	555	554	3	5.0
396	Setto	554	555	480	479	3	5.0
397	Setto	556	557	476	475	3	6.5
398	Setto	521	511	558	557	3	5.0
399	Setto	557	558	477	476	3	5.0
400	Setto	553	559	518	485	3	6.5
401	Setto	513	475	556	559	3	6.5
402	Setto	559	556	512	518	3	6.5
403	Setto	523	560	562	509	3	6.5
404	Setto	561	460	528	560	3	6.5
405	Setto	560	528	504	562	3	6.5
406	Setto	528	563	565	504	3	6.5
407	Setto	564	463	533	563	3	6.5
408	Setto	563	533	505	565	3	6.5
409	Setto	533	566	568	505	3	6.5
410	Setto	567	466	538	566	3	6.5
411	Setto	566	538	506	568	3	6.5
412	Setto	538	569	571	506	3	6.5
413	Setto	570	469	543	569	3	6.5
414	Setto	569	543	507	571	3	6.5
415	Setto	543	572	574	507	3	6.5
416	Setto	573	472	548	572	3	6.5
417	Setto	572	548	508	574	3	6.5
418	Setto	548	575	577	508	3	6.5
419	Setto	576	478	553	575	3	6.5
420	Setto	575	553	485	577	3	6.5
421	Guscio	561	578	461	460	3	6.5

422	Guscio	458	459	579	578	3	5.0
423	Guscio	578	579	462	461	3	5.0
424	Guscio	564	580	464	463	3	6.5
425	Guscio	461	462	581	580	3	5.0
426	Guscio	580	581	465	464	3	5.0
427	Guscio	567	582	467	466	3	6.5
428	Guscio	464	465	583	582	3	5.0
429	Guscio	582	583	468	467	3	5.0
430	Guscio	570	584	470	469	3	6.5
431	Guscio	467	468	585	584	3	5.0
432	Guscio	584	585	471	470	3	5.0
433	Guscio	573	586	473	472	3	6.5
434	Guscio	470	471	587	586	3	5.0
435	Guscio	586	587	474	473	3	5.0
436	Guscio	576	588	479	478	3	6.5
437	Guscio	473	474	589	588	3	5.0
438	Guscio	588	589	480	479	3	5.0
439	Guscio	577	590	520	485	3	6.5
440	Guscio	550	502	591	590	3	5.0
441	Guscio	590	591	503	520	3	5.0
442	Guscio	574	592	550	508	3	6.5
443	Guscio	545	501	593	592	3	5.0
444	Guscio	592	593	502	550	3	5.0
445	Guscio	571	594	545	507	3	6.5
446	Guscio	540	500	595	594	3	5.0
447	Guscio	594	595	501	545	3	5.0
448	Guscio	568	596	540	506	3	6.5
449	Guscio	535	499	597	596	3	5.0
450	Guscio	596	597	500	540	3	5.0
451	Guscio	565	598	535	505	3	6.5
452	Guscio	530	498	599	598	3	5.0
453	Guscio	598	599	499	535	3	5.0
454	Guscio	562	600	530	504	3	6.5
455	Guscio	525	510	601	600	3	5.0
456	Guscio	600	601	498	530	3	5.0
457	Guscio	623	624	659	658	3	6.5
458	Guscio	630	665	664	663	3	6.5
459	Setto	654	670	669	668	3	6.5
460	Setto	649	675	674	673	3	6.5
461	Setto	650	680	679	678	3	6.5
462	Setto	651	685	684	683	3	6.5
463	Setto	652	690	689	688	3	6.5
464	Setto	653	695	694	693	3	6.5
465	Setto	630	665	699	698	3	6.5
466	Setto	657	666	702	701	3	6.5
467	Setto	623	658	704	698	3	6.5
468	Setto	602	706	705	668	3	6.5
469	Setto	605	709	708	673	3	6.5
470	Setto	608	712	711	678	3	6.5
471	Setto	611	715	714	683	3	6.5
472	Setto	614	718	717	688	3	6.5
473	Setto	617	721	720	693	3	6.5
474	Guscio	602	603	730	706	3	6.5
475	Guscio	605	606	894	709	3	6.5
476	Guscio	608	609	896	712	3	6.5
477	Guscio	611	612	899	715	3	6.5
478	Guscio	614	615	901	718	3	6.5
479	Guscio	617	618	903	721	3	6.5
480	Guscio	653	695	905	722	3	6.5
481	Guscio	652	690	907	719	3	6.5
482	Guscio	651	685	909	716	3	6.5
483	Guscio	650	680	928	713	3	6.5
484	Guscio	649	675	943	710	3	6.5
485	Guscio	654	670	953	707	3	6.5
486	Guscio	658	659	621	620	3	6.5
487	Guscio	624	625	662	659	3	5.0
488	Guscio	659	662	622	621	3	5.0
489	Guscio	663	664	666	657	3	6.5
490	Guscio	665	648	667	664	3	5.0
491	Guscio	664	667	656	666	3	5.0
492	Setto	668	669	603	602	3	6.5
493	Setto	670	655	672	669	3	5.0
494	Setto	669	672	604	603	3	5.0
495	Setto	673	674	606	605	3	6.5
496	Setto	675	643	677	674	3	5.0
497	Setto	674	677	607	606	3	5.0
498	Setto	678	679	609	608	3	6.5
499	Setto	680	644	682	679	3	5.0
500	Setto	679	682	610	609	3	5.0
501	Setto	683	684	612	611	3	6.5
502	Setto	685	645	687	684	3	5.0
503	Setto	684	687	613	612	3	5.0
504	Setto	688	689	615	614	3	6.5
505	Setto	690	646	692	689	3	5.0
506	Setto	689	692	616	615	3	5.0
507	Setto	693	694	618	617	3	6.5
508	Setto	695	647	697	694	3	5.0
509	Setto	694	697	619	618	3	5.0
510	Setto	698	699	624	623	3	6.5
511	Setto	665	648	700	699	3	5.0
512	Setto	699	700	625	624	3	5.0
513	Setto	701	702	621	620	3	6.5
514	Setto	666	656	703	702	3	5.0
515	Setto	702	703	622	621	3	5.0
516	Setto	698	704	663	630	3	6.5
517	Setto	658	620	701	704	3	6.5
518	Setto	704	701	657	663	3	6.5
519	Setto	668	705	707	654	3	6.5
520	Setto	706	605	673	705	3	6.5
521	Setto	705	673	649	707	3	6.5
522	Setto	673	708	710	649	3	6.5

523	Setto	709	608	678	708	3	6.5
524	Setto	708	678	650	710	3	6.5
525	Setto	678	711	713	650	3	6.5
526	Setto	712	611	683	711	3	6.5
527	Setto	711	683	651	713	3	6.5
528	Setto	683	714	716	651	3	6.5
529	Setto	715	614	688	714	3	6.5
530	Setto	714	688	652	716	3	6.5
531	Setto	688	717	719	652	3	6.5
532	Setto	718	617	693	717	3	6.5
533	Setto	717	693	653	719	3	6.5
534	Setto	693	720	722	653	3	6.5
535	Setto	721	623	698	720	3	6.5
536	Setto	720	698	630	722	3	6.5
537	Guscio	706	730	606	605	3	6.5
538	Guscio	603	604	893	730	3	5.0
539	Guscio	730	893	607	606	3	5.0
540	Guscio	709	894	609	608	3	6.5
541	Guscio	606	607	895	894	3	5.0
542	Guscio	894	895	610	609	3	5.0
543	Guscio	712	896	612	611	3	6.5
544	Guscio	609	610	898	896	3	5.0
545	Guscio	896	898	613	612	3	5.0
546	Guscio	715	899	615	614	3	6.5
547	Guscio	612	613	900	899	3	5.0
548	Guscio	899	900	616	615	3	5.0
549	Guscio	718	901	618	617	3	6.5
550	Guscio	615	616	902	901	3	5.0
551	Guscio	901	902	619	618	3	5.0
552	Guscio	721	903	624	623	3	6.5
553	Guscio	618	619	904	903	3	5.0
554	Guscio	903	904	625	624	3	5.0
555	Guscio	722	905	665	630	3	6.5
556	Guscio	695	647	906	905	3	5.0
557	Guscio	905	906	648	665	3	5.0
558	Guscio	719	907	695	653	3	6.5
559	Guscio	690	646	908	907	3	5.0
560	Guscio	907	908	647	695	3	5.0
561	Guscio	716	909	690	652	3	6.5
562	Guscio	685	645	927	909	3	5.0
563	Guscio	909	927	646	690	3	5.0
564	Guscio	713	928	685	651	3	6.5
565	Guscio	680	644	938	928	3	5.0
566	Guscio	928	938	645	685	3	5.0
567	Guscio	710	943	680	650	3	6.5
568	Guscio	675	643	948	943	3	5.0
569	Guscio	943	948	644	680	3	5.0
570	Guscio	707	953	675	649	3	6.5
571	Guscio	670	655	958	953	3	5.0
572	Guscio	953	958	643	675	3	5.0
573	Guscio	101	106	345	344	3	6.5
574	Guscio	194	351	350	349	3	6.5
575	Setto	339	386	381	371	3	6.5
576	Setto	256	481	406	401	3	6.5
577	Setto	261	487	486	484	3	6.5
578	Setto	336	492	491	490	3	6.5
579	Setto	337	497	496	495	3	6.5
580	Setto	338	536	531	526	3	6.5
581	Setto	194	351	626	551	3	6.5
582	Setto	343	352	629	628	3	6.5
583	Setto	101	344	632	551	3	6.5
584	Setto	963	634	633	371	3	6.5
585	Setto	48	637	636	401	3	6.5
586	Setto	52	640	639	484	3	6.5
587	Setto	55	660	642	490	3	6.5
588	Setto	58	676	671	495	3	6.5
589	Setto	61	691	686	526	3	6.5
590	Guscio	963	46	116	634	3	6.5
591	Guscio	48	49	192	637	3	6.5
592	Guscio	52	53	196	640	3	6.5
593	Guscio	55	56	198	660	3	6.5
594	Guscio	58	59	200	676	3	6.5
595	Guscio	61	62	202	691	3	6.5
596	Guscio	338	536	204	696	3	6.5
597	Guscio	337	497	206	681	3	6.5
598	Guscio	336	492	346	661	3	6.5
599	Guscio	261	487	391	641	3	6.5
600	Guscio	256	481	488	638	3	6.5
601	Guscio	339	386	515	635	3	6.5
602	Guscio	344	345	91	81	3	6.5
603	Guscio	106	111	348	345	3	5.0
604	Guscio	345	348	96	91	3	5.0
605	Guscio	349	350	352	343	3	6.5
606	Guscio	351	251	370	350	3	5.0
607	Guscio	350	370	342	352	3	5.0
608	Setto	371	381	46	963	3	6.5
609	Setto	386	341	396	381	3	5.0
610	Setto	381	396	47	46	3	5.0
611	Setto	401	406	49	48	3	6.5
612	Setto	481	225	483	406	3	5.0
613	Setto	406	483	51	49	3	5.0
614	Setto	484	486	53	52	3	6.5
615	Setto	487	226	489	486	3	5.0
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617	Setto	490	491	56	55	3	6.5
618	Setto	492	236	494	491	3	5.0
619	Setto	491	494	57	56	3	5.0
620	Setto	495	496	59	58	3	6.5
621	Setto	497	241	516	496	3	5.0
622	Setto	496	516	60	59	3	5.0
623	Setto	526	531	62	61	3	6.5

624	Setto	536	246	546	531	3	5.0
625	Setto	531	546	80	62	3	5.0
626	Setto	551	626	106	101	3	6.5
627	Setto	351	251	627	626	3	5.0
628	Setto	626	627	111	106	3	5.0
629	Setto	628	629	91	81	3	6.5
630	Setto	352	342	631	629	3	5.0
631	Setto	629	631	96	91	3	5.0
632	Setto	551	632	349	194	3	6.5
633	Setto	344	81	628	632	3	6.5
634	Setto	632	628	343	349	3	6.5
635	Setto	371	633	635	339	3	6.5
636	Setto	634	48	401	633	3	6.5
637	Setto	633	401	256	635	3	6.5
638	Setto	401	636	638	256	3	6.5
639	Setto	637	52	484	636	3	6.5
640	Setto	636	484	261	638	3	6.5
641	Setto	484	639	641	261	3	6.5
642	Setto	640	55	490	639	3	6.5
643	Setto	639	490	336	641	3	6.5
644	Setto	490	642	661	336	3	6.5
645	Setto	660	58	495	642	3	6.5
646	Setto	642	495	337	661	3	6.5
647	Setto	495	671	681	337	3	6.5
648	Setto	676	61	526	671	3	6.5
649	Setto	671	526	338	681	3	6.5
650	Setto	526	686	696	338	3	6.5
651	Setto	691	101	551	686	3	6.5
652	Setto	686	551	194	696	3	6.5
653	Guscio	634	116	49	48	3	6.5
654	Guscio	46	47	191	116	3	5.0
655	Guscio	116	191	51	49	3	5.0
656	Guscio	637	192	53	52	3	6.5
657	Guscio	49	51	193	192	3	5.0
658	Guscio	192	193	54	53	3	5.0
659	Guscio	640	196	56	55	3	6.5
660	Guscio	53	54	197	196	3	5.0
661	Guscio	196	197	57	56	3	5.0
662	Guscio	660	198	59	58	3	6.5
663	Guscio	56	57	199	198	3	5.0
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665	Guscio	676	200	62	61	3	6.5
666	Guscio	59	60	201	200	3	5.0
667	Guscio	200	201	80	62	3	5.0
668	Guscio	691	202	106	101	3	6.5
669	Guscio	62	80	203	202	3	5.0
670	Guscio	202	203	111	106	3	5.0
671	Guscio	696	204	351	194	3	6.5
672	Guscio	536	246	205	204	3	5.0
673	Guscio	204	205	251	351	3	5.0
674	Guscio	681	206	536	338	3	6.5
675	Guscio	497	241	207	206	3	5.0
676	Guscio	206	207	246	536	3	5.0
677	Guscio	661	346	497	337	3	6.5
678	Guscio	492	236	347	346	3	5.0
679	Guscio	346	347	241	497	3	5.0
680	Guscio	641	391	492	336	3	6.5
681	Guscio	487	226	482	391	3	5.0
682	Guscio	391	482	236	492	3	5.0
683	Guscio	638	488	487	261	3	6.5
684	Guscio	481	225	493	488	3	5.0
685	Guscio	488	493	226	487	3	5.0
686	Guscio	635	515	481	256	3	6.5
687	Guscio	386	341	541	515	3	5.0
688	Guscio	515	541	225	481	3	5.0
689	Guscio	745	763	762	761	3	6.5
690	Guscio	731	768	767	766	3	6.5
691	Setto	757	773	772	771	3	6.5
692	Setto	752	778	777	776	3	6.5
693	Setto	753	783	782	781	3	6.5
694	Setto	754	788	787	786	3	6.5
695	Setto	755	793	792	791	3	6.5
696	Setto	756	798	797	796	3	6.5
697	Setto	731	768	802	801	3	6.5
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699	Setto	745	761	807	801	3	6.5
700	Setto	728	809	808	771	3	6.5
701	Setto	740	812	811	776	3	6.5
702	Setto	741	815	814	781	3	6.5
703	Setto	742	818	817	786	3	6.5
704	Setto	743	821	820	791	3	6.5
705	Setto	744	824	823	796	3	6.5
706	Guscio	728	774	826	809	3	6.5
707	Guscio	740	779	828	812	3	6.5
708	Guscio	741	784	830	815	3	6.5
709	Guscio	742	789	832	818	3	6.5
710	Guscio	743	794	834	821	3	6.5
711	Guscio	744	799	836	824	3	6.5
712	Guscio	756	798	838	825	3	6.5
713	Guscio	755	793	840	822	3	6.5
714	Guscio	754	788	842	819	3	6.5
715	Guscio	753	783	844	816	3	6.5
716	Guscio	752	778	846	813	3	6.5
717	Guscio	757	773	848	810	3	6.5
718	Guscio	761	762	764	726	3	6.5
719	Guscio	763	739	765	762	3	5.0
720	Guscio	762	765	727	764	3	5.0
721	Guscio	766	767	769	760	3	6.5
722	Guscio	768	751	770	767	3	5.0
723	Guscio	767	770	759	769	3	5.0
724	Setto	771	772	774	728	3	6.5

725	Setto	773	758	775	772	3	5.0
726	Setto	772	775	725	774	3	5.0
727	Setto	776	777	779	740	3	6.5
728	Setto	778	746	780	777	3	5.0
729	Setto	777	780	734	779	3	5.0
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731	Setto	783	747	785	782	3	5.0
732	Setto	782	785	735	784	3	5.0
733	Setto	786	787	789	742	3	6.5
734	Setto	788	748	790	787	3	5.0
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736	Setto	791	792	794	743	3	6.5
737	Setto	793	749	795	792	3	5.0
738	Setto	792	795	737	794	3	5.0
739	Setto	796	797	799	744	3	6.5
740	Setto	798	750	800	797	3	5.0
741	Setto	797	800	738	799	3	5.0
742	Setto	801	802	763	745	3	6.5
743	Setto	768	751	803	802	3	5.0
744	Setto	802	803	739	763	3	5.0
745	Setto	804	805	764	726	3	6.5
746	Setto	769	759	806	805	3	5.0
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748	Setto	801	807	766	731	3	6.5
749	Setto	761	726	804	807	3	6.5
750	Setto	807	804	760	766	3	6.5
751	Setto	771	808	810	757	3	6.5
752	Setto	809	740	776	808	3	6.5
753	Setto	808	776	752	810	3	6.5
754	Setto	776	811	813	752	3	6.5
755	Setto	812	741	781	811	3	6.5
756	Setto	811	781	753	813	3	6.5
757	Setto	781	814	816	753	3	6.5
758	Setto	815	742	786	814	3	6.5
759	Setto	814	786	754	816	3	6.5
760	Setto	786	817	819	754	3	6.5
761	Setto	818	743	791	817	3	6.5
762	Setto	817	791	755	819	3	6.5
763	Setto	791	820	822	755	3	6.5
764	Setto	821	744	796	820	3	6.5
765	Setto	820	796	756	822	3	6.5
766	Setto	796	823	825	756	3	6.5
767	Setto	824	745	801	823	3	6.5
768	Setto	823	801	731	825	3	6.5
769	Guscio	809	826	779	740	3	6.5
770	Guscio	774	725	827	826	3	5.0
771	Guscio	826	827	734	779	3	5.0
772	Guscio	812	828	784	741	3	6.5
773	Guscio	779	734	829	828	3	5.0
774	Guscio	828	829	735	784	3	5.0
775	Guscio	815	830	789	742	3	6.5
776	Guscio	784	735	831	830	3	5.0
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778	Guscio	818	832	794	743	3	6.5
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781	Guscio	821	834	799	744	3	6.5
782	Guscio	794	737	835	834	3	5.0
783	Guscio	834	835	738	799	3	5.0
784	Guscio	824	836	763	745	3	6.5
785	Guscio	799	738	837	836	3	5.0
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787	Guscio	825	838	768	731	3	6.5
788	Guscio	798	750	839	838	3	5.0
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790	Guscio	822	840	798	756	3	6.5
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794	Guscio	788	748	843	842	3	5.0
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796	Guscio	816	844	788	754	3	6.5
797	Guscio	783	747	845	844	3	5.0
798	Guscio	844	845	748	788	3	5.0
799	Guscio	813	846	783	753	3	6.5
800	Guscio	778	746	847	846	3	5.0
801	Guscio	846	847	747	783	3	5.0
802	Guscio	810	848	778	752	3	6.5
803	Guscio	773	758	849	848	3	5.0
804	Guscio	848	849	746	778	3	5.0
805	Guscio	886	887	926	925	3	6.5
806	Guscio	897	932	931	930	3	6.5
807	Setto	921	937	936	935	3	6.5
808	Setto	916	942	941	940	3	6.5
809	Setto	917	947	946	945	3	6.5
810	Setto	918	952	951	950	3	6.5
811	Setto	919	957	956	955	3	6.5
812	Setto	920	962	961	960	3	6.5
813	Setto	897	932	966	965	3	6.5
814	Setto	924	933	969	968	3	6.5
815	Setto	886	925	971	965	3	6.5
816	Setto	850	973	972	935	3	6.5
817	Setto	856	976	975	940	3	6.5
818	Setto	862	979	978	945	3	6.5
819	Setto	868	982	981	950	3	6.5
820	Setto	874	985	984	955	3	6.5
821	Setto	880	988	987	960	3	6.5
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823	Guscio	856	857	992	976	3	6.5
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825	Guscio	868	869	4	982	3	6.5

826	Guscio	874	875	6	985	3	6.5
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843	Setto	940	941	857	856	3	6.5
844	Setto	942	910	944	941	3	5.0
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846	Setto	945	946	863	862	3	6.5
847	Setto	947	911	949	946	3	5.0
848	Setto	946	949	864	863	3	5.0
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855	Setto	960	961	881	880	3	6.5
856	Setto	962	914	964	961	3	5.0
857	Setto	961	964	882	881	3	5.0
858	Setto	965	966	887	886	3	6.5
859	Setto	932	915	967	966	3	5.0
860	Setto	966	967	888	887	3	5.0
861	Setto	968	969	884	883	3	6.5
862	Setto	933	923	970	969	3	5.0
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867	Setto	935	972	974	921	3	6.5
868	Setto	973	856	940	972	3	6.5
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870	Setto	940	975	977	916	3	6.5
871	Setto	976	862	945	975	3	6.5
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873	Setto	945	978	980	917	3	6.5
874	Setto	979	868	950	978	3	6.5
875	Setto	978	950	918	980	3	6.5
876	Setto	950	981	983	918	3	6.5
877	Setto	982	874	955	981	3	6.5
878	Setto	981	955	919	983	3	6.5
879	Setto	955	984	986	919	3	6.5
880	Setto	985	880	960	984	3	6.5
881	Setto	984	960	920	986	3	6.5
882	Setto	960	987	989	920	3	6.5
883	Setto	988	886	965	987	3	6.5
884	Setto	987	965	897	989	3	6.5
885	Guscio	973	990	857	856	3	6.5
886	Guscio	851	852	991	990	3	5.0
887	Guscio	990	991	858	857	3	5.0
888	Guscio	976	992	863	862	3	6.5
889	Guscio	857	858	1	992	3	5.0
890	Guscio	992	1	864	863	3	5.0
891	Guscio	979	2	869	868	3	6.5
892	Guscio	863	864	3	2	3	5.0
893	Guscio	2	3	870	869	3	5.0
894	Guscio	982	4	875	874	3	6.5
895	Guscio	869	870	5	4	3	5.0
896	Guscio	4	5	876	875	3	5.0
897	Guscio	985	6	881	880	3	6.5
898	Guscio	875	876	7	6	3	5.0
899	Guscio	6	7	882	881	3	5.0
900	Guscio	988	8	887	886	3	6.5
901	Guscio	881	882	9	8	3	5.0
902	Guscio	8	9	888	887	3	5.0
903	Guscio	989	10	932	897	3	6.5
904	Guscio	962	914	11	10	3	5.0
905	Guscio	10	11	915	932	3	5.0
906	Guscio	986	12	962	920	3	6.5
907	Guscio	957	913	13	12	3	5.0
908	Guscio	12	13	914	962	3	5.0
909	Guscio	983	14	957	919	3	6.5
910	Guscio	952	912	15	14	3	5.0
911	Guscio	14	15	913	957	3	5.0
912	Guscio	980	16	952	918	3	6.5
913	Guscio	947	911	17	16	3	5.0
914	Guscio	16	17	912	952	3	5.0
915	Guscio	977	18	947	917	3	6.5
916	Guscio	942	910	19	18	3	5.0
917	Guscio	18	19	911	947	3	5.0
918	Guscio	974	20	942	916	3	6.5
919	Guscio	937	922	21	20	3	5.0
920	Guscio	20	21	910	942	3	5.0
921	Guscio	43	44	79	78	3	6.5
922	Guscio	50	85	84	83	3	6.5
923	Setto	74	90	89	88	3	6.5
924	Setto	69	95	94	93	3	6.5
925	Setto	70	100	99	98	3	6.5
926	Setto	71	105	104	103	3	6.5

927	Setto	72	110	109	108	3	6.5
928	Setto	73	115	114	113	3	6.5

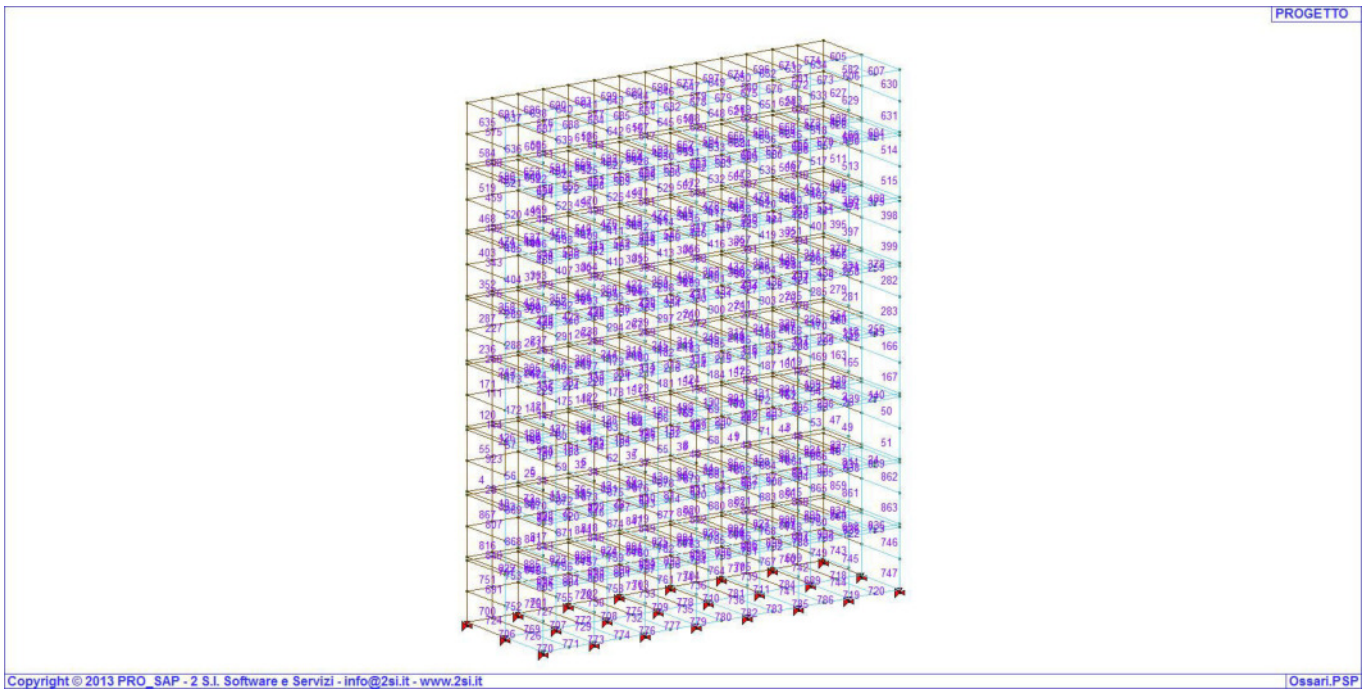


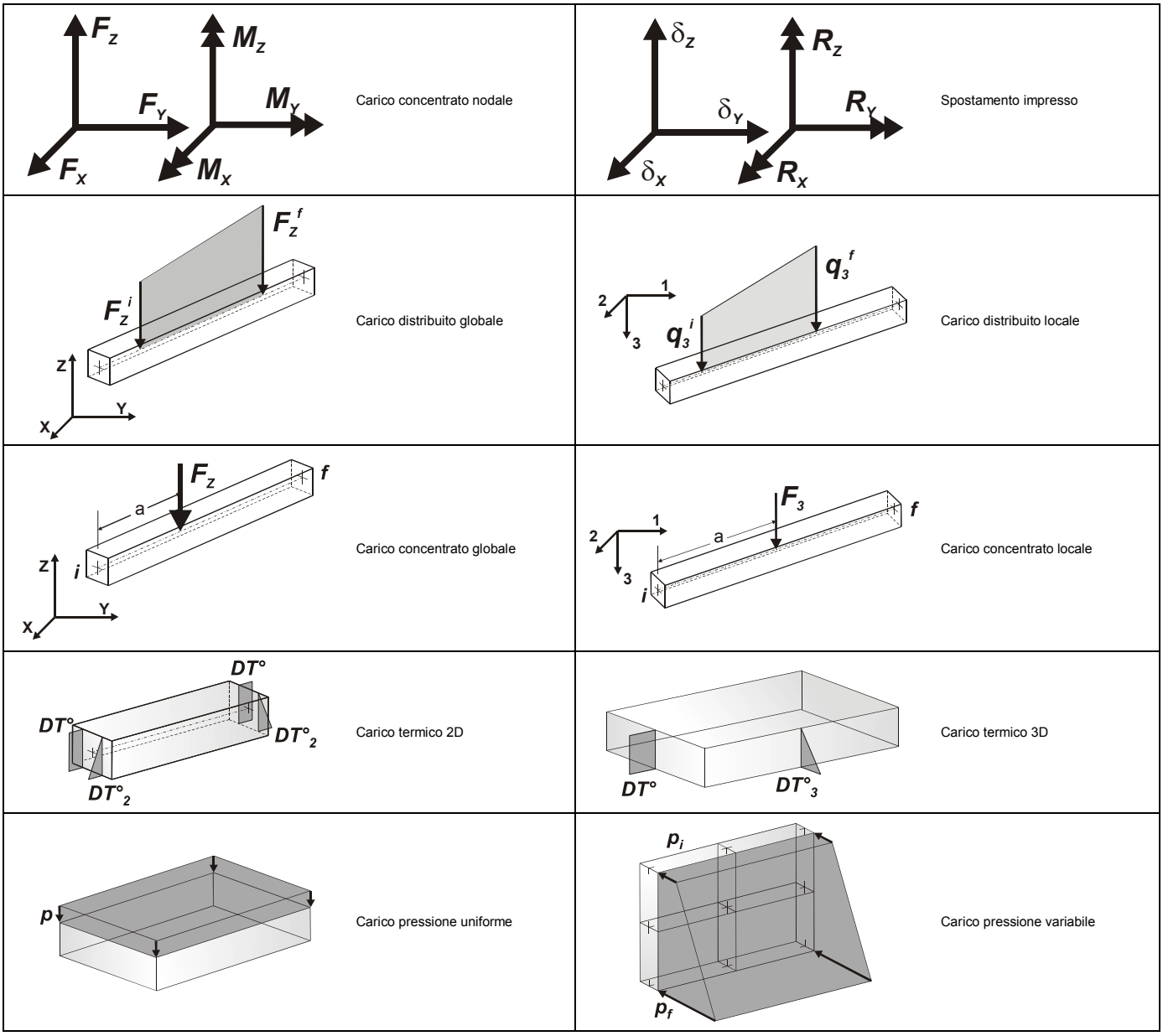
Fig. 3

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



Tipo	carico concentrato nodale

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		daN	daN	daN	daN m	daN m	daN m
2	Permanente Tappo	0.0	0.0	-50.00	0.0	0.0	0.0

Tipo	carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	daN/ m2	m	daN/ m2
1	Carico Variabile Piastre				
	Y - Y Qz Area L2=0.0	-10.00	-250.00	10.00	-250.00

Id	Tipo	ascissa	valore	ascissa	valore
3	neve				
	Y - Y Qz Area L2=0.0	-10.00	-80.00	10.00	-80.00
4	Timpano				
	Y - Y Qz Area L2=0.0	-10.00	-200.00	10.00	-200.00

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	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

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

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

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

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

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

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:0.80 per 10 CDC=Qk (Carico Timpano Copertura)
			partecipazione:1.00 per 11 CDC=G1k (Permanente)
			partecipazione:0.80 per 13 CDC=Qk (Neve Copertura)
			partecipazione:0.80 per 14 CDC=Qk (variabile Loculi)
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	Qk	CDC=Qk (Carico Timpano Copertura)	D3 : 574 Azione : Timpano
			D3 :da 596 a 601 Azione : Timpano
			D3 :da 605 a 607 Azione : Timpano
			D3 :da 671 a 688 Azione : Timpano
11	Gk	CDC=G1k (Permanente)	Nodo: 1 Azione : Permanente Tappo
			Nodo: 3 Azione : Permanente Tappo
			Nodo: 5 Azione : Permanente Tappo
			Nodo: 7 Azione : Permanente Tappo
			Nodo: 9 Azione : Permanente Tappo
			Nodo: 82 Azione : Permanente Tappo
			Nodo: 144 Azione : Permanente Tappo
			Nodo: 146 Azione : Permanente Tappo
			Nodo: 148 Azione : Permanente Tappo
			Nodo: 150 Azione : Permanente Tappo
			Nodo: 152 Azione : Permanente Tappo
			Nodo: 154 Azione : Permanente Tappo
			Nodo: 191 Azione : Permanente Tappo
			Nodo: 193 Azione : Permanente Tappo
			Nodo: 197 Azione : Permanente Tappo
			Nodo: 199 Azione : Permanente Tappo
			Nodo: 201 Azione : Permanente Tappo
			Nodo: 203 Azione : Permanente Tappo
			Nodo: 205 Azione : Permanente Tappo
			Nodo: 227 Azione : Permanente Tappo
			Nodo: 289 Azione : Permanente Tappo
			Nodo: 291 Azione : Permanente Tappo
			Nodo: 293 Azione : Permanente Tappo
			Nodo: 295 Azione : Permanente Tappo
			Nodo: 297 Azione : Permanente Tappo
			Nodo: 299 Azione : Permanente Tappo
			Nodo: 348 Azione : Permanente Tappo
			Nodo: 372 Azione : Permanente Tappo
			Nodo: 434 Azione : Permanente Tappo
			Nodo: 436 Azione : Permanente Tappo
			Nodo: 438 Azione : Permanente Tappo
			Nodo: 440 Azione : Permanente Tappo
			Nodo: 442 Azione : Permanente Tappo
			Nodo: 444 Azione : Permanente Tappo
			Nodo: 517 Azione : Permanente Tappo
			Nodo: 579 Azione : Permanente Tappo
			Nodo: 581 Azione : Permanente Tappo
			Nodo: 583 Azione : Permanente Tappo
			Nodo: 585 Azione : Permanente Tappo
			Nodo: 587 Azione : Permanente Tappo

CDC	Tipo	Sigla Id	Note
			Nodo: 589 Azione : Permanente Tappo
			Nodo: 662 Azione : Permanente Tappo
			Nodo: 765 Azione : Permanente Tappo
			Nodo: 827 Azione : Permanente Tappo
			Nodo: 829 Azione : Permanente Tappo
			Nodo: 831 Azione : Permanente Tappo
			Nodo: 833 Azione : Permanente Tappo
			Nodo: 835 Azione : Permanente Tappo
			Nodo: 837 Azione : Permanente Tappo
			Nodo: 893 Azione : Permanente Tappo
			Nodo: 895 Azione : Permanente Tappo
			Nodo: 898 Azione : Permanente Tappo
			Nodo: 900 Azione : Permanente Tappo
			Nodo: 902 Azione : Permanente Tappo
			Nodo: 904 Azione : Permanente Tappo
			Nodo: 929 Azione : Permanente Tappo
			Nodo: 991 Azione : Permanente Tappo
12	Qtk	CDC=Qtk (carico termico) dT= 15.00	variazione termica:15.00
13	Qk	CDC=Qk (Neve Copertura)	D3 : 574 Azione : neve
			D3 :da 596 a 601 Azione : neve
			D3 :da 605 a 607 Azione : neve
			D3 :da 671 a 688 Azione : neve
14	Qk	CDC=Qk (variabile Loculi)	D3 :da 10 a 15 Azione : Carico Variabile Piastre
			D3 :da 22 a 24 Azione : Carico Variabile Piastre
			D3 :da 73 a 90 Azione : Carico Variabile Piastre
			D3 : 109 Azione : Carico Variabile Piastre
			D3 :da 126 a 131 Azione : Carico Variabile Piastre
			D3 :da 138 a 140 Azione : Carico Variabile Piastre
			D3 :da 189 a 206 Azione : Carico Variabile Piastre
			D3 : 225 Azione : Carico Variabile Piastre
			D3 :da 242 a 247 Azione : Carico Variabile Piastre
			D3 :da 254 a 256 Azione : Carico Variabile Piastre
			D3 :da 305 a 322 Azione : Carico Variabile Piastre
			D3 : 341 Azione : Carico Variabile Piastre
			D3 :da 358 a 363 Azione : Carico Variabile Piastre
			D3 :da 370 a 372 Azione : Carico Variabile Piastre
			D3 :da 421 a 438 Azione : Carico Variabile Piastre
			D3 : 457 Azione : Carico Variabile Piastre
			D3 :da 474 a 479 Azione : Carico Variabile Piastre
			D3 :da 486 a 488 Azione : Carico Variabile Piastre
			D3 :da 537 a 554 Azione : Carico Variabile Piastre
			D3 : 573 Azione : Carico Variabile Piastre
			D3 :da 590 a 595 Azione : Carico Variabile Piastre
			D3 :da 602 a 604 Azione : Carico Variabile Piastre
			D3 :da 653 a 670 Azione : Carico Variabile Piastre
			D3 : 805 Azione : Carico Variabile Piastre
			D3 :da 822 a 827 Azione : Carico Variabile Piastre
			D3 :da 834 a 836 Azione : Carico Variabile Piastre
			D3 :da 885 a 902 Azione : Carico Variabile Piastre
			D3 : 921 Azione : Carico Variabile Piastre

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

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

Dove:

NTC 2008 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 2008 Tabella 2.6.I

		Coefficiente γf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli	$\gamma G1$	0,9	1,0	1,0
	Sfavorevoli		1,1	1,3	1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli	$\gamma G2$	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3
Carichi variabili	Favorevoli	γQi	0,0	0,0	0,0
	Sfavorevoli		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLU	Comb. SLU A1 33	
34	SLU	Comb. SLU A1 34	
35	SLU	Comb. SLU A1 35	
36	SLU	Comb. SLU A1 36	
37	SLU	Comb. SLU A1 37	
38	SLU	Comb. SLU A1 38	
39	SLU	Comb. SLU A1 39	
40	SLU	Comb. SLU A1 40	
41	SLU	Comb. SLU A1 41	
42	SLU	Comb. SLU A1 42	
43	SLU	Comb. SLU A1 43	
44	SLU	Comb. SLU A1 44	
45	SLU	Comb. SLU A1 45	
46	SLU	Comb. SLU A1 46	
47	SLU	Comb. SLU A1 47	
48	SLU	Comb. SLU A1 48	
49	SLU	Comb. SLU A1 49	
50	SLU	Comb. SLU A1 50	
51	SLU	Comb. SLU A1 51	
52	SLU	Comb. SLU A1 52	
53	SLU	Comb. SLU A1 53	
54	SLU	Comb. SLU A1 54	
55	SLU	Comb. SLU A1 55	
56	SLU	Comb. SLU A1 56	
57	SLU	Comb. SLU A1 57	
58	SLU	Comb. SLU A1 58	
59	SLU	Comb. SLU A1 59	
60	SLU	Comb. SLU A1 60	
61	SLU	Comb. SLU A1 61	
62	SLU	Comb. SLU A1 62	
63	SLU	Comb. SLU A1 63	
64	SLU	Comb. SLU A1 64	
65	SLU	Comb. SLU A1 (SLV sism.) 65	
66	SLU	Comb. SLU A1 (SLV sism.) 66	
67	SLU	Comb. SLU A1 (SLV sism.) 67	
68	SLU	Comb. SLU A1 (SLV sism.) 68	
69	SLU	Comb. SLU A1 (SLV sism.) 69	
70	SLU	Comb. SLU A1 (SLV sism.) 70	
71	SLU	Comb. SLU A1 (SLV sism.) 71	
72	SLU	Comb. SLU A1 (SLV sism.) 72	
73	SLU	Comb. SLU A1 (SLV sism.) 73	
74	SLU	Comb. SLU A1 (SLV sism.) 74	
75	SLU	Comb. SLU A1 (SLV sism.) 75	
76	SLU	Comb. SLU A1 (SLV sism.) 76	
77	SLU	Comb. SLU A1 (SLV sism.) 77	
78	SLU	Comb. SLU A1 (SLV sism.) 78	
79	SLU	Comb. SLU A1 (SLV sism.) 79	
80	SLU	Comb. SLU A1 (SLV sism.) 80	
81	SLU	Comb. SLU A1 (SLV sism.) 81	
82	SLU	Comb. SLU A1 (SLV sism.) 82	
83	SLU	Comb. SLU A1 (SLV sism.) 83	
84	SLU	Comb. SLU A1 (SLV sism.) 84	
85	SLU	Comb. SLU A1 (SLV sism.) 85	
86	SLU	Comb. SLU A1 (SLV sism.) 86	
87	SLU	Comb. SLU A1 (SLV sism.) 87	
88	SLU	Comb. SLU A1 (SLV sism.) 88	
89	SLU	Comb. SLU A1 (SLV sism.) 89	
90	SLU	Comb. SLU A1 (SLV sism.) 90	
91	SLU	Comb. SLU A1 (SLV sism.) 91	

Cmb	Tipo	Sigla Id	effetto P-delta
92	SLU	Comb. SLU A1 (SLV sism.) 92	
93	SLU	Comb. SLU A1 (SLV sism.) 93	
94	SLU	Comb. SLU A1 (SLV sism.) 94	
95	SLU	Comb. SLU A1 (SLV sism.) 95	
96	SLU	Comb. SLU A1 (SLV sism.) 96	
97	SLD(sis)	Comb. SLE (SLD Danno sism.) 97	
98	SLD(sis)	Comb. SLE (SLD Danno sism.) 98	
99	SLD(sis)	Comb. SLE (SLD Danno sism.) 99	
100	SLD(sis)	Comb. SLE (SLD Danno sism.) 100	
101	SLD(sis)	Comb. SLE (SLD Danno sism.) 101	
102	SLD(sis)	Comb. SLE (SLD Danno sism.) 102	
103	SLD(sis)	Comb. SLE (SLD Danno sism.) 103	
104	SLD(sis)	Comb. SLE (SLD Danno sism.) 104	
105	SLD(sis)	Comb. SLE (SLD Danno sism.) 105	
106	SLD(sis)	Comb. SLE (SLD Danno sism.) 106	
107	SLD(sis)	Comb. SLE (SLD Danno sism.) 107	
108	SLD(sis)	Comb. SLE (SLD Danno sism.) 108	
109	SLD(sis)	Comb. SLE (SLD Danno sism.) 109	
110	SLD(sis)	Comb. SLE (SLD Danno sism.) 110	
111	SLD(sis)	Comb. SLE (SLD Danno sism.) 111	
112	SLD(sis)	Comb. SLE (SLD Danno sism.) 112	
113	SLD(sis)	Comb. SLE (SLD Danno sism.) 113	
114	SLD(sis)	Comb. SLE (SLD Danno sism.) 114	
115	SLD(sis)	Comb. SLE (SLD Danno sism.) 115	
116	SLD(sis)	Comb. SLE (SLD Danno sism.) 116	
117	SLD(sis)	Comb. SLE (SLD Danno sism.) 117	
118	SLD(sis)	Comb. SLE (SLD Danno sism.) 118	
119	SLD(sis)	Comb. SLE (SLD Danno sism.) 119	
120	SLD(sis)	Comb. SLE (SLD Danno sism.) 120	
121	SLD(sis)	Comb. SLE (SLD Danno sism.) 121	
122	SLD(sis)	Comb. SLE (SLD Danno sism.) 122	
123	SLD(sis)	Comb. SLE (SLD Danno sism.) 123	
124	SLD(sis)	Comb. SLE (SLD Danno sism.) 124	
125	SLD(sis)	Comb. SLE (SLD Danno sism.) 125	
126	SLD(sis)	Comb. SLE (SLD Danno sism.) 126	
127	SLD(sis)	Comb. SLE (SLD Danno sism.) 127	
128	SLD(sis)	Comb. SLE (SLD Danno sism.) 128	
129	SLE(r)	Comb. SLE(rara) 129	
130	SLE(r)	Comb. SLE(rara) 130	
131	SLE(r)	Comb. SLE(rara) 131	
132	SLE(r)	Comb. SLE(rara) 132	
133	SLE(r)	Comb. SLE(rara) 133	
134	SLE(r)	Comb. SLE(rara) 134	
135	SLE(r)	Comb. SLE(rara) 135	
136	SLE(r)	Comb. SLE(rara) 136	
137	SLE(r)	Comb. SLE(rara) 137	
138	SLE(r)	Comb. SLE(rara) 138	
139	SLE(r)	Comb. SLE(rara) 139	
140	SLE(r)	Comb. SLE(rara) 140	
141	SLE(r)	Comb. SLE(rara) 141	
142	SLE(r)	Comb. SLE(rara) 142	
143	SLE(r)	Comb. SLE(rara) 143	
144	SLE(r)	Comb. SLE(rara) 144	
145	SLE(r)	Comb. SLE(rara) 145	
146	SLE(r)	Comb. SLE(rara) 146	
147	SLE(r)	Comb. SLE(rara) 147	
148	SLE(r)	Comb. SLE(rara) 148	
149	SLE(r)	Comb. SLE(rara) 149	
150	SLE(r)	Comb. SLE(rara) 150	
151	SLE(r)	Comb. SLE(rara) 151	
152	SLE(r)	Comb. SLE(rara) 152	
153	SLE(r)	Comb. SLE(rara) 153	
154	SLE(r)	Comb. SLE(rara) 154	
155	SLE(r)	Comb. SLE(rara) 155	
156	SLE(r)	Comb. SLE(rara) 156	
157	SLE(r)	Comb. SLE(rara) 157	
158	SLE(r)	Comb. SLE(rara) 158	
159	SLE(r)	Comb. SLE(rara) 159	
160	SLE(r)	Comb. SLE(rara) 160	
161	SLE(f)	Comb. SLE(freq.) 161	
162	SLE(f)	Comb. SLE(freq.) 162	
163	SLE(f)	Comb. SLE(freq.) 163	
164	SLE(f)	Comb. SLE(freq.) 164	
165	SLE(f)	Comb. SLE(freq.) 165	
166	SLE(f)	Comb. SLE(freq.) 166	
167	SLE(f)	Comb. SLE(freq.) 167	
168	SLE(f)	Comb. SLE(freq.) 168	
169	SLE(f)	Comb. SLE(freq.) 169	
170	SLE(f)	Comb. SLE(freq.) 170	
171	SLE(f)	Comb. SLE(freq.) 171	
172	SLE(f)	Comb. SLE(freq.) 172	
173	SLE(f)	Comb. SLE(freq.) 173	
174	SLE(f)	Comb. SLE(freq.) 174	
175	SLE(f)	Comb. SLE(freq.) 175	
176	SLE(f)	Comb. SLE(freq.) 176	
177	SLE(f)	Comb. SLE(freq.) 177	
178	SLE(f)	Comb. SLE(freq.) 178	
179	SLE(f)	Comb. SLE(freq.) 179	
180	SLE(f)	Comb. SLE(freq.) 180	
181	SLE(f)	Comb. SLE(freq.) 181	
182	SLE(f)	Comb. SLE(freq.) 182	
183	SLE(f)	Comb. SLE(freq.) 183	
184	SLE(f)	Comb. SLE(freq.) 184	
185	SLE(f)	Comb. SLE(freq.) 185	
186	SLE(f)	Comb. SLE(freq.) 186	
187	SLE(f)	Comb. SLE(freq.) 187	
188	SLE(f)	Comb. SLE(freq.) 188	

Cmb	Tipo	Sigla Id	effetto P-delta
189	SLE(f)	Comb. SLE(freq.) 189	
190	SLE(f)	Comb. SLE(freq.) 190	
191	SLE(f)	Comb. SLE(freq.) 191	
192	SLE(f)	Comb. SLE(freq.) 192	
193	SLE(f)	Comb. SLE(freq.) 193	
194	SLE(f)	Comb. SLE(freq.) 194	
195	SLE(f)	Comb. SLE(freq.) 195	
196	SLE(p)	Comb. SLE(perm.) 196	
197	SLE(p)	Comb. SLE(perm.) 197	
198	SLE(p)	Comb. SLE(perm.) 198	
199	SLE(p)	Comb. SLE(perm.) 199	
200	SLE(p)	Comb. SLE(perm.) 200	
201	SLE(p)	Comb. SLE(perm.) 201	
202	SLE(p)	Comb. SLE(perm.) 202	
203	SLE(p)	Comb. SLE(perm.) 203	

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	0.0	1.30	-0.90	0.0	0.0
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-0.90	0.0	1.50
3	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-0.90	1.50	0.0
4	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-0.90	1.50	1.50
5	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	0.0	0.0
6	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	0.0	1.50
7	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	1.50	0.0
8	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	1.50	1.50
9	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	0.0	0.0
10	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	0.0	1.50
11	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	1.50	0.0
12	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	1.50	1.50
13	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	0.0	0.0
14	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	0.0	1.50
15	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	1.50	0.0
16	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	1.50	1.50
17	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	0.0	0.0
18	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	0.0	1.50
19	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	1.50	0.0
20	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	1.50	1.50
21	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	0.0	0.0
22	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	0.0	1.50
23	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	1.50	0.0
24	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	1.50	1.50
25	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	0.0	0.0
26	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	0.0	1.50
27	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	1.50	0.0
28	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	1.50	1.50
29	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	0.0	0.0
30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	0.0	1.50
31	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	1.50	0.0
32	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	1.50	1.50
33	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	0.0	0.0
34	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	0.0	1.50
35	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	1.50	0.0
36	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	1.50	1.50
37	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	0.0
38	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	1.50
39	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.50	0.0
40	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.50	1.50
41	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	0.0	0.0
42	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	0.0	1.50
43	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	1.50	0.0
44	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	1.50	1.50
45	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	0.0	0.0
46	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	0.0	1.50
47	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	1.50	0.0
48	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	1.50	1.50
49	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	0.0	0.0
50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	0.0	1.50
51	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	1.50	0.0
52	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	1.50	1.50
53	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	0.0	0.0
54	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	0.0	1.50
55	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	1.50	0.0
56	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	1.50	1.50
57	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	0.0	0.0
58	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	0.0	1.50
59	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	1.50	0.0
60	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	1.50	1.50
61	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	0.0	0.0
62	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	0.0	1.50
63	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	1.50	0.0
64	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	1.50	1.50
65	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
66	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
67	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
68	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
69	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
70	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
71	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
72	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
73	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
74	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	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...
75	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
76	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
77	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
78	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
79	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
80	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
81	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
82	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
83	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
84	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
85	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
86	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
87	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
88	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
89	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
90	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
91	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
92	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
93	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
94	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
95	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
96	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
97	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
98	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.80	1.00	0.0	0.80	0.80
99	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
100	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.80	1.00	0.0	0.80	0.80
101	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
102	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.80	1.00	0.0	0.80	0.80
103	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
104	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.80	1.00	0.0	0.80	0.80
105	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
106	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.80	1.00	0.0	0.80	0.80
107	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
108	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.80	1.00	0.0	0.80	0.80
109	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
110	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.80	1.00	0.0	0.80	0.80
111	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
112	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.80	1.00	0.0	0.80	0.80
113	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
114	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.80	1.00	0.0	0.80	0.80
115	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
116	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.80	1.00	0.0	0.80	0.80
117	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
118	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.80	1.00	0.0	0.80	0.80
119	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
120	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.80	1.00	0.0	0.80	0.80
121	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
122	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.80	1.00	0.0	0.80	0.80
123	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
124	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.80	1.00	0.0	0.80	0.80
125	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
126	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.80	1.00	0.0	0.80	0.80
127	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
128	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.80	1.00	0.0	0.80	0.80
129	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	0.0	0.0
130	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	0.0	1.00
131	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	1.00	0.0
132	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	1.00	1.00
133	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.0	0.0
134	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.0	1.00
135	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	1.00	0.0
136	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	1.00	1.00
137	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	0.0	0.0
138	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	0.0	1.00
139	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	1.00	0.0
140	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	1.00	1.00
141	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	0.0	0.0
142	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	0.0	1.00
143	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	1.00	0.0
144	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	1.00	1.00
145	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	0.0	0.0
146	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	0.0	1.00
147	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	1.00	0.0
148	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	1.00	1.00
149	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0
150	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	1.00
151	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0
152	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00
153	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-1.00	0.0	0.0
154	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-1.00	0.0	1.00
155	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
156	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
157	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	0.0
158	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	1.00
159	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
160	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
161	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0
162	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.80
163	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.0
164	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.80
165	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.0	0.0
166	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.0	0.80
167	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.80	0.0
168	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.80	0.80
169	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.0	0.0
170	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.0	0.80
171	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.80	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
172	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.80	0.80
173	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.0
174	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.80
175	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.80	0.0
176	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.80	0.80
177	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.0	0.0
178	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.0	0.80
179	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.80	0.0
180	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.80	0.80
181	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.0	0.0
182	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.0	0.80
183	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.80	0.0
184	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.80	0.80
185	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.90	0.0
186	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.90	0.80
187	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.0
188	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.80
189	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.90	0.0
190	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.90	0.80
191	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.90
192	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.90
193	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.90
194	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.0
195	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.90
196	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0
197	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.80
198	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.0
199	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.80
200	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.0
201	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.80
202	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.0
203	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80

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 (3.2.5)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	13.849	37.360	
48734	13.804	37.335	4.837
48735	13.867	37.334	3.289
48513	13.867	37.384	3.097
48512	13.804	37.385	4.836

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.0	0.026	2.510	0.230
SLD	63.0	75.0	0.033	2.510	0.280
SLV	10.0	712.0	0.069	2.660	0.460
SLC	5.0	1462.0	0.085	2.730	0.510

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.026	1.200	2.510	0.551	0.113	0.339	1.706
SLD	0.033	1.200	2.510	0.612	0.132	0.397	1.730
SLV	0.069	1.200	2.660	0.942	0.197	0.591	1.875
SLC	0.085	1.200	2.730	1.072	0.214	0.642	1.938

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 di struttura q	Fattore 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 sottoriportati (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 l' allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU (SLC per il DM 14-01-2008) sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell' elastomero e tensioni nell' acciaio.

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

Affinchè 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
65	MASSE SISMICHE
70	PROGETTO DI ISOLATORI ELASTOMERICI
71	VERIFICA DI ISOLATORI ELASTOMERICI
72	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.110 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.118 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	0.0	-0.12	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	0.0	-0.12	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	0.0	-0.12	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	0.0	-0.12	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.510	0.118	0.099	9386.44	66.4	2315.90	16.4	0.75	5.33e-03	0.0	0.0
2	8.662	0.115	0.099	2379.01	16.8	9626.88	68.1	0.21	1.48e-03	0.0	0.0
3	13.719	0.073	0.093	103.49	0.7	134.43	1.0	0.08	5.43e-04	0.0	0.0
4	25.139	0.040	0.088	1392.52	9.9	91.85	0.6	8.13	5.75e-02	0.0	0.0
5	25.856	0.039	0.088	110.19	0.8	1200.09	8.5	0.73	5.15e-03	0.0	0.0
6	40.685	0.025	0.086	6.14	4.35e-02	27.71	0.2	0.99	7.01e-03	0.0	0.0
7	42.542	0.024	0.086	368.12	2.6	18.39	0.1	2.08	1.47e-02	0.0	0.0
8	43.507	0.023	0.086	21.63	0.2	344.03	2.4	0.04	2.89e-04	0.0	0.0
9	56.820	0.018	0.085	149.83	1.1	0.70	4.92e-03	6.10	4.32e-02	0.0	0.0
10	59.830	0.017	0.085	0.54	3.84e-03	162.06	1.1	0.04	3.05e-04	0.0	0.0
11	68.090	0.015	0.085	76.06	0.5	0.09	6.70e-04	3.81	2.70e-02	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
12	69.980	0.014	0.085	1.52	1.08e-02	6.20e-03	4.39e-05	0.41	2.90e-03	0.0	0.0
Risulta				1.400e+04		1.392e+04		23.37			
In percentuale				99.03		98.51		0.17			

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) = 0.110 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.118 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	0.0	0.12	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	0.0	0.12	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	0.0	0.12	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	0.0	0.12	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.497	0.118	0.099	9425.70	66.7	2245.68	15.9	0.77	5.43e-03	0.0	0.0
2	8.665	0.115	0.099	2313.29	16.4	9699.52	68.6	0.20	1.40e-03	0.0	0.0
3	13.765	0.073	0.093	131.73	0.9	132.03	0.9	0.06	4.04e-04	0.0	0.0
4	25.109	0.040	0.088	1386.76	9.8	91.57	0.6	8.22	5.82e-02	0.0	0.0
5	25.860	0.039	0.088	110.72	0.8	1200.50	8.5	0.68	4.85e-03	0.0	0.0
6	40.801	0.025	0.086	21.65	0.2	29.98	0.2	0.47	3.35e-03	0.0	0.0
7	42.521	0.024	0.086	360.69	2.6	9.71	6.87e-02	2.40	1.70e-02	0.0	0.0
8	43.497	0.023	0.086	15.84	0.1	350.29	2.5	0.02	1.72e-04	0.0	0.0
9	56.797	0.018	0.085	151.38	1.1	0.65	4.58e-03	6.22	4.40e-02	0.0	0.0
10	59.828	0.017	0.085	0.48	3.43e-03	162.11	1.1	0.02	1.63e-04	0.0	0.0
11	68.076	0.015	0.085	73.75	0.5	0.06	4.54e-04	3.74	2.65e-02	0.0	0.0
12	70.114	0.014	0.085	3.72	2.63e-02	9.55e-03	6.76e-05	0.25	1.74e-03	0.0	0.0
Risulta				1.400e+04		1.392e+04		23.06			
In percentuale				99.03		98.51		0.16			

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) = 0.110 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.117 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B

CDC	Tipo	Sigla Id	Note
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	0.04	0.0	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	0.04	0.0	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	0.04	0.0	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	0.04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.581	0.117	0.099	365.61	2.6	1.146e+04	81.1	0.03	2.32e-04	0.0	0.0
2	8.604	0.116	0.099	1.150e+04	81.4	368.02	2.6	0.97	6.88e-03	0.0	0.0
3	13.585	0.074	0.093	0.51	3.60e-03	244.57	1.7	3.18e-04	2.25e-06	0.0	0.0
4	25.366	0.039	0.088	1511.88	10.7	0.76	5.40e-03	9.25	6.55e-02	0.0	0.0
5	25.653	0.039	0.088	0.99	7.02e-03	1283.03	9.1	3.55e-03	2.51e-05	0.0	0.0
6	40.332	0.025	0.086	0.72	5.10e-03	42.46	0.3	0.02	1.19e-04	0.0	0.0
7	42.855	0.023	0.086	385.36	2.7	0.58	4.08e-03	2.36	1.67e-02	0.0	0.0
8	43.293	0.023	0.086	0.30	2.09e-03	355.28	2.5	2.33e-03	1.65e-05	0.0	0.0
9	57.141	0.018	0.085	151.89	1.1	2.34e-06	0.0	6.42	4.54e-02	0.0	0.0
10	59.596	0.017	0.085	4.05e-04	2.86e-06	163.22	1.2	1.14e-03	8.04e-06	0.0	0.0
11	68.395	0.015	0.085	74.53	0.5	8.14e-03	5.76e-05	3.88	2.75e-02	0.0	0.0
12	69.319	0.014	0.085	0.57	4.06e-03	0.51	3.60e-03	1.30e-03	9.17e-06	0.0	0.0
Risulta				1.400e+04		1.392e+04		22.95			
In percentuale				99.03		98.50		0.16			

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) = 0.110 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.115 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	-0.04	0.0	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
1.72	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	-0.04	0.0	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	-0.04	0.0	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.603	0.116	0.099	1.185e+04	83.9	14.33	0.1	1.00	7.10e-03	0.0	0.0
2	8.665	0.115	0.099	14.56	0.1	1.200e+04	84.9	9.66e-04	6.83e-06	0.0	0.0
3	13.411	0.075	0.093	0.54	3.82e-03	69.84	0.5	3.16e-04	2.24e-06	0.0	0.0
4	25.366	0.039	0.088	1512.86	10.7	0.04	2.96e-04	9.26	6.55e-02	0.0	0.0
5	25.906	0.039	0.088	0.06	4.12e-04	1295.93	9.2	1.84e-05	0.0	0.0	0.0
6	39.822	0.025	0.086	0.53	3.75e-03	11.59	8.20e-02	0.01	1.00e-04	0.0	0.0
7	42.858	0.023	0.086	385.84	2.7	0.18	1.30e-03	2.37	1.67e-02	0.0	0.0
8	43.537	0.023	0.086	0.11	7.79e-04	373.48	2.6	9.53e-04	6.74e-06	0.0	0.0
9	57.157	0.017	0.085	152.02	1.1	4.45e-04	3.15e-06	6.44	4.56e-02	0.0	0.0
10	59.931	0.017	0.085	3.90e-04	2.76e-06	162.09	1.1	6.86e-04	4.85e-06	0.0	0.0
11	68.417	0.015	0.085	68.51	0.5	9.17e-03	6.49e-05	3.71	2.62e-02	0.0	0.0
12	68.703	0.015	0.085	6.77	4.79e-02	0.13	9.39e-04	0.23	1.63e-03	0.0	0.0
Risulta				1.400e+04		1.392e+04		23.02			
In percentuale				99.04		98.51		0.16			

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) = 0.098 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.118 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	0.0	-0.12	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	0.0	-0.12	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	0.0	-0.12	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	0.0	-0.12	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	0.0	-0.12	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	0.0	-0.12	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	0.0	-0.12	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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

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	8.510	0.118	0.092	9386.44	66.4	2315.90	16.4	0.75	5.33e-03	0.0	0.0
2	8.662	0.115	0.091	2379.01	16.8	9626.88	68.1	0.21	1.48e-03	0.0	0.0
3	13.719	0.073	0.072	103.49	0.7	134.43	1.0	0.08	5.43e-04	0.0	0.0
4	25.139	0.040	0.057	1392.52	9.9	91.85	0.6	8.13	5.75e-02	0.0	0.0
5	25.856	0.039	0.056	110.19	0.8	1200.09	8.5	0.73	5.15e-03	0.0	0.0
6	40.685	0.025	0.050	6.14	4.35e-02	27.71	0.2	0.99	7.01e-03	0.0	0.0
7	42.542	0.024	0.050	368.12	2.6	18.39	0.1	2.08	1.47e-02	0.0	0.0
8	43.507	0.023	0.049	21.63	0.2	344.03	2.4	0.04	2.89e-04	0.0	0.0
9	56.820	0.018	0.047	149.83	1.1	0.70	4.92e-03	6.10	4.32e-02	0.0	0.0
10	59.830	0.017	0.047	0.54	3.84e-03	162.06	1.1	0.04	3.05e-04	0.0	0.0
11	68.090	0.015	0.046	76.06	0.5	0.09	6.70e-04	3.81	2.70e-02	0.0	0.0
12	69.980	0.014	0.046	1.52	1.08e-02	6.20e-03	4.39e-05	0.41	2.90e-03	0.0	0.0
Risulta				1.400e+04		1.392e+04		23.37			
In percentuale				99.03		98.51		0.17			

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) = 0.098 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.118 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	0.0	0.12	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	0.0	0.12	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	0.0	0.12	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	0.0	0.12	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	0.0	0.12	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	0.0	0.12	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	0.0	0.12	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.497	0.118	0.092	9425.70	66.7	2245.68	15.9	0.77	5.43e-03	0.0	0.0
2	8.665	0.115	0.091	2313.29	16.4	9699.52	68.6	0.20	1.40e-03	0.0	0.0
3	13.765	0.073	0.072	131.73	0.9	132.03	0.9	0.06	4.04e-04	0.0	0.0
4	25.109	0.040	0.057	1386.76	9.8	91.57	0.6	8.22	5.82e-02	0.0	0.0
5	25.860	0.039	0.056	110.72	0.8	1200.50	8.5	0.68	4.85e-03	0.0	0.0
6	40.801	0.025	0.050	21.65	0.2	29.98	0.2	0.47	3.35e-03	0.0	0.0
7	42.521	0.024	0.050	360.69	2.6	9.71	6.87e-02	2.40	1.70e-02	0.0	0.0
8	43.497	0.023	0.049	15.84	0.1	350.29	2.5	0.02	1.72e-04	0.0	0.0
9	56.797	0.018	0.047	151.38	1.1	0.65	4.58e-03	6.22	4.40e-02	0.0	0.0
10	59.828	0.017	0.047	0.48	3.43e-03	162.11	1.1	0.02	1.63e-04	0.0	0.0
11	68.076	0.015	0.046	73.75	0.5	0.06	4.54e-04	3.74	2.65e-02	0.0	0.0
12	70.114	0.014	0.046	3.72	2.63e-02	9.55e-03	6.76e-05	0.25	1.74e-03	0.0	0.0
Risulta				1.400e+04		1.392e+04		23.06			
In percentuale				99.03		98.51		0.16			

CDC	Tipo	Sigla Id	Note
8	Edk	CDC=Ed (dinamico SLD) alfa=90.00 (ecc. +)	

CDC	Tipo	Sigla Id	Note
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.098 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.117 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	0.04	0.0	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.11	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	0.04	0.0	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	0.04	0.0	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	0.04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.581	0.117	0.091	365.61	2.6	1.146e+04	81.1	0.03	2.32e-04	0.0	0.0
2	8.604	0.116	0.091	1.150e+04	81.4	368.02	2.6	0.97	6.88e-03	0.0	0.0
3	13.585	0.074	0.072	0.51	3.60e-03	244.57	1.7	3.18e-04	2.25e-06	0.0	0.0
4	25.366	0.039	0.057	1511.88	10.7	0.76	5.40e-03	9.25	6.55e-02	0.0	0.0
5	25.653	0.039	0.057	0.99	7.02e-03	1283.03	9.1	3.55e-03	2.51e-05	0.0	0.0
6	40.332	0.025	0.050	0.72	5.10e-03	42.46	0.3	0.02	1.19e-04	0.0	0.0
7	42.855	0.023	0.050	385.36	2.7	0.58	4.08e-03	2.36	1.67e-02	0.0	0.0
8	43.293	0.023	0.049	0.30	2.09e-03	355.28	2.5	2.33e-03	1.65e-05	0.0	0.0
9	57.141	0.018	0.047	151.89	1.1	2.34e-06	0.0	6.42	4.54e-02	0.0	0.0
10	59.596	0.017	0.047	4.05e-04	2.86e-06	163.22	1.2	1.14e-03	8.04e-06	0.0	0.0
11	68.395	0.015	0.046	74.53	0.5	8.14e-03	5.76e-05	3.88	2.75e-02	0.0	0.0
12	69.319	0.014	0.046	0.57	4.06e-03	0.51	3.60e-03	1.30e-03	9.17e-06	0.0	0.0
Risulta				1.400e+04		1.392e+04		22.95			
In percentuale				99.03		98.50		0.16			

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) = 0.098 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.115 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.06	870.95	2.03	5.41	-0.04	0.0	1.65	5.37	0.259	2.007	0.050
2.88	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.69	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.68	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
2.49	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
2.31	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
2.29	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
2.11	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.93	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.91	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.72	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.54	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.52	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
1.34	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
1.16	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
1.14	393.03	1.98	5.37	-0.04	0.0	1.65	5.36	0.259	1.722	0.0
0.95	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.77	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.75	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.57	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.39	1125.23	2.14	5.37	-0.04	0.0	2.03	5.36	1.108	0.122	0.0
0.36	393.03	1.98	5.37	-0.04	0.0	1.65	5.37	0.259	1.722	0.0
0.18	236.36	1.90	5.37	-0.04	0.0	1.65	5.37	0.259	1.313	0.0
0.0	743.03	2.19	5.37	-0.04	0.0	2.03	5.36	1.108	0.185	0.0
-0.02	0.15	2.04	5.37	-0.04	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.413e+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	8.603	0.116	0.091	1.185e+04	83.9	14.33	0.1	1.00	7.10e-03	0.0	0.0
2	8.665	0.115	0.091	14.56	0.1	1.200e+04	84.9	9.66e-04	6.83e-06	0.0	0.0
3	13.411	0.075	0.072	0.54	3.82e-03	69.84	0.5	3.16e-04	2.24e-06	0.0	0.0
4	25.366	0.039	0.057	1512.86	10.7	0.04	2.96e-04	9.26	6.55e-02	0.0	0.0
5	25.906	0.039	0.056	0.06	4.12e-04	1295.93	9.2	1.84e-05	0.0	0.0	0.0
6	39.822	0.025	0.050	0.53	3.75e-03	11.59	8.20e-02	0.01	1.00e-04	0.0	0.0
7	42.858	0.023	0.050	385.84	2.7	0.18	1.30e-03	2.37	1.67e-02	0.0	0.0
8	43.537	0.023	0.049	0.11	7.79e-04	373.48	2.6	9.53e-04	6.74e-06	0.0	0.0
9	57.157	0.017	0.047	152.02	1.1	4.45e-04	3.15e-06	6.44	4.56e-02	0.0	0.0
10	59.931	0.017	0.047	3.90e-04	2.76e-06	162.09	1.1	6.86e-04	4.85e-06	0.0	0.0
11	68.417	0.015	0.046	68.51	0.5	9.17e-03	6.49e-05	3.71	2.62e-02	0.0	0.0
12	68.703	0.015	0.046	6.77	4.79e-02	0.13	9.39e-04	0.23	1.63e-03	0.0	0.0
Risulta				1.400e+04		1.392e+04		23.02			
In percentuale				99.04		98.51		0.16			

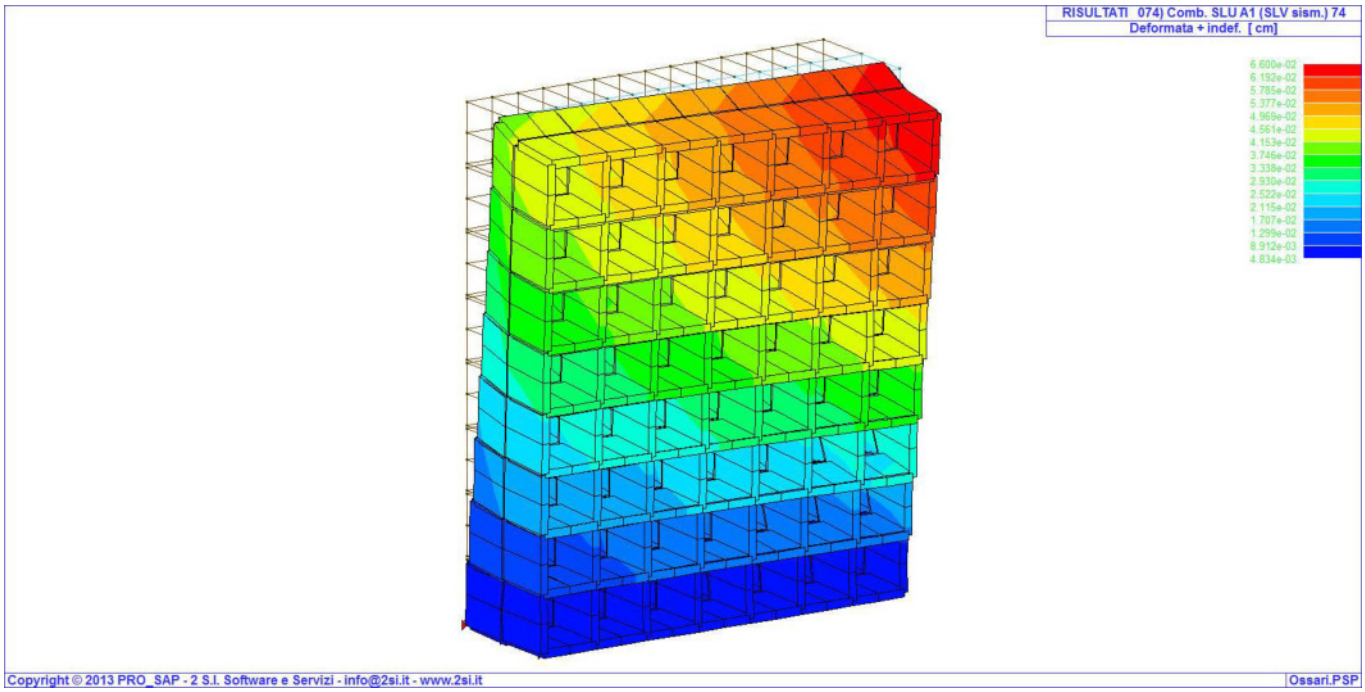
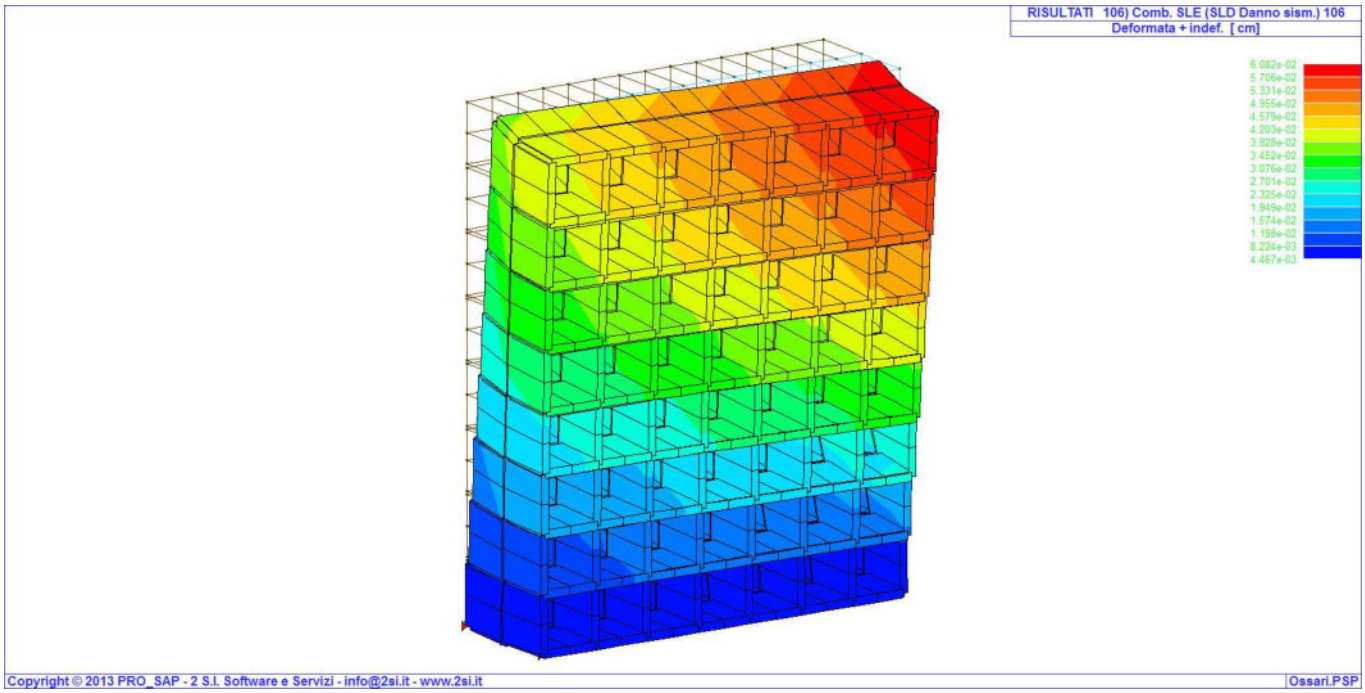


Fig. 4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Deformata + indef. [cm]
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5.331e-02
4.955e-02
4.579e-02
4.203e-02
3.828e-02
3.452e-02
3.076e-02
2.701e-02
2.325e-02
1.949e-02
1.574e-02
1.198e-02
8.224e-03
4.467e-03
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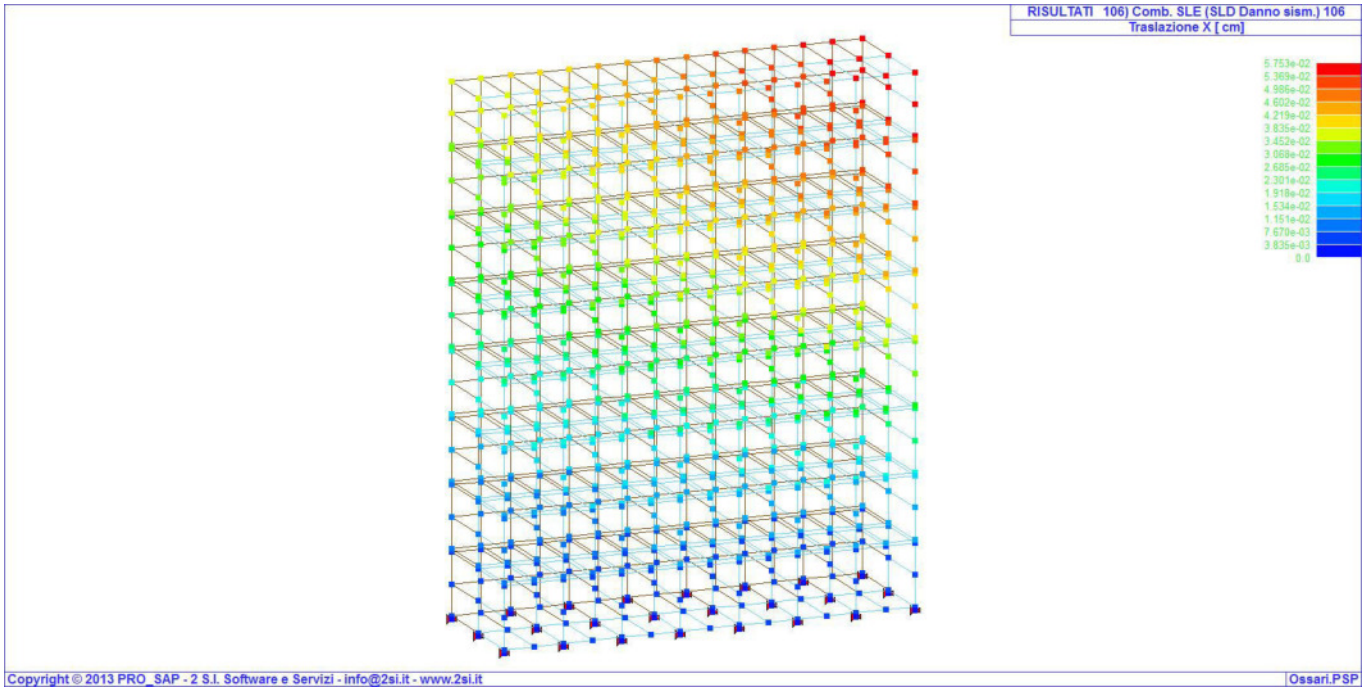
Fig. 5


RISULTATI 106) Comb. SLE (SLD Danno sism.) 106
Traslazione X [cm]
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3.452e-02
3.068e-02
2.685e-02
2.301e-02
1.918e-02
1.534e-02
1.151e-02
7.670e-03
3.835e-03
0.0
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Fig. 6

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	-2.05e-04	6.40e-04	-1.18e-03	-1.61e-06	1.64e-05	0.0
1	2	-1.71e-04	6.45e-04	-1.43e-03	-2.09e-06	1.94e-05	0.0
1	3	-2.03e-04	6.40e-04	-1.19e-03	-1.63e-06	1.66e-05	0.0
1	4	-1.69e-04	6.46e-04	-1.44e-03	-2.11e-06	1.95e-05	0.0
1	5	4.83e-04	-6.17e-04	-4.54e-04	-1.69e-06	1.64e-05	0.0
1	6	5.17e-04	-6.12e-04	-7.06e-04	-2.17e-06	1.94e-05	0.0
1	7	4.85e-04	-6.17e-04	-4.66e-04	-1.70e-06	1.66e-05	0.0
1	8	5.19e-04	-6.12e-04	-7.17e-04	-2.18e-06	1.95e-05	0.0
1	9	-2.00e-04	6.41e-04	-1.21e-03	-1.65e-06	1.69e-05	0.0
1	10	-1.66e-04	6.46e-04	-1.46e-03	-2.13e-06	1.98e-05	0.0
1	11	-1.99e-04	6.41e-04	-1.22e-03	-1.67e-06	1.70e-05	0.0
1	12	-1.65e-04	6.46e-04	-1.47e-03	-2.15e-06	2.00e-05	0.0
1	13	4.87e-04	-6.17e-04	-4.82e-04	-1.72e-06	1.69e-05	0.0
1	14	5.21e-04	-6.11e-04	-7.34e-04	-2.20e-06	1.98e-05	0.0
1	15	4.89e-04	-6.16e-04	-4.94e-04	-1.74e-06	1.70e-05	0.0
1	16	5.23e-04	-6.11e-04	-7.45e-04	-2.22e-06	2.00e-05	0.0
1	17	-2.37e-04	6.37e-04	-9.93e-04	-1.23e-06	1.26e-05	0.0
1	18	-2.03e-04	6.43e-04	-1.24e-03	-1.71e-06	1.56e-05	0.0
1	19	-2.35e-04	6.38e-04	-1.00e-03	-1.25e-06	1.28e-05	0.0
1	20	-2.01e-04	6.43e-04	-1.26e-03	-1.73e-06	1.57e-05	0.0
1	21	4.51e-04	-6.20e-04	-2.66e-04	-1.30e-06	1.27e-05	0.0
1	22	4.85e-04	-6.15e-04	-5.17e-04	-1.78e-06	1.56e-05	0.0
1	23	4.53e-04	-6.20e-04	-2.77e-04	-1.32e-06	1.28e-05	0.0
1	24	4.87e-04	-6.14e-04	-5.28e-04	-1.80e-06	1.57e-05	0.0
1	25	-2.32e-04	6.38e-04	-1.02e-03	-1.27e-06	1.31e-05	0.0
1	26	-1.98e-04	6.43e-04	-1.27e-03	-1.75e-06	1.60e-05	0.0
1	27	-2.31e-04	6.38e-04	-1.03e-03	-1.29e-06	1.32e-05	0.0
1	28	-1.97e-04	6.44e-04	-1.28e-03	-1.77e-06	1.62e-05	0.0
1	29	4.55e-04	-6.19e-04	-2.94e-04	-1.34e-06	1.31e-05	0.0
1	30	4.89e-04	-6.14e-04	-5.45e-04	-1.82e-06	1.60e-05	0.0
1	31	4.57e-04	-6.19e-04	-3.05e-04	-1.36e-06	1.32e-05	0.0
1	32	4.91e-04	-6.14e-04	-5.56e-04	-1.84e-06	1.62e-05	0.0
1	33	-4.34e-04	1.06e-03	-1.42e-03	-1.59e-06	1.64e-05	0.0
1	34	-4.00e-04	1.06e-03	-1.68e-03	-2.07e-06	1.94e-05	0.0
1	35	-4.32e-04	1.06e-03	-1.44e-03	-1.61e-06	1.66e-05	0.0
1	36	-3.98e-04	1.06e-03	-1.69e-03	-2.09e-06	1.95e-05	0.0
1	37	7.12e-04	-1.04e-03	-2.12e-04	-1.71e-06	1.64e-05	0.0
1	38	7.46e-04	-1.03e-03	-4.63e-04	-2.19e-06	1.94e-05	0.0
1	39	7.14e-04	-1.04e-03	-2.23e-04	-1.72e-06	1.66e-05	0.0
1	40	7.48e-04	-1.03e-03	-4.74e-04	-2.20e-06	1.95e-05	0.0
1	41	-4.30e-04	1.06e-03	-1.45e-03	-1.63e-06	1.69e-05	0.0
1	42	-3.96e-04	1.07e-03	-1.70e-03	-2.11e-06	1.98e-05	0.0
1	43	-4.28e-04	1.06e-03	-1.46e-03	-1.64e-06	1.70e-05	0.0
1	44	-3.94e-04	1.07e-03	-1.72e-03	-2.12e-06	2.00e-05	0.0
1	45	7.17e-04	-1.04e-03	-2.40e-04	-1.75e-06	1.69e-05	0.0
1	46	7.51e-04	-1.03e-03	-4.91e-04	-2.23e-06	1.98e-05	0.0
1	47	7.19e-04	-1.04e-03	-2.51e-04	-1.76e-06	1.70e-05	0.0
1	48	7.52e-04	-1.03e-03	-5.02e-04	-2.24e-06	2.00e-05	0.0
...							
992	203	1.21e-04	0.0	-3.93e-04	0.0	5.08e-06	0.0
Nodo		**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
		-0.05	-0.05	-9.34e-03	-6.66e-05	-2.62e-05	-1.16e-04
		0.06	0.05	4.18e-03	6.66e-05	8.83e-05	1.14e-04

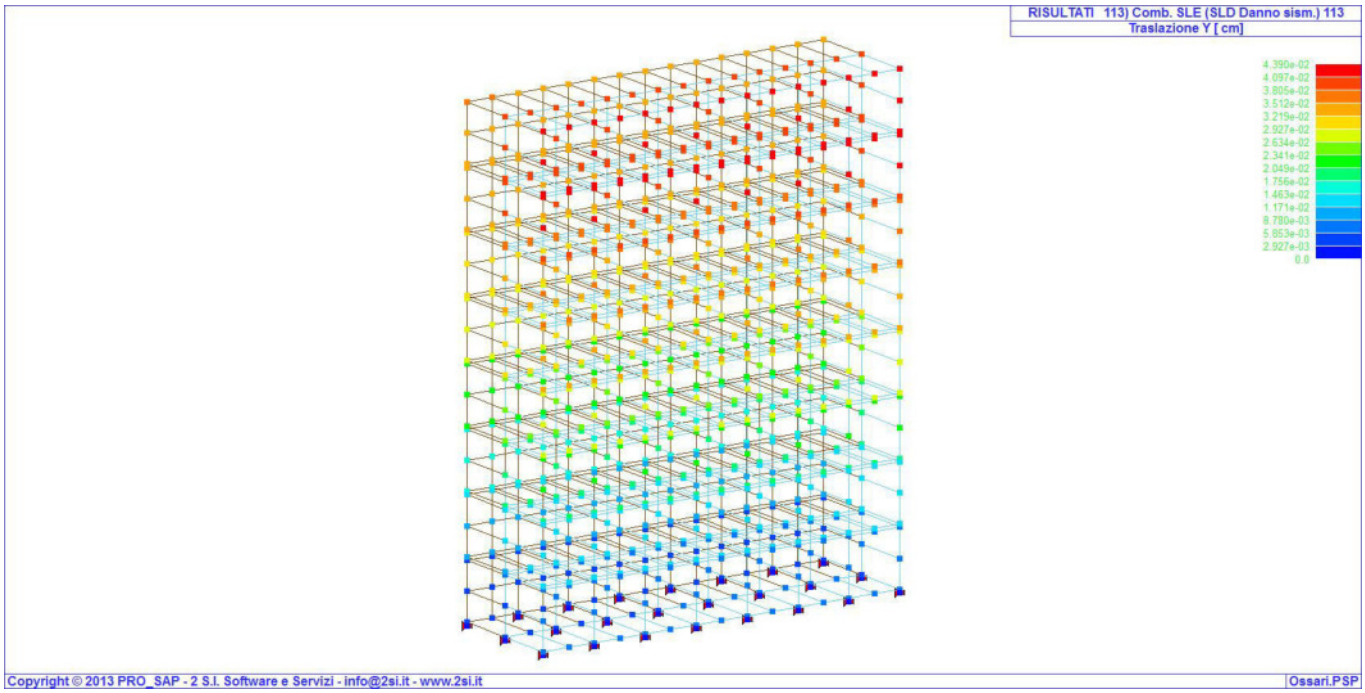


Fig. 7

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
723	1	-9.72e-06	-100.38	-178.37	100.23	0.13	0.02
723	2	-9.72e-06	-100.51	-235.19	100.25	0.16	6.69e-03
723	3	-9.72e-06	-100.38	-181.11	100.23	0.13	0.02
723	4	-9.72e-06	-100.51	-237.93	100.25	0.16	6.30e-03
723	5	-9.72e-06	99.71	-180.04	-100.28	0.12	-0.05
723	6	-9.72e-06	99.58	-236.86	-100.26	0.15	-0.06
723	7	-9.72e-06	99.70	-182.78	-100.28	0.12	-0.05
723	8	-9.72e-06	99.57	-239.59	-100.26	0.16	-0.06
723	9	-9.72e-06	-100.39	-185.22	100.23	0.13	0.02
723	10	-9.72e-06	-100.52	-242.03	100.25	0.17	5.71e-03
723	11	-9.72e-06	-100.39	-187.96	100.23	0.13	0.01
723	12	-9.72e-06	-100.52	-244.77	100.25	0.17	5.31e-03
723	13	-9.72e-06	99.70	-186.88	-100.28	0.12	-0.05
723	14	-9.72e-06	99.57	-243.70	-100.26	0.16	-0.06
723	15	-9.72e-06	99.69	-189.62	-100.28	0.13	-0.05
723	16	-9.72e-06	99.56	-246.44	-100.26	0.16	-0.06
723	17	-7.48e-06	-100.30	-137.02	100.23	0.10	0.02
723	18	-7.48e-06	-100.43	-193.83	100.25	0.13	0.01
723	19	-7.48e-06	-100.31	-139.76	100.23	0.10	0.02
723	20	-7.48e-06	-100.43	-196.57	100.25	0.14	9.87e-03
723	21	-7.48e-06	99.79	-138.69	-100.27	0.09	-0.04
723	22	-7.48e-06	99.66	-195.50	-100.25	0.13	-0.05
723	23	-7.48e-06	99.78	-141.42	-100.27	0.09	-0.04
723	24	-7.48e-06	99.65	-198.24	-100.25	0.13	-0.05
723	25	-7.48e-06	-100.31	-143.86	100.23	0.10	0.02
723	26	-7.48e-06	-100.44	-200.68	100.25	0.14	9.27e-03
723	27	-7.48e-06	-100.32	-146.60	100.23	0.10	0.02
723	28	-7.48e-06	-100.45	-203.41	100.25	0.14	8.88e-03
723	29	-7.48e-06	99.77	-145.53	-100.27	0.10	-0.04
723	30	-7.48e-06	99.64	-202.34	-100.25	0.13	-0.05
723	31	-7.48e-06	99.77	-148.27	-100.27	0.10	-0.04
723	32	-7.48e-06	99.64	-205.08	-100.25	0.13	-0.05
723	33	-9.72e-06	-167.07	-177.82	167.06	0.13	0.04
723	34	-9.72e-06	-167.20	-234.63	167.08	0.16	0.03
723	35	-9.72e-06	-167.08	-180.56	167.06	0.13	0.04
723	36	-9.72e-06	-167.21	-237.37	167.08	0.17	0.03
723	37	-9.72e-06	166.40	-180.60	-167.11	0.12	-0.07
723	38	-9.72e-06	166.27	-237.41	-167.09	0.15	-0.08
723	39	-9.72e-06	166.40	-183.33	-167.11	0.12	-0.07
723	40	-9.72e-06	166.27	-240.15	-167.09	0.15	-0.08
723	41	-9.72e-06	-167.08	-184.66	167.06	0.13	0.04
723	42	-9.72e-06	-167.21	-241.48	167.08	0.17	0.03
723	43	-9.72e-06	-167.09	-187.40	167.06	0.14	0.04
723	44	-9.72e-06	-167.22	-244.21	167.08	0.17	0.03
723	45	-9.72e-06	166.39	-187.44	-167.11	0.12	-0.07
723	46	-9.72e-06	166.26	-244.25	-167.09	0.16	-0.08
723	47	-9.72e-06	166.39	-190.18	-167.11	0.12	-0.07
723	48	-9.72e-06	166.26	-246.99	-167.09	0.16	-0.08
...							
892	203	0.0	0.0	-620.24	0.0	0.0	0.0
Nodo		**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		-706.96	-619.00	-1439.19	-620.56	-707.61	-0.54
		706.96	618.52	95.98	621.06	708.13	0.56

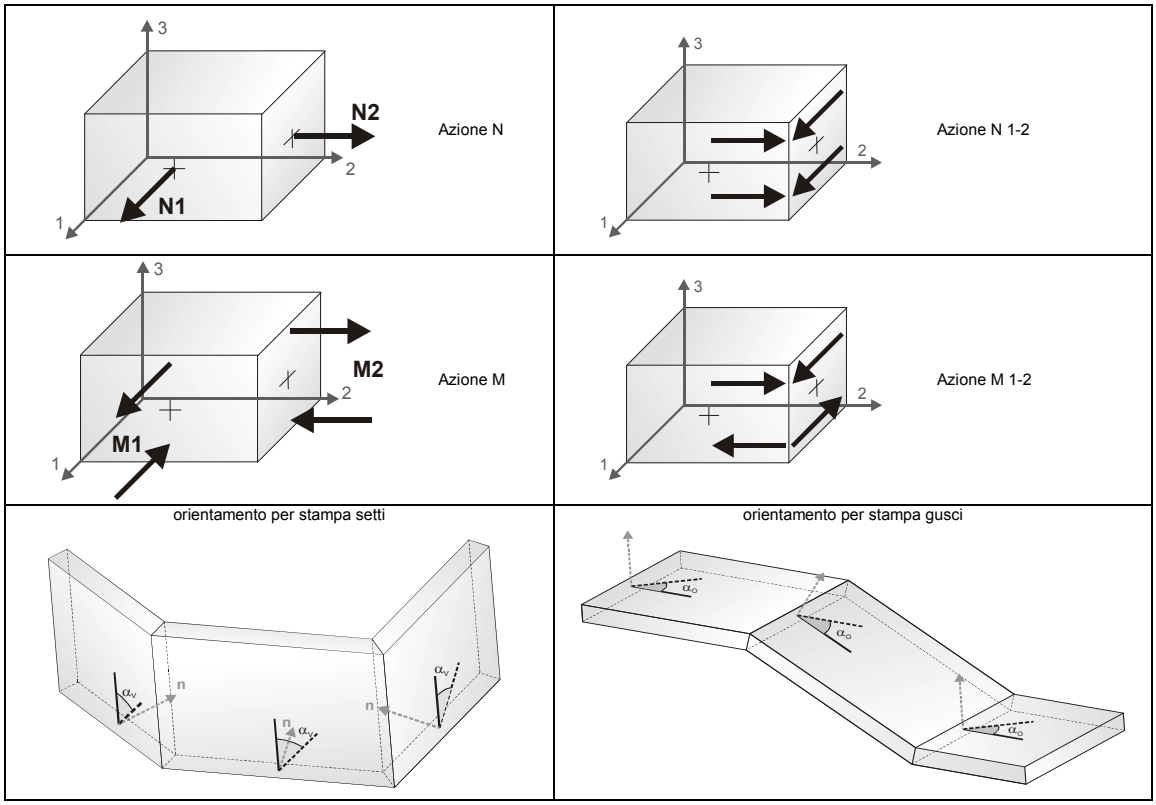
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
723	77	688.71	244.41	-314.22	-245.43	689.22	-0.26
	86	297.97	-563.41	94.52	565.01	298.96	0.10
	93	237.11	618.52	-275.79	-620.56	237.41	-0.19
	96	-237.11	-612.89	-16.97	614.32	-237.03	0.16
	75	-706.96	111.83	92.17	-112.37	-707.61	0.09
	74	706.96	-108.20	-18.83	108.55	708.13	-0.19
724	65	0.0	0.0	-1425.38	0.0	0.0	0.0
	80	0.0	0.0	-6.32e-03	0.0	0.0	0.0
	1	0.0	0.0	-599.70	0.0	0.0	0.0
	1	0.0	0.0	-599.70	0.0	0.0	0.0
	1	0.0	0.0	-599.70	0.0	0.0	0.0
	1	0.0	0.0	-599.70	0.0	0.0	0.0
729	84	0.0	0.0	-1299.16	0.0	0.0	0.0
	123	0.0	0.0	-0.01	0.0	0.0	0.0
	1	0.0	0.0	-316.15	0.0	0.0	0.0
	1	0.0	0.0	-316.15	0.0	0.0	0.0
	1	0.0	0.0	-316.15	0.0	0.0	0.0
	1	0.0	0.0	-316.15	0.0	0.0	0.0
732	74	0.0	0.0	-1439.19	0.0	0.0	0.0
	71	0.0	0.0	-6.91e-03	0.0	0.0	0.0
	1	0.0	0.0	-608.58	0.0	0.0	0.0
	1	0.0	0.0	-608.58	0.0	0.0	0.0
	1	0.0	0.0	-608.58	0.0	0.0	0.0
	1	0.0	0.0	-608.58	0.0	0.0	0.0
733	87	0.0	0.0	-1301.14	0.0	0.0	0.0
	128	0.0	0.0	-0.01	0.0	0.0	0.0
	1	0.0	0.0	-315.89	0.0	0.0	0.0
	1	0.0	0.0	-315.89	0.0	0.0	0.0
	1	0.0	0.0	-315.89	0.0	0.0	0.0
	1	0.0	0.0	-315.89	0.0	0.0	0.0
853	68	0.0	0.0	-992.16	0.0	0.0	0.0
	97	0.0	0.0	-3.14e-03	0.0	0.0	0.0
	1	0.0	0.0	-480.59	0.0	0.0	0.0
	1	0.0	0.0	-480.59	0.0	0.0	0.0
	1	0.0	0.0	-480.59	0.0	0.0	0.0
	1	0.0	0.0	-480.59	0.0	0.0	0.0
854	48	0.0	0.0	-1238.34	0.0	0.0	0.0
	49	0.0	0.0	-671.08	0.0	0.0	0.0
	1	0.0	0.0	-873.17	0.0	0.0	0.0
	1	0.0	0.0	-873.17	0.0	0.0	0.0
	1	0.0	0.0	-873.17	0.0	0.0	0.0
	1	0.0	0.0	-873.17	0.0	0.0	0.0
855	65	0.0	0.0	-897.29	0.0	0.0	0.0
	68	0.0	0.0	-396.93	0.0	0.0	0.0
	1	0.0	0.0	-646.46	0.0	0.0	0.0
	1	0.0	0.0	-646.46	0.0	0.0	0.0
	1	0.0	0.0	-646.46	0.0	0.0	0.0
	1	0.0	0.0	-646.46	0.0	0.0	0.0
859	68	0.0	0.0	-866.84	0.0	0.0	0.0
	97	0.0	0.0	-3.03e-03	0.0	0.0	0.0
	1	0.0	0.0	-479.75	0.0	0.0	0.0
	1	0.0	0.0	-479.75	0.0	0.0	0.0
	1	0.0	0.0	-479.75	0.0	0.0	0.0
	1	0.0	0.0	-479.75	0.0	0.0	0.0
860	48	0.0	0.0	-1249.73	0.0	0.0	0.0
	49	0.0	0.0	-677.58	0.0	0.0	0.0
	1	0.0	0.0	-881.12	0.0	0.0	0.0
	1	0.0	0.0	-881.12	0.0	0.0	0.0
	1	0.0	0.0	-881.12	0.0	0.0	0.0
	1	0.0	0.0	-881.12	0.0	0.0	0.0
861	48	0.0	0.0	-882.58	0.0	0.0	0.0
	68	0.0	0.0	-484.21	0.0	0.0	0.0
	1	0.0	0.0	-652.31	0.0	0.0	0.0
	1	0.0	0.0	-652.31	0.0	0.0	0.0
	1	0.0	0.0	-652.31	0.0	0.0	0.0
	1	0.0	0.0	-652.31	0.0	0.0	0.0
865	75	0.0	0.0	-868.40	0.0	0.0	0.0
	110	0.0	0.0	-2.95e-03	0.0	0.0	0.0
	1	0.0	0.0	-481.12	0.0	0.0	0.0
	1	0.0	0.0	-481.12	0.0	0.0	0.0
	1	0.0	0.0	-481.12	0.0	0.0	0.0
	1	0.0	0.0	-481.12	0.0	0.0	0.0
866	48	0.0	0.0	-1253.42	0.0	0.0	0.0
	49	0.0	0.0	-680.42	0.0	0.0	0.0
	1	0.0	0.0	-884.82	0.0	0.0	0.0
	1	0.0	0.0	-884.82	0.0	0.0	0.0
	1	0.0	0.0	-884.82	0.0	0.0	0.0
	1	0.0	0.0	-884.82	0.0	0.0	0.0
867	48	0.0	0.0	-885.20	0.0	0.0	0.0
	75	0.0	0.0	-485.90	0.0	0.0	0.0
	1	0.0	0.0	-654.93	0.0	0.0	0.0
	1	0.0	0.0	-654.93	0.0	0.0	0.0
	1	0.0	0.0	-654.93	0.0	0.0	0.0
	1	0.0	0.0	-654.93	0.0	0.0	0.0
871	75	0.0	0.0	-997.60	0.0	0.0	0.0
	66	0.0	0.0	-3.05e-03	0.0	0.0	0.0
	1	0.0	0.0	-483.80	0.0	0.0	0.0
	1	0.0	0.0	-483.80	0.0	0.0	0.0
	1	0.0	0.0	-483.80	0.0	0.0	0.0
	1	0.0	0.0	-483.80	0.0	0.0	0.0
872	48	0.0	0.0	-1248.29	0.0	0.0	0.0
	49	0.0	0.0	-678.74	0.0	0.0	0.0
	1	0.0	0.0	-883.13	0.0	0.0	0.0
	1	0.0	0.0	-883.13	0.0	0.0	0.0
	1	0.0	0.0	-883.13	0.0	0.0	0.0
	1	0.0	0.0	-883.13	0.0	0.0	0.0
873	74	0.0	0.0	-905.98	0.0	0.0	0.0
	75	0.0	0.0	-400.98	0.0	0.0	0.0
	1	0.0	0.0	-653.68	0.0	0.0	0.0

	1	0.0	0.0	-653.68	0.0	0.0	0.0
	1	0.0	0.0	-653.68	0.0	0.0	0.0
	1	0.0	0.0	-653.68	0.0	0.0	0.0
877	75	0.0	0.0	-1209.56	0.0	0.0	0.0
	74	0.0	0.0	3.59e-03	0.0	0.0	0.0
	1	0.0	0.0	-489.62	0.0	0.0	0.0
	1	0.0	0.0	-489.62	0.0	0.0	0.0
	1	0.0	0.0	-489.62	0.0	0.0	0.0
	1	0.0	0.0	-489.62	0.0	0.0	0.0
878	44	0.0	0.0	-1264.11	0.0	0.0	0.0
	75	0.0	0.0	-601.26	0.0	0.0	0.0
	1	0.0	0.0	-902.95	0.0	0.0	0.0
	1	0.0	0.0	-902.95	0.0	0.0	0.0
	1	0.0	0.0	-902.95	0.0	0.0	0.0
	1	0.0	0.0	-902.95	0.0	0.0	0.0
879	74	0.0	0.0	-1081.05	0.0	0.0	0.0
	75	0.0	0.0	-161.52	0.0	0.0	0.0
	1	0.0	0.0	-663.25	0.0	0.0	0.0
	1	0.0	0.0	-663.25	0.0	0.0	0.0
	1	0.0	0.0	-663.25	0.0	0.0	0.0
	1	0.0	0.0	-663.25	0.0	0.0	0.0
889	70	684.54	-239.43	-312.21	240.44	685.04	0.23
	81	297.80	564.93	95.98	-566.53	298.79	-0.11
	95	-180.26	612.58	-12.15	-614.04	-180.12	0.05
	94	180.26	-619.00	-267.98	621.06	180.52	-0.02
	68	-702.89	-116.88	93.44	117.43	-703.54	-0.07
	65	702.89	113.31	-20.88	-113.66	704.04	0.16
890	68	0.0	0.0	-1201.73	0.0	0.0	0.0
	65	0.0	0.0	3.13e-03	0.0	0.0	0.0
	1	0.0	0.0	-487.23	0.0	0.0	0.0
	1	0.0	0.0	-487.23	0.0	0.0	0.0
	1	0.0	0.0	-487.23	0.0	0.0	0.0
	1	0.0	0.0	-487.23	0.0	0.0	0.0
891	44	0.0	0.0	-1252.25	0.0	0.0	0.0
	68	0.0	0.0	-593.58	0.0	0.0	0.0
	1	0.0	0.0	-891.10	0.0	0.0	0.0
	1	0.0	0.0	-891.10	0.0	0.0	0.0
	1	0.0	0.0	-891.10	0.0	0.0	0.0
	1	0.0	0.0	-891.10	0.0	0.0	0.0
892	65	0.0	0.0	-1069.67	0.0	0.0	0.0
	68	0.0	0.0	-157.58	0.0	0.0	0.0
	1	0.0	0.0	-654.23	0.0	0.0	0.0
	1	0.0	0.0	-654.23	0.0	0.0	0.0
	1	0.0	0.0	-654.23	0.0	0.0	0.0
	1	0.0	0.0	-654.23	0.0	0.0	0.0

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

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



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

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

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

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

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

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

Macro	Tipo	Angolo 1-Z (gradi)
1	**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
1	1	77.00	-495.61	1.96	0.49	-1682.30	13.98	-17.37
1	1	95.25	-493.85	1.96	0.49	-1682.30	13.57	-4.73

1	1	113.50	-458.52	18.93	-0.82	-1570.40	11.52	15.22
1	2	77.00	-679.95	-5.77	0.97	-2103.67	18.74	-26.96
1	2	95.25	-678.00	-5.77	0.97	-2103.67	18.11	-9.76
1	2	113.50	-642.85	16.62	-0.87	-2049.84	21.47	23.05
1	3	77.00	-507.19	1.78	0.53	-1711.19	14.05	-17.74
1	3	95.25	-505.40	1.78	0.53	-1711.19	13.63	-4.95
1	3	113.50	-470.09	19.11	-0.83	-1599.31	11.98	15.56
1	4	77.00	-691.52	-5.96	1.01	-2132.56	18.81	-27.33
1	4	95.25	-689.55	-5.96	1.01	-2132.56	18.17	-9.98
1	4	113.50	-654.42	16.80	-0.87	-2078.76	21.93	23.39
1	5	77.00	-495.82	1.90	0.53	-1681.93	14.08	-17.27
1	5	95.25	-494.06	1.90	0.53	-1681.93	13.69	-4.77
1	5	113.50	-458.58	18.87	-0.90	-1571.24	11.35	15.45
1	6	77.00	-680.16	-5.83	1.02	-2103.30	18.84	-26.86
1	6	95.25	-678.21	-5.83	1.02	-2103.30	18.22	-9.79
1	6	113.50	-642.91	16.56	-0.95	-2050.69	21.30	23.28
1	7	77.00	-507.40	1.71	0.57	-1710.82	14.15	-17.64
1	7	95.25	-505.61	1.71	0.57	-1710.82	13.75	-4.99
1	7	113.50	-470.16	19.05	-0.91	-1600.16	11.81	15.79
1	8	77.00	-691.73	-6.02	1.06	-2132.19	18.91	-27.23
1	8	95.25	-689.76	-6.02	1.06	-2132.19	18.29	-10.01
1	8	113.50	-654.49	16.73	-0.95	-2079.60	21.76	23.62
1	9	77.00	-524.55	1.50	0.59	-1754.52	14.15	-18.29
1	9	95.25	-522.72	1.50	0.59	-1754.52	13.72	-5.28
1	9	113.50	-487.45	19.38	-0.83	-1642.69	12.67	16.06
1	10	77.00	-708.88	-6.23	1.07	-2175.89	18.92	-27.88
1	10	95.25	-706.87	-6.23	1.07	-2175.89	18.26	-10.30
1	10	113.50	-671.78	17.06	-0.88	-2122.13	22.62	23.89
1	11	77.00	-536.12	1.31	0.63	-1783.41	14.23	-18.66
1	11	95.25	-534.27	1.31	0.63	-1783.41	13.79	-5.50
1	11	113.50	-499.03	19.55	-0.84	-1671.60	13.13	16.40
1	12	77.00	-720.46	-6.42	1.11	-2204.78	18.99	-28.24
1	12	95.25	-718.42	-6.42	1.11	-2204.78	18.32	-10.52
1	12	113.50	-683.35	17.24	-0.88	-2151.05	23.08	24.23
1	13	77.00	-524.76	1.43	0.64	-1754.15	14.25	-18.19
1	13	95.25	-522.94	1.43	0.64	-1754.15	13.84	-5.32
1	13	113.50	-487.52	19.31	-0.91	-1643.53	12.50	16.29
1	14	77.00	-709.10	-6.30	1.12	-2175.52	19.02	-27.78
1	14	95.25	-707.09	-6.30	1.12	-2175.52	18.38	-10.34
1	14	113.50	-671.84	17.00	-0.96	-2122.98	22.45	24.13
1	15	77.00	-536.34	1.25	0.68	-1783.04	14.33	-18.56
1	15	95.25	-534.49	1.25	0.68	-1783.04	13.90	-5.54
1	15	113.50	-499.09	19.49	-0.92	-1672.45	12.96	16.63
1	16	77.00	-720.67	-6.49	1.16	-2204.41	19.09	-28.14
1	16	95.25	-718.64	-6.49	1.16	-2204.41	18.44	-10.56
1	16	113.50	-683.42	17.18	-0.96	-2151.89	22.91	24.46
...								
1	203	113.50	-472.64	13.64	-0.70	-1518.00	14.96	16.60
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-720.74	-86.40	-28.12	-3192.25	-266.88	-240.02
			-303.81	86.02	27.69	531.63	295.46	226.61

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	77.00	-195.00	-22.79	4.67	206.90	8.59	-66.88
2	1	95.25	-201.67	-22.79	4.67	206.90	8.09	-9.14
2	1	113.50	-181.86	28.93	-4.07	137.89	15.88	51.30
2	2	77.00	-270.43	-30.81	10.07	431.98	-27.87	-72.82
2	2	95.25	-279.64	-30.81	10.07	431.98	-28.41	-18.25
2	2	113.50	-257.64	37.38	-5.39	309.20	20.94	65.12
2	3	77.00	-199.97	-23.29	4.87	217.06	8.37	-68.34
2	3	95.25	-206.78	-23.29	4.87	217.06	7.84	-9.52
2	3	113.50	-186.84	29.47	-4.24	147.94	15.92	52.65
2	4	77.00	-275.41	-31.32	10.27	442.15	-28.09	-74.28
2	4	95.25	-284.76	-31.32	10.27	442.15	-28.65	-18.63
2	4	113.50	-262.62	37.92	-5.57	319.25	20.99	66.47
2	5	77.00	-192.64	-22.49	4.61	191.44	9.23	-66.28
2	5	95.25	-199.33	-22.49	4.61	191.44	8.73	-9.15
2	5	113.50	-180.11	29.27	-4.06	127.90	16.00	51.11
2	6	77.00	-268.07	-30.51	10.01	416.52	-27.23	-72.21
2	6	95.25	-277.30	-30.51	10.01	416.52	-27.76	-18.27
2	6	113.50	-255.88	37.72	-5.39	299.22	21.07	64.93
2	7	77.00	-197.62	-22.99	4.80	201.60	9.00	-67.74
2	7	95.25	-204.44	-22.99	4.80	201.60	8.49	-9.53
2	7	113.50	-185.09	29.81	-4.23	137.95	16.05	52.46
2	8	77.00	-273.05	-31.01	10.20	426.68	-27.46	-73.67
2	8	95.25	-282.42	-31.01	10.20	426.68	-28.01	-18.65
2	8	113.50	-260.86	38.26	-5.56	309.27	21.11	66.28
2	9	77.00	-207.44	-24.05	5.16	232.30	8.03	-70.52
2	9	95.25	-214.46	-24.05	5.16	232.30	7.48	-10.09
2	9	113.50	-194.32	30.28	-4.50	163.01	15.99	54.68
2	10	77.00	-282.87	-32.07	10.56	457.39	-28.43	-76.46
2	10	95.25	-292.43	-32.07	10.56	457.39	-29.02	-19.20
2	10	113.50	-270.09	38.73	-5.82	334.33	21.06	68.50
2	11	77.00	-212.42	-24.55	5.36	242.47	7.81	-71.98
2	11	95.25	-219.58	-24.55	5.36	242.47	7.23	-10.47
2	11	113.50	-199.30	30.82	-4.67	173.06	16.04	56.03
2	12	77.00	-287.85	-32.57	10.76	467.55	-28.65	-77.92
2	12	95.25	-297.55	-32.57	10.76	467.55	-29.27	-19.58
2	12	113.50	-275.07	39.27	-6.00	344.38	21.11	69.85

2	13	77.00	-205.08	-23.75	5.10	216.84	8.67	-69.92
2	13	95.25	-212.12	-23.75	5.10	216.84	8.12	-10.10
2	13	113.50	-192.56	30.62	-4.49	153.02	16.12	54.48
2	14	77.00	-280.52	-31.77	10.50	441.93	-27.79	-75.86
2	14	95.25	-290.09	-31.77	10.50	441.93	-28.38	-19.22
2	14	113.50	-268.34	39.07	-5.82	324.34	21.19	68.31
2	15	77.00	-210.06	-24.25	5.29	227.00	8.45	-71.38
2	15	95.25	-217.24	-24.25	5.29	227.00	7.88	-10.48
2	15	113.50	-197.54	31.16	-4.66	163.07	16.17	55.83
2	16	77.00	-285.49	-32.27	10.69	452.09	-28.01	-77.32
2	16	95.25	-295.21	-32.27	10.69	452.09	-28.62	-19.60
2	16	113.50	-273.32	39.61	-5.99	334.39	21.23	69.66
...								
2	203	113.50	-188.93	27.90	-4.15	212.35	15.05	49.28
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-478.71	-120.30	-10.60	-840.29	-189.45	-394.69
			-46.78	149.93	28.44	2235.25	109.23	260.34

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

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	1	77.00	-903.46	-1.95	-8.83	104.47	-376.44	4.96
3	1	95.25	-914.10	-1.95	-8.83	78.03	-375.49	5.25
3	1	113.50	-893.58	-1.96	27.58	83.61	-205.23	5.67
3	2	77.00	-1356.67	-1.95	-18.95	104.47	-441.37	4.96
3	2	95.25	-1375.20	-1.95	-18.95	78.03	-440.24	5.25
3	2	113.50	-1350.24	-1.96	33.67	83.61	-306.75	5.67
3	3	77.00	-932.99	-1.95	-9.27	104.47	-382.05	4.96
3	3	95.25	-943.99	-1.95	-9.27	78.03	-381.08	5.25
3	3	113.50	-923.23	-1.96	28.01	83.61	-210.85	5.67
3	4	77.00	-1386.20	-1.95	-19.39	104.47	-446.98	4.96
3	4	95.25	-1405.09	-1.95	-19.39	78.03	-445.83	5.25
3	4	113.50	-1379.89	-1.96	34.10	83.61	-312.37	5.67
3	5	77.00	-905.58	-1.95	-8.86	104.47	-376.13	4.96
3	5	95.25	-915.57	-1.95	-8.86	78.03	-375.18	5.25
3	5	113.50	-894.64	-1.96	27.55	83.61	-205.41	5.67
3	6	77.00	-1358.79	-1.95	-18.98	104.47	-441.06	4.96
3	6	95.25	-1376.67	-1.95	-18.98	78.03	-439.94	5.25
3	6	113.50	-1351.30	-1.96	33.64	83.61	-306.93	5.67
3	7	77.00	-935.10	-1.95	-9.30	104.47	-381.74	4.96
3	7	95.25	-945.46	-1.95	-9.30	78.03	-380.78	5.25
3	7	113.50	-924.29	-1.96	27.99	83.61	-211.03	5.67
3	8	77.00	-1388.32	-1.95	-19.41	104.47	-446.67	4.96
3	8	95.25	-1406.56	-1.95	-19.41	78.03	-445.53	5.25
3	8	113.50	-1380.95	-1.96	34.08	83.61	-312.55	5.67
3	9	77.00	-977.28	-1.95	-9.93	104.47	-390.46	4.96
3	9	95.25	-988.83	-1.95	-9.93	78.03	-389.47	5.25
3	9	113.50	-967.70	-1.96	28.67	83.61	-219.28	5.67
3	10	77.00	-1430.50	-1.95	-20.04	104.47	-455.39	4.96
3	10	95.25	-1449.92	-1.95	-20.04	78.03	-454.23	5.25
3	10	113.50	-1424.36	-1.96	34.76	83.61	-320.80	5.67
3	11	77.00	-1006.81	-1.95	-10.36	104.47	-396.06	4.96
3	11	95.25	-1018.72	-1.95	-10.36	78.03	-395.07	5.25
3	11	113.50	-997.35	-1.96	29.10	83.61	-224.90	5.67
3	12	77.00	-1460.02	-1.95	-20.48	104.47	-461.00	4.96
3	12	95.25	-1479.81	-1.95	-20.48	78.03	-459.82	5.25
3	12	113.50	-1454.01	-1.96	35.19	83.61	-326.42	5.67
3	13	77.00	-979.40	-1.95	-9.95	104.47	-390.15	4.96
3	13	95.25	-990.30	-1.95	-9.95	78.03	-389.17	5.25
3	13	113.50	-968.76	-1.96	28.64	83.61	-219.46	5.67
3	14	77.00	-1432.61	-1.95	-20.07	104.47	-455.08	4.96
3	14	95.25	-1451.39	-1.95	-20.07	78.03	-453.93	5.25
3	14	113.50	-1425.42	-1.96	34.73	83.61	-320.98	5.67
3	15	77.00	-1008.93	-1.95	-10.39	104.47	-395.76	4.96
3	15	95.25	-1020.19	-1.95	-10.39	78.03	-394.77	5.25
3	15	113.50	-998.41	-1.96	29.08	83.61	-225.08	5.67
3	16	77.00	-1462.14	-1.95	-20.51	104.47	-460.69	4.96
3	16	95.25	-1481.28	-1.95	-20.51	78.03	-459.52	5.25
3	16	113.50	-1455.07	-1.96	35.17	83.61	-326.60	5.67
...								
3	203	113.50	-986.67	-1.51	25.27	64.32	-222.57	4.36
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-2242.07	-737.21	-21.52	-6.920e+04	-532.81	-608.16
			239.37	735.36	51.03	6.903e+04	-126.18	619.39

Macro	Tipo	Angolo 1-Z (gradi)
8	**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
8	1	77.00	-195.66	-22.50	-4.71	228.26	-7.76	67.15
8	1	95.25	-202.24	-22.50	-4.71	228.26	-7.25	9.77
8	1	113.50	-182.82	28.28	4.15	162.58	-14.77	-50.83
8	2	77.00	-271.10	-30.52	-10.11	453.35	28.70	73.09

8	2	95.25	-280.22	-30.52	-10.11	453.35	29.24	18.89
8	2	113.50	-258.59	36.73	5.48	333.90	-19.83	-64.66
8	3	77.00	-200.64	-23.00	-4.91	238.42	-7.54	68.61
8	3	95.25	-207.36	-23.00	-4.91	238.42	-7.01	10.15
8	3	113.50	-187.80	28.82	4.33	172.63	-14.82	-52.19
8	4	77.00	-276.07	-31.02	-10.31	463.51	28.92	74.55
8	4	95.25	-285.33	-31.02	-10.31	463.51	29.49	19.27
8	4	113.50	-263.57	37.27	5.65	343.95	-19.88	-66.01
8	5	77.00	-193.31	-22.20	-4.64	212.80	-8.40	66.55
8	5	95.25	-199.90	-22.20	-4.64	212.80	-7.90	9.79
8	5	113.50	-181.06	28.62	4.15	152.59	-14.89	-50.64
8	6	77.00	-268.74	-30.22	-10.04	437.88	28.06	72.48
8	6	95.25	-277.88	-30.22	-10.04	437.88	28.60	18.90
8	6	113.50	-256.84	37.06	5.47	323.91	-19.96	-64.46
8	7	77.00	-198.28	-22.70	-4.84	222.96	-8.18	68.01
8	7	95.25	-205.02	-22.70	-4.84	222.96	-7.65	10.17
8	7	113.50	-186.04	29.16	4.32	162.64	-14.94	-51.99
8	8	77.00	-273.72	-30.72	-10.24	448.05	28.28	73.94
8	8	95.25	-282.99	-30.72	-10.24	448.05	28.84	19.28
8	8	113.50	-261.82	37.60	5.64	333.96	-20.01	-65.82
8	9	77.00	-208.11	-23.75	-5.20	253.67	-7.21	70.79
8	9	95.25	-215.03	-23.75	-5.20	253.67	-6.64	10.72
8	9	113.50	-195.27	29.63	4.58	187.70	-14.89	-54.21
8	10	77.00	-283.54	-31.78	-10.60	478.75	29.25	76.73
8	10	95.25	-293.01	-31.78	-10.60	478.75	29.86	19.84
8	10	113.50	-271.05	38.07	5.91	359.02	-19.95	-68.03
8	11	77.00	-213.09	-24.26	-5.39	263.83	-6.99	72.25
8	11	95.25	-220.15	-24.26	-5.39	263.83	-6.39	11.11
8	11	113.50	-200.25	30.17	4.75	197.75	-14.93	-55.56
8	12	77.00	-288.52	-32.28	-10.80	488.91	29.47	78.19
8	12	95.25	-298.13	-32.28	-10.80	488.91	30.10	20.22
8	12	113.50	-276.03	38.61	6.08	369.07	-20.00	-69.38
8	13	77.00	-205.75	-23.45	-5.13	238.21	-7.85	70.19
8	13	95.25	-212.69	-23.45	-5.13	238.21	-7.28	10.74
8	13	113.50	-193.51	29.96	4.58	177.72	-15.01	-54.02
8	14	77.00	-281.18	-31.47	-10.53	463.29	28.61	76.13
8	14	95.25	-290.67	-31.47	-10.53	463.29	29.21	19.86
8	14	113.50	-269.29	38.41	5.90	349.03	-20.08	-67.84
8	15	77.00	-210.73	-23.96	-5.33	248.37	-7.62	71.65
8	15	95.25	-217.81	-23.96	-5.33	248.37	-7.04	11.12
8	15	113.50	-198.49	30.50	4.75	187.76	-15.06	-55.37
8	16	77.00	-286.16	-31.98	-10.73	473.45	28.84	77.59
8	16	95.25	-295.79	-31.98	-10.73	473.45	29.46	20.24
8	16	113.50	-274.27	38.95	6.07	359.08	-20.13	-69.19
...								
8	203	113.50	-189.66	27.40	4.22	231.35	-14.20	-48.92
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-478.10	-119.34	-28.20	-818.33	-106.85	-259.94
			-46.97	148.73	10.65	2243.34	187.71	394.07

Macro	Tipo	Angolo 1-Z (gradi)
9	**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
9	1	77.00	-508.82	27.55	-8.50	-2518.94	122.02	-117.17
9	1	95.25	-515.51	27.55	-8.50	-2518.94	118.47	12.52
9	1	113.50	-491.14	-11.41	-9.88	-2417.63	-43.71	44.51
9	2	77.00	-667.10	38.91	-10.70	-3348.64	155.46	-127.58
9	2	95.25	-676.36	38.91	-10.70	-3348.64	151.60	14.54
9	2	113.50	-646.17	-15.31	-13.29	-3182.58	-57.16	52.03
9	3	77.00	-519.06	28.02	-8.48	-2568.71	121.84	-117.40
9	3	95.25	-525.90	28.02	-8.48	-2568.71	118.25	12.55
9	3	113.50	-501.37	-11.84	-9.94	-2467.20	-44.25	44.77
9	4	77.00	-677.34	39.38	-10.68	-3398.42	155.27	-127.81
9	4	95.25	-686.74	39.38	-10.68	-3398.42	151.39	14.57
9	4	113.50	-656.39	-15.74	-13.36	-3232.15	-57.70	52.30
9	5	77.00	-509.97	27.78	-8.53	-2526.33	122.26	-117.23
9	5	95.25	-516.67	27.78	-8.53	-2526.33	118.71	12.61
9	5	113.50	-491.95	-11.06	-9.90	-2424.04	-43.86	44.57
9	6	77.00	-668.25	39.14	-10.73	-3356.04	155.70	-127.64
9	6	95.25	-677.51	39.14	-10.73	-3356.04	151.85	14.63
9	6	113.50	-646.98	-14.96	-13.31	-3188.99	-57.31	52.09
9	7	77.00	-520.21	28.25	-8.51	-2576.11	122.08	-117.46
9	7	95.25	-527.05	28.25	-8.51	-2576.11	118.50	12.65
9	7	113.50	-502.17	-11.49	-9.96	-2473.61	-44.40	44.83
9	8	77.00	-678.49	39.61	-10.72	-3405.81	155.51	-127.86
9	8	95.25	-687.90	39.61	-10.72	-3405.81	151.64	14.67
9	8	113.50	-657.20	-15.39	-13.37	-3238.55	-57.85	52.35
9	9	77.00	-534.43	28.72	-8.45	-2643.37	121.57	-117.73
9	9	95.25	-541.47	28.72	-8.45	-2643.37	117.94	12.60
9	9	113.50	-516.70	-12.48	-10.04	-2541.55	-45.06	45.17
9	10	77.00	-692.70	40.08	-10.66	-3473.08	155.00	-128.14
9	10	95.25	-702.32	40.08	-10.66	-3473.08	151.07	14.62
9	10	113.50	-671.73	-16.37	-13.45	-3306.50	-58.51	52.69
9	11	77.00	-544.67	29.19	-8.44	-2693.14	121.39	-117.96
9	11	95.25	-551.85	29.19	-8.44	-2693.14	117.73	12.63
9	11	113.50	-526.92	-12.90	-10.10	-2591.12	-45.60	45.43
9	12	77.00	-702.95	40.55	-10.64	-3522.85	154.82	-128.37
9	12	95.25	-712.70	40.55	-10.64	-3522.85	150.86	14.65
9	12	113.50	-681.95	-16.80	-13.51	-3356.07	-59.05	52.95
9	13	77.00	-535.57	28.95	-8.49	-2650.77	121.81	-117.79
9	13	95.25	-542.62	28.95	-8.49	-2650.77	118.19	12.69

9	13	113.50	-517.51	-12.13	-10.05	-2547.96	-45.21	45.23
9	14	77.00	-693.85	40.31	-10.69	-3480.48	155.24	-128.20
9	14	95.25	-703.47	40.31	-10.69	-3480.48	151.32	14.71
9	14	113.50	-672.53	-16.02	-13.46	-3312.91	-58.66	52.75
9	15	77.00	-545.81	29.42	-8.47	-2700.54	121.63	-118.02
9	15	95.25	-553.01	29.42	-8.47	-2700.54	117.97	12.72
9	15	113.50	-527.73	-12.55	-10.11	-2597.53	-45.75	45.49
9	16	77.00	-704.09	40.78	-10.67	-3530.25	155.06	-128.43
9	16	95.25	-713.85	40.78	-10.67	-3530.25	151.11	14.74
9	16	113.50	-682.76	-16.45	-13.52	-3362.48	-59.21	53.01
...								
9	203	113.50	-479.88	-11.52	-9.54	-2362.68	-41.86	38.76
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-912.83	-93.83	-40.28	-4834.51	-271.35	-175.11
			-123.18	116.27	17.24	-265.01	341.42	115.83

Macro	Tipo	Angolo 1-Z (gradi)
10	**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
10	1	77.00	-488.39	2.76	-0.49	-1633.51	-13.09	17.35
10	1	95.25	-486.61	2.76	-0.49	-1633.51	-12.70	5.89
10	1	113.50	-451.47	19.49	0.72	-1519.60	-12.01	-14.67
10	2	77.00	-672.73	-4.97	-0.97	-2054.88	-17.85	26.93
10	2	95.25	-670.76	-4.97	-0.97	-2054.88	-17.24	10.91
10	2	113.50	-635.80	17.18	0.76	-1999.04	-21.97	-22.50
10	3	77.00	-499.96	2.58	-0.53	-1662.40	-13.16	17.72
10	3	95.25	-498.16	2.58	-0.53	-1662.40	-12.76	6.11
10	3	113.50	-463.04	19.67	0.72	-1548.51	-12.47	-15.00
10	4	77.00	-684.30	-5.16	-1.01	-2083.77	-17.93	27.30
10	4	95.25	-682.31	-5.16	-1.01	-2083.77	-17.30	11.13
10	4	113.50	-647.37	17.36	0.77	-2027.96	-22.43	-22.83
10	5	77.00	-488.60	2.70	-0.54	-1633.14	-13.19	17.25
10	5	95.25	-486.83	2.70	-0.54	-1633.14	-12.82	5.92
10	5	113.50	-451.53	19.43	0.80	-1520.44	-11.84	-14.90
10	6	77.00	-672.94	-5.04	-1.02	-2054.51	-17.96	26.83
10	6	95.25	-670.98	-5.04	-1.02	-2054.51	-17.36	10.94
10	6	113.50	-635.86	17.11	0.84	-1999.88	-21.80	-22.73
10	7	77.00	-500.18	2.51	-0.58	-1662.03	-13.26	17.62
10	7	95.25	-498.38	2.51	-0.58	-1662.03	-12.88	6.14
10	7	113.50	-463.10	19.60	0.80	-1549.35	-12.30	-15.24
10	8	77.00	-684.51	-5.22	-1.06	-2083.40	-18.03	27.20
10	8	95.25	-682.53	-5.22	-1.06	-2083.40	-17.42	11.16
10	8	113.50	-647.43	17.29	0.85	-2028.80	-22.26	-23.07
10	9	77.00	-517.33	2.30	-0.59	-1705.73	-13.27	18.27
10	9	95.25	-515.48	2.30	-0.59	-1705.73	-12.86	6.43
10	9	113.50	-480.40	19.93	0.73	-1591.89	-13.16	-15.51
10	10	77.00	-701.66	-5.43	-1.07	-2127.10	-18.03	27.85
10	10	95.25	-699.63	-5.43	-1.07	-2127.10	-17.39	11.46
10	10	113.50	-664.73	17.62	0.77	-2071.33	-23.12	-23.34
10	11	77.00	-528.90	2.11	-0.63	-1734.62	-13.34	18.64
10	11	95.25	-527.03	2.11	-0.63	-1734.62	-12.92	6.65
10	11	113.50	-491.97	20.11	0.73	-1620.80	-13.62	-15.85
10	12	77.00	-713.24	-5.62	-1.11	-2155.99	-18.11	28.22
10	12	95.25	-711.18	-5.62	-1.11	-2155.99	-17.46	11.68
10	12	113.50	-676.30	17.80	0.78	-2100.25	-23.58	-23.68
10	13	77.00	-517.54	2.23	-0.64	-1705.36	-13.37	18.17
10	13	95.25	-515.70	2.23	-0.64	-1705.36	-12.97	6.47
10	13	113.50	-480.46	19.87	0.81	-1592.73	-12.99	-15.74
10	14	77.00	-701.87	-5.50	-1.12	-2126.73	-18.13	27.75
10	14	95.25	-699.85	-5.50	-1.12	-2126.73	-17.51	11.49
10	14	113.50	-664.79	17.56	0.85	-2072.17	-22.95	-23.57
10	15	77.00	-529.11	2.05	-0.68	-1734.25	-13.44	18.54
10	15	95.25	-527.25	2.05	-0.68	-1734.25	-13.03	6.69
10	15	113.50	-492.03	20.05	0.81	-1621.64	-13.45	-16.08
10	16	77.00	-713.45	-5.69	-1.16	-2155.62	-18.21	28.12
10	16	95.25	-711.40	-5.69	-1.16	-2155.62	-17.57	11.71
10	16	113.50	-676.36	17.74	0.86	-2101.09	-23.41	-23.91
...								
10	203	113.50	-467.22	14.07	0.62	-1478.92	-15.34	-16.18
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-713.52	-85.26	-27.63	-3134.15	-295.12	-225.08
			-299.04	85.98	28.05	547.84	266.85	240.21

Macro	Tipo	Angolo 1-Z (gradi)
11	**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
11	1	77.00	-736.17	-12.26	0.37	-1096.72	-20.62	10.60
11	1	95.25	-731.02	-12.26	0.37	-1096.72	-20.61	4.14
11	1	113.50	-731.86	-35.49	-0.17	-1344.85	-17.82	-4.58
11	2	77.00	-983.39	-6.68	-0.08	-1461.82	-22.95	10.56
11	2	95.25	-977.14	-6.68	-0.08	-1461.82	-23.12	6.23
11	2	113.50	-980.10	-38.13	-0.84	-1671.02	-29.16	-3.81

11	3	77.00	-751.88	-12.00	0.35	-1118.96	-20.55	10.49
11	3	95.25	-746.64	-12.00	0.35	-1118.96	-20.55	4.20
11	3	113.50	-747.57	-35.75	-0.21	-1367.10	-18.26	-4.46
11	4	77.00	-999.10	-6.42	-0.10	-1484.06	-22.88	10.45
11	4	95.25	-992.77	-6.42	-0.10	-1484.06	-23.06	6.28
11	4	113.50	-995.81	-38.39	-0.88	-1693.26	-29.60	-3.70
11	5	77.00	-736.31	-12.35	0.34	-1096.81	-20.26	10.49
11	5	95.25	-731.15	-12.35	0.34	-1096.81	-20.23	4.33
11	5	113.50	-732.07	-35.59	-0.22	-1345.27	-18.13	-4.56
11	6	77.00	-983.52	-6.77	-0.11	-1461.91	-22.59	10.46
11	6	95.25	-977.28	-6.77	-0.11	-1461.91	-22.74	6.42
11	6	113.50	-980.31	-38.23	-0.89	-1671.44	-29.46	-3.80
11	7	77.00	-752.02	-12.09	0.32	-1119.05	-20.19	10.39
11	7	95.25	-746.78	-12.09	0.32	-1119.05	-20.17	4.39
11	7	113.50	-747.78	-35.85	-0.26	-1367.51	-18.56	-4.45
11	8	77.00	-999.23	-6.51	-0.13	-1484.16	-22.52	10.35
11	8	95.25	-992.90	-6.51	-0.13	-1484.16	-22.69	6.47
11	8	113.50	-996.02	-38.49	-0.93	-1693.68	-29.90	-3.68
11	9	77.00	-775.45	-11.61	0.31	-1152.33	-20.44	10.33
11	9	95.25	-770.08	-11.61	0.31	-1152.33	-20.46	4.28
11	9	113.50	-771.14	-36.15	-0.27	-1400.46	-18.91	-4.28
11	10	77.00	-1022.66	-6.04	-0.14	-1517.43	-22.77	10.29
11	10	95.25	-1016.21	-6.04	-0.14	-1517.43	-22.97	6.36
11	10	113.50	-1019.38	-38.78	-0.94	-1726.63	-30.25	-3.52
11	11	77.00	-791.15	-11.36	0.28	-1174.58	-20.38	10.23
11	11	95.25	-785.71	-11.36	0.28	-1174.58	-20.40	4.33
11	11	113.50	-786.85	-36.41	-0.30	-1422.70	-19.35	-4.16
11	12	77.00	-1038.37	-5.78	-0.16	-1539.68	-22.70	10.19
11	12	95.25	-1031.83	-5.78	-0.16	-1539.68	-22.91	6.42
11	12	113.50	-1035.09	-39.04	-0.98	-1748.87	-30.69	-3.40
11	13	77.00	-775.58	-11.71	0.28	-1152.42	-20.08	10.23
11	13	95.25	-770.22	-11.71	0.28	-1152.42	-20.09	4.46
11	13	113.50	-771.34	-36.25	-0.32	-1400.87	-19.22	-4.27
11	14	77.00	-1022.80	-6.13	-0.17	-1517.52	-22.41	10.19
11	14	95.25	-1016.34	-6.13	-0.17	-1517.52	-22.60	6.55
11	14	113.50	-1019.59	-38.88	-0.99	-1727.04	-30.56	-3.51
11	15	77.00	-791.29	-11.45	0.26	-1174.67	-20.01	10.12
11	15	95.25	-785.85	-11.45	0.26	-1174.67	-20.03	4.52
11	15	113.50	-787.06	-36.51	-0.35	-1423.12	-19.66	-4.15
11	16	77.00	-1038.51	-5.87	-0.19	-1539.77	-22.34	10.09
11	16	95.25	-1031.97	-5.87	-0.19	-1539.77	-22.54	6.60
11	16	113.50	-1035.30	-39.15	-1.03	-1749.28	-30.99	-3.39
...								
11	203	113.50	-724.77	-29.23	-0.58	-1250.14	-20.69	-2.89
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1068.31	-94.01	-39.60	-2600.53	-341.58	-108.60
			-333.21	60.40	40.31	517.64	304.74	115.01

Macro	Tipo	Angolo 1-Z (gradi)
12	**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
12	1	77.00	-490.70	6.79	-0.13	-1662.84	3.93	-2.91
12	1	95.25	-488.77	6.79	-0.13	-1662.84	3.72	2.02
12	1	113.50	-455.22	24.39	0.06	-1543.08	2.06	2.54
12	2	77.00	-680.99	0.38	-0.35	-2097.08	6.11	-3.64
12	2	95.25	-678.76	0.38	-0.35	-2097.08	5.83	3.32
12	2	113.50	-645.33	24.23	0.16	-2034.67	2.64	3.80
12	3	77.00	-502.75	6.56	-0.16	-1692.60	4.08	-2.90
12	3	95.25	-500.79	6.56	-0.16	-1692.60	3.87	2.12
12	3	113.50	-467.27	24.57	0.06	-1572.91	1.99	2.57
12	4	77.00	-693.04	0.15	-0.37	-2126.85	6.26	-3.63
12	4	95.25	-690.78	0.15	-0.37	-2126.85	5.98	3.42
12	4	113.50	-657.37	24.41	0.16	-2064.50	2.56	3.82
12	5	77.00	-491.45	6.51	-0.16	-1656.74	4.05	-2.99
12	5	95.25	-489.52	6.51	-0.16	-1656.74	3.83	2.17
12	5	113.50	-455.81	24.15	0.07	-1539.11	1.99	2.42
12	6	77.00	-681.74	0.10	-0.38	-2090.99	6.23	-3.72
12	6	95.25	-679.51	0.10	-0.38	-2090.99	5.94	3.46
12	6	113.50	-645.92	23.99	0.17	-2030.71	2.56	3.68
12	7	77.00	-503.49	6.28	-0.18	-1686.51	4.20	-2.98
12	7	95.25	-501.53	6.28	-0.18	-1686.51	3.98	2.26
12	7	113.50	-467.85	24.33	0.07	-1568.94	1.91	2.45
12	8	77.00	-693.78	-0.13	-0.40	-2120.76	6.38	-3.72
12	8	95.25	-691.52	-0.13	-0.40	-2120.76	6.09	3.56
12	8	113.50	-657.96	24.17	0.17	-2060.54	2.49	3.70
12	9	77.00	-520.82	6.23	-0.19	-1737.25	4.30	-2.90
12	9	95.25	-518.81	6.23	-0.19	-1737.25	4.09	2.26
12	9	113.50	-485.33	24.84	0.06	-1617.65	1.87	2.61
12	10	77.00	-711.11	-0.19	-0.40	-2171.50	6.48	-3.63
12	10	95.25	-708.80	-0.19	-0.40	-2171.50	6.20	3.56
12	10	113.50	-675.44	24.68	0.16	-2109.24	2.45	3.86
12	11	77.00	-532.86	6.00	-0.21	-1767.02	4.46	-2.89
12	11	95.25	-530.83	6.00	-0.21	-1767.02	4.24	2.35
12	11	113.50	-497.37	25.02	0.06	-1647.48	1.80	2.63
12	12	77.00	-723.15	-0.41	-0.42	-2201.27	6.64	-3.62
12	12	95.25	-720.82	-0.41	-0.42	-2201.27	6.35	3.65
12	12	113.50	-687.48	24.86	0.16	-2139.07	2.37	3.89
12	13	77.00	-521.56	5.94	-0.22	-1731.16	4.42	-2.98
12	13	95.25	-519.56	5.94	-0.22	-1731.16	4.20	2.40
12	13	113.50	-485.91	24.60	0.07	-1613.69	1.80	2.49
12	14	77.00	-711.85	-0.47	-0.43	-2165.41	6.60	-3.71

12	14	95.25	-709.55	-0.47	-0.43	-2165.41	6.31	3.70
12	14	113.50	-676.02	24.44	0.17	-2105.28	2.37	3.74
12	15	77.00	-533.61	5.72	-0.24	-1760.92	4.57	-2.97
12	15	95.25	-531.57	5.72	-0.24	-1760.92	4.35	2.50
12	15	113.50	-497.95	24.78	0.07	-1643.51	1.72	2.51
12	16	77.00	-723.90	-0.70	-0.45	-2195.17	6.76	-3.71
12	16	95.25	-721.56	-0.70	-0.45	-2195.17	6.46	3.80
12	16	113.50	-688.06	24.62	0.17	-2135.11	2.30	3.77
...								
12	203	113.50	-474.27	18.92	0.10	-1503.32	1.72	2.63
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-724.15	-37.05	-26.56	-2988.36	-235.72	-205.87
			-324.14	49.24	23.40	35.76	243.88	194.53

Macro	Tipo	Angolo 1-Z (gradi)
13	**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
13	1	77.00	-746.71	-7.96	-0.60	-1131.18	8.77	-1.60
13	1	95.25	-741.41	-7.96	-0.60	-1131.18	8.89	2.04
13	1	113.50	-739.62	-31.55	-0.58	-1358.64	-0.79	1.94
13	2	77.00	-1001.97	-1.26	-0.85	-1508.92	12.15	-1.60
13	2	95.25	-995.52	-1.26	-0.85	-1508.92	12.33	3.10
13	2	113.50	-995.16	-33.37	-0.86	-1694.10	-1.72	2.42
13	3	77.00	-763.00	-7.70	-0.61	-1154.15	8.94	-1.58
13	3	95.25	-757.62	-7.70	-0.61	-1154.15	9.05	2.09
13	3	113.50	-755.92	-31.83	-0.60	-1381.65	-0.93	1.94
13	4	77.00	-1018.26	-1.00	-0.86	-1531.90	12.32	-1.59
13	4	95.25	-1011.72	-1.00	-0.86	-1531.90	12.49	3.15
13	4	113.50	-1011.46	-33.65	-0.88	-1717.11	-1.86	2.42
13	5	77.00	-746.20	-8.11	-0.63	-1128.76	9.13	-1.63
13	5	95.25	-740.91	-8.11	-0.63	-1128.76	9.25	2.16
13	5	113.50	-739.25	-31.72	-0.62	-1356.39	-1.11	1.96
13	6	77.00	-1001.46	-1.41	-0.88	-1506.51	12.51	-1.63
13	6	95.25	-995.01	-1.41	-0.88	-1506.51	12.69	3.23
13	6	113.50	-994.80	-33.55	-0.91	-1691.85	-2.04	2.44
13	7	77.00	-762.49	-7.85	-0.65	-1151.74	9.29	-1.61
13	7	95.25	-757.11	-7.85	-0.65	-1151.74	9.42	2.22
13	7	113.50	-755.55	-32.01	-0.64	-1379.39	-1.25	1.96
13	8	77.00	-1017.74	-1.15	-0.90	-1529.48	12.67	-1.62
13	8	95.25	-1011.21	-1.15	-0.90	-1529.48	12.85	3.28
13	8	113.50	-1011.09	-33.83	-0.93	-1714.85	-2.17	2.43
13	9	77.00	-787.43	-7.31	-0.64	-1188.62	9.18	-1.56
13	9	95.25	-781.92	-7.31	-0.64	-1188.62	9.30	2.17
13	9	113.50	-780.36	-32.26	-0.63	-1416.16	-1.14	1.94
13	10	77.00	-1042.69	-0.61	-0.89	-1566.36	12.56	-1.56
13	10	95.25	-1036.02	-0.61	-0.89	-1566.36	12.74	3.23
13	10	113.50	-1035.90	-34.08	-0.91	-1751.62	-2.06	2.41
13	11	77.00	-803.72	-7.06	-0.66	-1211.59	9.34	-1.54
13	11	95.25	-798.12	-7.06	-0.66	-1211.59	9.47	2.22
13	11	113.50	-796.66	-32.54	-0.65	-1439.16	-1.28	1.94
13	12	77.00	-1058.98	-0.35	-0.91	-1589.34	12.73	-1.55
13	12	95.25	-1052.22	-0.35	-0.91	-1589.34	12.90	3.29
13	12	113.50	-1052.20	-34.37	-0.93	-1774.62	-2.20	2.41
13	13	77.00	-786.92	-7.47	-0.68	-1186.20	9.54	-1.59
13	13	95.25	-781.41	-7.47	-0.68	-1186.20	9.67	2.30
13	13	113.50	-780.00	-32.44	-0.67	-1413.90	-1.46	1.96
13	14	77.00	-1042.17	-0.77	-0.93	-1563.95	12.92	-1.59
13	14	95.25	-1035.52	-0.77	-0.93	-1563.95	13.10	3.36
13	14	113.50	-1035.54	-34.26	-0.96	-1749.36	-2.38	2.43
13	15	77.00	-803.20	-7.21	-0.69	-1209.18	9.70	-1.57
13	15	95.25	-797.62	-7.21	-0.69	-1209.18	9.83	2.35
13	15	113.50	-796.30	-32.72	-0.69	-1436.91	-1.60	1.95
13	16	77.00	-1058.46	-0.51	-0.94	-1586.92	13.08	-1.58
13	16	95.25	-1051.72	-0.51	-0.94	-1586.92	13.27	3.41
13	16	113.50	-1051.84	-34.54	-0.98	-1772.37	-2.52	2.43
...								
13	203	113.50	-735.51	-25.84	-0.65	-1266.10	-1.48	1.75
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1059.15	-57.79	-32.44	-2402.82	-273.48	-89.74
			-479.08	38.50	35.08	97.37	282.22	80.60

Macro	Tipo	Angolo 1-Z (gradi)
14	**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
14	1	77.00	-491.75	7.36	-0.09	-1683.78	0.56	1.06
14	1	95.25	-489.87	7.36	-0.09	-1683.78	0.55	2.33
14	1	113.50	-456.51	24.85	-0.17	-1559.54	-2.61	-1.00
14	2	77.00	-683.93	1.38	-0.11	-2123.48	0.32	1.55
14	2	95.25	-681.77	1.38	-0.11	-2123.48	0.31	2.88
14	2	113.50	-648.56	25.06	-0.17	-2055.25	-3.19	-1.40
14	3	77.00	-503.98	7.15	-0.10	-1713.87	0.57	1.08
14	3	95.25	-502.07	7.15	-0.10	-1713.87	0.56	2.37

14	3	113.50	-468.73	25.04	-0.17	-1589.72	-2.66	-1.01
14	4	77.00	-696.16	1.17	-0.11	-2153.57	0.33	1.58
14	4	95.25	-693.97	1.17	-0.11	-2153.57	0.33	2.92
14	4	113.50	-660.78	25.25	-0.17	-2085.43	-3.23	-1.41
14	5	77.00	-492.32	7.09	-0.10	-1677.44	0.63	1.03
14	5	95.25	-490.45	7.09	-0.10	-1677.44	0.62	2.41
14	5	113.50	-457.04	24.62	-0.17	-1554.43	-2.68	-1.02
14	6	77.00	-684.50	1.11	-0.12	-2117.14	0.39	1.52
14	6	95.25	-682.34	1.11	-0.12	-2117.14	0.39	2.96
14	6	113.50	-649.09	24.83	-0.17	-2050.14	-3.25	-1.42
14	7	77.00	-504.55	6.88	-0.10	-1707.53	0.65	1.06
14	7	95.25	-502.64	6.88	-0.10	-1707.53	0.63	2.44
14	7	113.50	-469.26	24.81	-0.17	-1584.60	-2.72	-1.03
14	8	77.00	-696.73	0.90	-0.12	-2147.23	0.41	1.55
14	8	95.25	-694.54	0.90	-0.12	-2147.23	0.40	2.99
14	8	113.50	-661.31	25.02	-0.17	-2080.32	-3.30	-1.43
14	9	77.00	-522.32	6.83	-0.10	-1759.01	0.60	1.12
14	9	95.25	-520.37	6.83	-0.10	-1759.01	0.59	2.42
14	9	113.50	-487.05	25.33	-0.17	-1634.99	-2.73	-1.03
14	10	77.00	-714.50	0.85	-0.12	-2198.71	0.36	1.61
14	10	95.25	-712.27	0.85	-0.12	-2198.71	0.35	2.97
14	10	113.50	-679.11	25.55	-0.17	-2130.70	-3.30	-1.43
14	11	77.00	-534.55	6.62	-0.11	-1789.11	0.61	1.15
14	11	95.25	-532.57	6.62	-0.11	-1789.11	0.60	2.45
14	11	113.50	-499.27	25.53	-0.17	-1665.17	-2.77	-1.04
14	12	77.00	-726.73	0.63	-0.13	-2228.81	0.37	1.64
14	12	95.25	-724.46	0.63	-0.13	-2228.81	0.37	3.01
14	12	113.50	-691.32	25.74	-0.17	-2160.88	-3.35	-1.44
14	13	77.00	-522.89	6.56	-0.11	-1752.67	0.67	1.10
14	13	95.25	-520.94	6.56	-0.11	-1752.67	0.66	2.49
14	13	113.50	-487.58	25.10	-0.17	-1629.87	-2.79	-1.05
14	14	77.00	-715.07	0.58	-0.13	-2192.37	0.43	1.59
14	14	95.25	-712.84	0.58	-0.13	-2192.37	0.43	3.05
14	14	113.50	-679.63	25.32	-0.17	-2125.58	-3.36	-1.45
14	15	77.00	-535.12	6.35	-0.12	-1782.77	0.69	1.12
14	15	95.25	-533.14	6.35	-0.12	-1782.77	0.68	2.53
14	15	113.50	-499.80	25.30	-0.17	-1660.05	-2.83	-1.06
14	16	77.00	-727.30	0.37	-0.13	-2222.47	0.45	1.61
14	16	95.25	-725.04	0.37	-0.13	-2222.47	0.44	3.08
14	16	113.50	-691.85	25.51	-0.17	-2155.76	-3.41	-1.46
...								
14	203	113.50	-476.60	19.50	-0.13	-1518.39	-2.43	-1.01
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-727.49	-14.11	-25.74	-2948.29	-239.69	-195.99
			-313.10	37.98	24.98	-334.45	237.67	185.58

Macro	Tipo	Angolo 1-Z (gradi)
15	**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
15	1	77.00	-752.27	-7.73	-0.39	-1146.05	1.68	0.89
15	1	95.25	-746.95	-7.73	-0.39	-1146.05	1.71	1.54
15	1	113.50	-744.94	-31.39	-0.40	-1374.37	-4.67	-0.50
15	2	77.00	-1010.32	-0.79	-0.46	-1528.26	1.79	1.11
15	2	95.25	-1003.82	-0.79	-0.46	-1528.26	1.83	1.94
15	2	113.50	-1003.09	-33.04	-0.48	-1713.99	-5.79	-0.58
15	3	77.00	-768.78	-7.46	-0.39	-1169.33	1.71	0.90
15	3	95.25	-763.37	-7.46	-0.39	-1169.33	1.74	1.56
15	3	113.50	-761.46	-31.67	-0.40	-1397.67	-4.73	-0.50
15	4	77.00	-1026.83	-0.53	-0.46	-1551.54	1.82	1.12
15	4	95.25	-1020.24	-0.53	-0.46	-1551.54	1.86	1.96
15	4	113.50	-1019.61	-33.32	-0.49	-1737.30	-5.85	-0.58
15	5	77.00	-751.53	-7.83	-0.40	-1143.26	1.81	0.90
15	5	95.25	-746.23	-7.83	-0.40	-1143.26	1.85	1.59
15	5	113.50	-744.32	-31.51	-0.41	-1371.56	-4.79	-0.50
15	6	77.00	-1009.58	-0.90	-0.47	-1525.47	1.93	1.12
15	6	95.25	-1003.10	-0.90	-0.47	-1525.47	1.97	1.98
15	6	113.50	-1002.47	-33.16	-0.50	-1711.19	-5.92	-0.57
15	7	77.00	-768.04	-7.57	-0.41	-1166.54	1.84	0.90
15	7	95.25	-762.65	-7.57	-0.41	-1166.54	1.88	1.60
15	7	113.50	-760.84	-31.79	-0.42	-1394.87	-4.85	-0.49
15	8	77.00	-1026.09	-0.63	-0.48	-1548.75	1.96	1.12
15	8	95.25	-1019.52	-0.63	-0.48	-1548.75	2.00	2.00
15	8	113.50	-1018.99	-33.44	-0.50	-1734.49	-5.98	-0.57
15	9	77.00	-793.55	-7.06	-0.40	-1204.26	1.75	0.91
15	9	95.25	-788.01	-7.06	-0.40	-1204.26	1.78	1.59
15	9	113.50	-786.24	-32.10	-0.41	-1432.63	-4.82	-0.50
15	10	77.00	-1051.60	-0.13	-0.47	-1586.47	1.86	1.13
15	10	95.25	-1044.88	-0.13	-0.47	-1586.47	1.90	1.98
15	10	113.50	-1044.39	-33.74	-0.49	-1772.25	-5.94	-0.57
15	11	77.00	-810.07	-6.80	-0.40	-1227.55	1.77	0.91
15	11	95.25	-804.44	-6.80	-0.40	-1227.55	1.81	1.61
15	11	113.50	-802.76	-32.38	-0.42	-1455.94	-4.88	-0.50
15	12	77.00	-1068.11	0.14	-0.48	-1609.75	1.89	1.13
15	12	95.25	-1061.31	0.14	-0.48	-1609.76	1.93	2.00
15	12	113.50	-1060.91	-34.03	-0.50	-1795.56	-6.00	-0.57
15	13	77.00	-792.81	-7.17	-0.42	-1201.47	1.88	0.91
15	13	95.25	-787.29	-7.17	-0.42	-1201.47	1.92	1.63
15	13	113.50	-785.62	-32.22	-0.43	-1429.83	-4.94	-0.49
15	14	77.00	-1050.86	-0.23	-0.49	-1583.68	2.00	1.13
15	14	95.25	-1044.16	-0.23	-0.49	-1583.68	2.04	2.03
15	14	113.50	-1043.77	-33.87	-0.51	-1769.45	-6.07	-0.57

15	15	77.00	-809.33	-6.90	-0.42	-1224.76	1.91	0.91
15	15	95.25	-803.72	-6.90	-0.42	-1224.76	1.95	1.65
15	15	113.50	-802.14	-32.50	-0.43	-1453.13	-5.00	-0.49
15	16	77.00	-1067.37	0.04	-0.49	-1606.97	2.03	1.13
15	16	95.25	-1060.59	0.04	-0.49	-1606.97	2.07	2.04
15	16	113.50	-1060.29	-34.15	-0.52	-1792.76	-6.13	-0.57
...								
15	203	113.50	-741.31	-25.60	-0.37	-1280.76	-4.35	-0.42
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1068.36	-41.27	-31.36	-2257.36	-254.94	-78.28
			-564.53	25.31	32.59	-188.16	254.71	71.31

Macro	Tipo	Angolo 1-Z (gradi)
16	**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
16	1	77.00	-494.29	7.23	-0.27	-1695.90	2.82	-0.35
16	1	95.25	-492.41	7.23	-0.27	-1695.90	2.81	1.10
16	1	113.50	-458.98	24.80	-0.16	-1572.27	-1.54	0.81
16	2	77.00	-686.47	1.24	-0.25	-2135.60	3.06	-0.85
16	2	95.25	-684.31	1.24	-0.25	-2135.60	3.05	0.54
16	2	113.50	-651.03	25.02	-0.16	-2067.98	-0.97	1.21
16	3	77.00	-506.52	7.01	-0.26	-1726.00	2.81	-0.38
16	3	95.25	-504.61	7.01	-0.26	-1726.00	2.80	1.06
16	3	113.50	-471.20	25.00	-0.16	-1602.45	-1.50	0.82
16	4	77.00	-698.70	1.03	-0.24	-2165.69	3.05	-0.87
16	4	95.25	-696.51	1.03	-0.24	-2165.69	3.03	0.51
16	4	113.50	-663.25	25.21	-0.16	-2098.16	-0.92	1.22
16	5	77.00	-494.86	6.96	-0.26	-1689.56	2.75	-0.33
16	5	95.25	-492.98	6.96	-0.26	-1689.56	2.74	1.02
16	5	113.50	-459.51	24.57	-0.16	-1567.16	-1.48	0.83
16	6	77.00	-687.04	0.97	-0.24	-2129.26	2.99	-0.82
16	6	95.25	-684.88	0.97	-0.24	-2129.26	2.97	0.47
16	6	113.50	-651.56	24.79	-0.16	-2062.87	-0.91	1.23
16	7	77.00	-507.09	6.74	-0.25	-1719.65	2.73	-0.35
16	7	95.25	-505.18	6.74	-0.25	-1719.65	2.72	0.99
16	7	113.50	-471.73	24.77	-0.16	-1597.34	-1.44	0.84
16	8	77.00	-699.27	0.76	-0.24	-2159.35	2.97	-0.85
16	8	95.25	-697.08	0.76	-0.24	-2159.35	2.96	0.43
16	8	113.50	-663.78	24.98	-0.15	-2093.05	-0.86	1.24
16	9	77.00	-524.86	6.69	-0.25	-1771.14	2.78	-0.42
16	9	95.25	-522.91	6.69	-0.25	-1771.14	2.77	1.01
16	9	113.50	-489.53	25.29	-0.16	-1647.72	-1.43	0.84
16	10	77.00	-717.04	0.71	-0.24	-2210.84	3.02	-0.91
16	10	95.25	-714.80	0.71	-0.24	-2210.84	3.00	0.46
16	10	113.50	-681.58	25.50	-0.16	-2143.43	-0.85	1.24
16	11	77.00	-537.09	6.48	-0.25	-1801.23	2.77	-0.44
16	11	95.25	-535.11	6.48	-0.25	-1801.23	2.76	0.97
16	11	113.50	-501.74	25.49	-0.16	-1677.90	-1.39	0.85
16	12	77.00	-729.27	0.50	-0.23	-2240.93	3.01	-0.94
16	12	95.25	-727.00	0.50	-0.23	-2240.93	2.99	0.42
16	12	113.50	-693.80	25.70	-0.16	-2173.61	-0.81	1.25
16	13	77.00	-525.43	6.43	-0.25	-1764.80	2.71	-0.39
16	13	95.25	-523.48	6.43	-0.25	-1764.80	2.70	0.93
16	13	113.50	-490.06	25.06	-0.15	-1642.60	-1.37	0.86
16	14	77.00	-717.61	0.44	-0.23	-2204.49	2.95	-0.88
16	14	95.25	-715.38	0.44	-0.23	-2204.49	2.93	0.38
16	14	113.50	-682.11	25.27	-0.15	-2138.31	-0.79	1.26
16	15	77.00	-537.66	6.21	-0.24	-1794.89	2.69	-0.42
16	15	95.25	-535.68	6.21	-0.24	-1794.89	2.68	0.90
16	15	113.50	-502.27	25.25	-0.15	-1672.78	-1.32	0.87
16	16	77.00	-729.84	0.23	-0.23	-2234.59	2.93	-0.91
16	16	95.25	-727.58	0.23	-0.23	-2234.59	2.92	0.35
16	16	113.50	-694.32	25.47	-0.15	-2168.49	-0.75	1.27
...								
16	203	113.50	-478.50	19.47	-0.12	-1528.19	-0.77	0.87
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-730.03	-14.27	-25.29	-2959.90	-241.70	-183.33
			-314.37	38.07	25.49	-341.48	243.11	199.49

Macro	Tipo	Angolo 1-Z (gradi)
17	**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
17	1	77.00	-757.12	-7.73	-0.25	-1155.67	3.06	-0.54
17	1	95.25	-751.77	-7.73	-0.25	-1155.67	3.05	0.24
17	1	113.50	-749.85	-31.53	-0.26	-1384.17	-1.13	0.48
17	2	77.00	-1015.17	-0.79	-0.18	-1537.88	2.94	-0.76
17	2	95.25	-1008.64	-0.79	-0.18	-1537.88	2.93	-0.15
17	2	113.50	-1008.00	-33.18	-0.18	-1723.80	-4.89e-03	0.55
17	3	77.00	-773.63	-7.46	-0.25	-1178.96	3.03	-0.54
17	3	95.25	-768.20	-7.46	-0.25	-1178.96	3.02	0.22
17	3	113.50	-766.37	-31.81	-0.25	-1407.48	-1.07	0.48
17	4	77.00	-1031.68	-0.53	-0.18	-1561.17	2.92	-0.77

17	4	95.25	-1025.07	-0.53	-0.18	-1561.17	2.90	-0.17
17	4	113.50	-1024.52	-33.46	-0.17	-1747.10	0.05	0.55
17	5	77.00	-756.38	-7.83	-0.24	-1152.88	2.92	-0.54
17	5	95.25	-751.05	-7.83	-0.24	-1152.88	2.91	0.20
17	5	113.50	-749.23	-31.66	-0.24	-1381.37	-1.01	0.47
17	6	77.00	-1014.43	-0.89	-0.17	-1535.09	2.81	-0.76
17	6	95.25	-1007.92	-0.89	-0.17	-1535.09	2.79	-0.20
17	6	113.50	-1007.38	-33.30	-0.16	-1720.99	0.12	0.55
17	7	77.00	-772.89	-7.57	-0.23	-1176.17	2.90	-0.55
17	7	95.25	-767.48	-7.57	-0.23	-1176.17	2.88	0.18
17	7	113.50	-765.75	-31.94	-0.24	-1404.67	-0.95	0.47
17	8	77.00	-1030.94	-0.63	-0.16	-1558.38	2.78	-0.77
17	8	95.25	-1024.35	-0.63	-0.16	-1558.38	2.76	-0.22
17	8	113.50	-1023.90	-33.59	-0.15	-1744.30	0.18	0.55
17	9	77.00	-798.40	-7.06	-0.24	-1213.89	2.99	-0.55
17	9	95.25	-792.84	-7.06	-0.24	-1213.89	2.98	0.20
17	9	113.50	-791.15	-32.24	-0.24	-1442.44	-0.98	0.47
17	10	77.00	-1056.45	-0.13	-0.17	-1596.09	2.87	-0.77
17	10	95.25	-1049.71	-0.13	-0.17	-1596.09	2.86	-0.20
17	10	113.50	-1049.30	-33.89	-0.16	-1782.06	0.14	0.55
17	11	77.00	-814.92	-6.80	-0.24	-1237.17	2.96	-0.56
17	11	95.25	-809.26	-6.80	-0.24	-1237.17	2.95	0.18
17	11	113.50	-807.67	-32.52	-0.24	-1465.74	-0.92	0.47
17	12	77.00	-1072.96	0.14	-0.16	-1619.38	2.85	-0.78
17	12	95.25	-1066.14	0.14	-0.16	-1619.38	2.83	-0.22
17	12	113.50	-1065.82	-34.17	-0.15	-1805.36	0.20	0.55
17	13	77.00	-797.66	-7.17	-0.23	-1211.10	2.85	-0.55
17	13	95.25	-792.12	-7.17	-0.23	-1211.10	2.84	0.15
17	13	113.50	-790.53	-32.36	-0.23	-1439.63	-0.86	0.47
17	14	77.00	-1055.71	-0.23	-0.15	-1593.31	2.74	-0.77
17	14	95.25	-1048.99	-0.23	-0.15	-1593.31	2.72	-0.24
17	14	113.50	-1048.68	-34.01	-0.14	-1779.25	0.27	0.55
17	15	77.00	-814.18	-6.90	-0.22	-1234.38	2.83	-0.56
17	15	95.25	-808.54	-6.90	-0.22	-1234.38	2.81	0.14
17	15	113.50	-807.05	-32.65	-0.22	-1462.94	-0.80	0.47
17	16	77.00	-1072.22	0.04	-0.15	-1616.59	2.71	-0.78
17	16	95.25	-1065.42	0.04	-0.15	-1616.59	2.69	-0.26
17	16	113.50	-1065.20	-34.29	-0.14	-1802.56	0.33	0.54
...								
17	203	113.50	-745.09	-25.71	-0.14	-1288.31	-0.11	0.40
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1073.21	-41.42	-33.23	-2269.53	-260.34	-70.01
			-567.79	25.60	29.94	-193.80	259.72	80.05

Macro	Tipo	Angolo 1-Z (gradi)
18	**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
18	1	77.00	-497.85	5.90	-0.08	-1699.96	-1.60	3.36
18	1	95.25	-495.91	5.90	-0.08	-1699.96	-1.40	0.52
18	1	113.50	-462.28	23.75	-0.31	-1581.75	-4.97	-2.61
18	2	77.00	-688.14	-0.51	0.14	-2134.20	-3.78	4.09
18	2	95.25	-685.90	-0.51	0.14	-2134.20	-3.51	-0.78
18	2	113.50	-652.39	23.59	-0.41	-2073.35	-5.54	-3.87
18	3	77.00	-509.89	5.68	-0.06	-1729.72	-1.75	3.36
18	3	95.25	-507.93	5.68	-0.06	-1729.72	-1.55	0.42
18	3	113.50	-474.32	23.93	-0.31	-1611.58	-4.89	-2.64
18	4	77.00	-700.18	-0.74	0.16	-2163.97	-3.93	4.09
18	4	95.25	-697.92	-0.74	0.16	-2163.97	-3.66	-0.87
18	4	113.50	-664.43	23.77	-0.41	-2103.17	-5.47	-3.89
18	5	77.00	-498.59	5.62	-0.05	-1693.86	-1.72	3.44
18	5	95.25	-496.66	5.62	-0.05	-1693.86	-1.51	0.38
18	5	113.50	-462.86	23.51	-0.33	-1577.79	-4.89	-2.49
18	6	77.00	-688.88	-0.79	0.17	-2128.11	-3.90	4.17
18	6	95.25	-686.65	-0.79	0.17	-2128.11	-3.62	-0.92
18	6	113.50	-652.97	23.35	-0.43	-2069.38	-5.47	-3.74
18	7	77.00	-510.64	5.40	-0.03	-1723.63	-1.87	3.44
18	7	95.25	-508.68	5.40	-0.03	-1723.63	-1.66	0.28
18	7	113.50	-474.90	23.69	-0.33	-1607.62	-4.82	-2.52
18	8	77.00	-700.93	-1.02	0.19	-2157.88	-4.05	4.17
18	8	95.25	-698.67	-1.02	0.19	-2157.88	-3.77	-1.02
18	8	113.50	-665.01	23.53	-0.43	-2099.21	-5.39	-3.77
18	9	77.00	-527.96	5.34	-0.02	-1774.37	-1.98	3.35
18	9	95.25	-525.95	5.34	-0.02	-1774.37	-1.78	0.28
18	9	113.50	-492.38	24.20	-0.31	-1656.32	-4.78	-2.68
18	10	77.00	-718.25	-1.08	0.19	-2208.62	-4.16	4.08
18	10	95.25	-715.94	-1.08	0.19	-2208.62	-3.89	-1.02
18	10	113.50	-682.49	24.04	-0.42	-2147.92	-5.35	-3.93
18	11	77.00	-540.01	5.11	-3.19e-03	-1804.14	-2.13	3.35
18	11	95.25	-537.97	5.11	-3.19e-03	-1804.14	-1.93	0.19
18	11	113.50	-504.42	24.38	-0.31	-1686.15	-4.70	-2.70
18	12	77.00	-730.30	-1.30	0.21	-2238.39	-4.31	4.08
18	12	95.25	-727.96	-1.30	0.21	-2238.39	-4.04	-1.11
18	12	113.50	-694.53	24.22	-0.42	-2177.75	-5.28	-3.96
18	13	77.00	-528.70	5.06	5.43e-03	-1768.28	-2.10	3.43
18	13	95.25	-526.70	5.06	5.43e-03	-1768.28	-1.89	0.14
18	13	113.50	-492.96	23.96	-0.33	-1652.36	-4.70	-2.56
18	14	77.00	-718.99	-1.36	0.22	-2202.53	-4.28	4.16
18	14	95.25	-716.69	-1.36	0.22	-2202.53	-4.00	-1.16
18	14	113.50	-683.07	23.80	-0.43	-2143.95	-5.28	-3.81
18	15	77.00	-540.75	4.83	0.03	-1798.05	-2.25	3.43
18	15	95.25	-538.71	4.83	0.03	-1798.05	-2.04	0.05

18	15	113.50	-505.01	24.14	-0.33	-1682.19	-4.63	-2.58
18	16	77.00	-731.04	-1.58	0.24	-2232.29	-4.43	4.16
18	16	95.25	-728.70	-1.58	0.24	-2232.29	-4.15	-1.25
18	16	113.50	-695.12	23.98	-0.43	-2173.78	-5.20	-3.84
...								
18	203	113.50	-479.69	18.43	-0.30	-1533.07	-3.96	-2.68
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-731.29	-37.94	-23.67	-3022.46	-243.01	-193.28
			-328.95	48.75	26.30	18.57	238.02	208.59

Macro	Tipo	Angolo 1-Z (gradi)
19	**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
19	1	77.00	-760.86	-8.22	0.12	-1159.27	-5.28	1.90
19	1	95.25	-755.49	-8.22	0.12	-1159.27	-5.38	-0.65
19	1	113.50	-754.13	-32.21	0.10	-1388.13	-3.45	-1.95
19	2	77.00	-1016.12	-1.51	0.37	-1537.01	-8.66	1.91
19	2	95.25	-1009.59	-1.51	0.37	-1537.01	-8.82	-1.71
19	2	113.50	-1009.68	-34.04	0.39	-1723.59	-2.52	-2.43
19	3	77.00	-777.15	-7.96	0.14	-1182.24	-5.44	1.89
19	3	95.25	-771.69	-7.96	0.14	-1182.24	-5.55	-0.70
19	3	113.50	-770.43	-32.50	0.12	-1411.13	-3.31	-1.95
19	4	77.00	-1032.41	-1.26	0.39	-1559.99	-8.82	1.89
19	4	95.25	-1025.79	-1.26	0.39	-1559.99	-8.98	-1.77
19	4	113.50	-1025.97	-34.32	0.41	-1746.59	-2.38	-2.43
19	5	77.00	-760.35	-8.37	0.16	-1156.86	-5.63	1.93
19	5	95.25	-754.99	-8.37	0.16	-1156.86	-5.74	-0.77
19	5	113.50	-753.77	-32.39	0.15	-1385.87	-3.13	-1.97
19	6	77.00	-1015.61	-1.67	0.41	-1534.60	-9.01	1.94
19	6	95.25	-1009.09	-1.67	0.41	-1534.60	-9.18	-1.84
19	6	113.50	-1009.31	-34.21	0.43	-1721.33	-2.20	-2.45
19	7	77.00	-776.64	-8.11	0.17	-1179.83	-5.80	1.92
19	7	95.25	-771.19	-8.11	0.17	-1179.83	-5.91	-0.83
19	7	113.50	-770.07	-32.68	0.17	-1408.88	-2.99	-1.97
19	8	77.00	-1031.89	-1.41	0.42	-1557.58	-9.18	1.92
19	8	95.25	-1025.29	-1.41	0.42	-1557.58	-9.35	-1.89
19	8	113.50	-1025.61	-34.50	0.45	-1744.34	-2.07	-2.44
19	9	77.00	-801.58	-7.57	0.16	-1216.71	-5.69	1.86
19	9	95.25	-795.99	-7.57	0.16	-1216.71	-5.79	-0.78
19	9	113.50	-794.88	-32.92	0.15	-1445.64	-3.10	-1.95
19	10	77.00	-1056.84	-0.87	0.41	-1594.45	-9.07	1.87
19	10	95.25	-1050.09	-0.87	0.41	-1594.45	-9.23	-1.85
19	10	113.50	-1050.42	-34.75	0.44	-1781.10	-2.18	-2.42
19	11	77.00	-817.87	-7.31	0.18	-1239.68	-5.85	1.85
19	11	95.25	-812.19	-7.31	0.18	-1239.68	-5.96	-0.84
19	11	113.50	-811.18	-33.21	0.17	-1468.65	-2.96	-1.95
19	12	77.00	-1073.12	-0.61	0.43	-1617.43	-9.23	1.85
19	12	95.25	-1066.30	-0.61	0.43	-1617.43	-9.40	-1.90
19	12	113.50	-1066.72	-35.03	0.46	-1804.11	-2.04	-2.42
19	13	77.00	-801.07	-7.72	0.20	-1214.30	-6.04	1.89
19	13	95.25	-795.49	-7.72	0.20	-1214.30	-6.16	-0.91
19	13	113.50	-794.51	-33.10	0.20	-1443.39	-2.78	-1.97
19	14	77.00	-1056.32	-1.02	0.45	-1592.04	-9.42	1.90
19	14	95.25	-1049.59	-1.02	0.45	-1592.04	-9.59	-1.97
19	14	113.50	-1050.06	-34.93	0.48	-1778.85	-1.86	-2.44
19	15	77.00	-817.35	-7.47	0.22	-1237.27	-6.21	1.88
19	15	95.25	-811.69	-7.47	0.22	-1237.27	-6.32	-0.96
19	15	113.50	-810.81	-33.39	0.22	-1466.39	-2.65	-1.96
19	16	77.00	-1072.61	-0.76	0.47	-1615.02	-9.59	1.88
19	16	95.25	-1065.79	-0.76	0.47	-1615.02	-9.76	-2.03
19	16	113.50	-1066.35	-35.21	0.50	-1801.85	-1.72	-2.44
...								
19	203	113.50	-746.67	-26.35	0.29	-1288.78	-1.78	-1.76
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1073.30	-58.49	-35.59	-2436.38	-286.59	-79.87
			-487.97	38.74	32.20	84.38	277.25	91.19

Macro	Tipo	Angolo 1-Z (gradi)
20	**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
20	1	77.00	-753.19	-12.47	-0.57	-1134.11	22.27	-10.31
20	1	95.25	-747.93	-12.47	-0.57	-1134.11	22.27	-3.37
20	1	113.50	-749.22	-36.17	-4.00e-03	-1383.61	16.47	4.68
20	2	77.00	-1000.40	-6.89	-0.12	-1499.21	24.59	-10.28
20	2	95.25	-994.06	-6.89	-0.12	-1499.21	24.78	-5.45
20	2	113.50	-997.46	-38.81	0.67	-1709.78	27.80	3.92
20	3	77.00	-768.89	-12.21	-0.54	-1156.36	22.20	-10.21
20	3	95.25	-763.56	-12.21	-0.54	-1156.36	22.21	-3.42
20	3	113.50	-764.93	-36.43	0.03	-1405.85	16.90	4.56
20	4	77.00	-1016.11	-6.63	-0.10	-1521.46	24.52	-10.17
20	4	95.25	-1009.68	-6.63	-0.10	-1521.46	24.73	-5.50
20	4	113.50	-1013.17	-39.07	0.70	-1732.02	28.24	3.80

20	5	77.00	-753.32	-12.56	-0.54	-1134.20	21.91	-10.21
20	5	95.25	-748.07	-12.56	-0.54	-1134.20	21.90	-3.55
20	5	113.50	-749.43	-36.27	0.05	-1384.03	16.77	4.66
20	6	77.00	-1000.54	-6.98	-0.09	-1499.30	24.23	-10.18
20	6	95.25	-994.19	-6.98	-0.09	-1499.30	24.41	-5.64
20	6	113.50	-997.67	-38.91	0.72	-1710.20	28.11	3.90
20	7	77.00	-769.03	-12.30	-0.52	-1156.45	21.84	-10.11
20	7	95.25	-763.69	-12.30	-0.52	-1156.45	21.84	-3.61
20	7	113.50	-765.14	-36.54	0.08	-1406.27	17.21	4.55
20	8	77.00	-1016.25	-6.72	-0.07	-1521.55	24.16	-10.07
20	8	95.25	-1009.82	-6.72	-0.07	-1521.55	24.35	-5.69
20	8	113.50	-1013.38	-39.17	0.75	-1732.44	28.55	3.78
20	9	77.00	-792.46	-11.82	-0.51	-1189.72	22.09	-10.05
20	9	95.25	-787.00	-11.82	-0.51	-1189.72	22.13	-3.50
20	9	113.50	-788.49	-36.83	0.09	-1439.22	17.56	4.38
20	10	77.00	-1039.67	-6.24	-0.06	-1554.82	24.42	-10.01
20	10	95.25	-1033.12	-6.24	-0.06	-1554.82	24.64	-5.58
20	10	113.50	-1036.74	-39.46	0.76	-1765.39	28.90	3.62
20	11	77.00	-808.17	-11.56	-0.48	-1211.97	22.02	-9.95
20	11	95.25	-802.63	-11.56	-0.48	-1211.97	22.07	-3.55
20	11	113.50	-804.21	-37.09	0.13	-1461.46	18.00	4.26
20	12	77.00	-1055.38	-5.99	-0.03	-1577.07	24.35	-9.91
20	12	95.25	-1048.75	-5.99	-0.03	-1577.07	24.58	-5.64
20	12	113.50	-1052.45	-39.73	0.80	-1787.63	29.33	3.50
20	13	77.00	-792.60	-11.92	-0.48	-1189.82	21.73	-9.95
20	13	95.25	-787.13	-11.92	-0.48	-1189.82	21.75	-3.69
20	13	113.50	-788.70	-36.93	0.14	-1439.63	17.86	4.37
20	14	77.00	-1039.81	-6.34	-0.03	-1554.92	24.06	-9.91
20	14	95.25	-1033.26	-6.34	-0.03	-1554.92	24.27	-5.77
20	14	113.50	-1036.95	-39.57	0.81	-1765.80	29.20	3.61
20	15	77.00	-808.30	-11.66	-0.45	-1212.06	21.66	-9.84
20	15	95.25	-802.76	-11.66	-0.45	-1212.06	21.70	-3.74
20	15	113.50	-804.42	-37.19	0.18	-1461.87	18.30	4.25
20	16	77.00	-1055.52	-6.08	-6.07e-03	-1577.16	23.99	-9.81
20	16	95.25	-1048.89	-6.08	-6.07e-03	-1577.16	24.21	-5.82
20	16	113.50	-1052.66	-39.83	0.85	-1788.04	29.64	3.49
...								
20	203	113.50	-738.12	-29.76	0.44	-1279.95	19.65	2.97
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1084.67	-94.92	-40.59	-2645.72	-306.80	-115.60
			-342.61	60.83	39.57	504.75	343.85	110.86

Macro	Tipo	Angolo 1-Z (gradi)
21	**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
21	1	77.00	-519.89	27.92	8.46	-2578.10	-121.36	117.55
21	1	95.25	-526.66	27.92	8.46	-2578.10	-117.80	-12.07
21	1	113.50	-502.16	-11.49	9.83	-2475.40	43.76	-44.40
21	2	77.00	-678.17	39.27	10.67	-3407.80	-154.79	127.96
21	2	95.25	-687.51	39.27	10.67	-3407.80	-150.93	-14.09
21	2	113.50	-657.19	-15.39	13.24	-3240.35	57.21	-51.93
21	3	77.00	-530.13	28.38	8.45	-2627.87	-121.18	117.77
21	3	95.25	-537.04	28.38	8.45	-2627.87	-117.59	-12.10
21	3	113.50	-512.39	-11.92	9.89	-2524.97	44.30	-44.67
21	4	77.00	-688.41	39.74	10.65	-3457.58	-154.61	128.18
21	4	95.25	-697.89	39.74	10.65	-3457.58	-150.72	-14.12
21	4	113.50	-667.41	-15.82	13.30	-3289.92	57.75	-52.19
21	5	77.00	-521.04	28.15	8.50	-2585.49	-121.60	117.61
21	5	95.25	-527.82	28.15	8.50	-2585.49	-118.05	-12.17
21	5	113.50	-502.97	-11.14	9.84	-2481.81	43.91	-44.46
21	6	77.00	-679.32	39.50	10.70	-3415.20	-155.04	128.02
21	6	95.25	-688.66	39.50	10.70	-3415.20	-151.18	-14.19
21	6	113.50	-658.00	-15.04	13.25	-3246.76	57.36	-51.98
21	7	77.00	-531.28	28.61	8.48	-2635.27	-121.42	117.83
21	7	95.25	-538.20	28.61	8.48	-2635.27	-117.83	-12.20
21	7	113.50	-513.19	-11.57	9.90	-2531.38	44.45	-44.72
21	8	77.00	-689.56	39.97	10.69	-3464.98	-154.85	128.24
21	8	95.25	-699.05	39.97	10.69	-3464.98	-150.97	-14.22
21	8	113.50	-668.22	-15.47	13.31	-3296.33	57.90	-52.25
21	9	77.00	-545.49	29.09	8.42	-2702.53	-120.91	118.11
21	9	95.25	-552.62	29.09	8.42	-2702.53	-117.27	-12.15
21	9	113.50	-527.72	-12.56	9.98	-2599.32	45.11	-45.06
21	10	77.00	-703.77	40.44	10.63	-3532.24	-154.34	128.52
21	10	95.25	-713.46	40.44	10.63	-3532.24	-150.40	-14.17
21	10	113.50	-682.75	-16.45	13.39	-3364.27	58.56	-52.58
21	11	77.00	-555.73	29.55	8.40	-2752.30	-120.72	118.34
21	11	95.25	-563.00	29.55	8.40	-2752.30	-117.06	-12.18
21	11	113.50	-537.95	-12.98	10.04	-2648.89	45.65	-45.32
21	12	77.00	-714.01	40.91	10.61	-3582.01	-154.16	128.74
21	12	95.25	-723.85	40.91	10.61	-3582.01	-150.19	-14.20
21	12	113.50	-692.97	-16.88	13.45	-3413.84	59.10	-52.85
21	13	77.00	-546.64	29.32	8.45	-2709.93	-121.15	118.17
21	13	95.25	-553.77	29.32	8.45	-2709.93	-117.52	-12.25
21	13	113.50	-528.53	-12.21	9.99	-2605.73	45.26	-45.12
21	14	77.00	-704.92	40.67	10.66	-3539.64	-154.58	128.58
21	14	95.25	-714.62	40.67	10.66	-3539.64	-150.65	-14.27
21	14	113.50	-683.56	-16.10	13.41	-3370.68	58.71	-52.64
21	15	77.00	-556.88	29.78	8.44	-2759.70	-120.96	118.39
21	15	95.25	-564.16	29.78	8.44	-2759.70	-117.31	-12.28
21	15	113.50	-538.75	-12.63	10.06	-2655.30	45.80	-45.38
21	16	77.00	-715.16	41.14	10.64	-3589.41	-154.40	128.80

21	16	95.25	-725.00	41.14	10.64	-3589.41	-150.44	-14.30
21	16	113.50	-693.78	-16.53	13.47	-3420.25	59.25	-52.91
...								
21	203	113.50	-488.35	-11.58	9.50	-2407.12	41.90	-38.68
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-925.67	-94.57	-17.62	-4905.61	-343.01	-116.54
			-126.95	117.20	40.53	-282.34	273.60	175.60

Macro	Tipo	Angolo 1-Z (gradi)
24	**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
24	1	115.50	-161.89	-17.24	-3.92	198.93	-4.30	57.99
24	1	133.75	-167.32	-17.24	-3.92	198.93	-3.92	10.63
24	1	152.00	-149.48	24.48	2.94	134.74	-16.11	-40.74
24	2	115.50	-222.38	-23.49	-8.87	393.50	33.32	59.86
24	2	133.75	-229.95	-23.49	-8.87	393.50	33.67	20.26
24	2	152.00	-210.32	31.61	3.57	274.17	-22.61	-49.80
24	3	115.50	-166.84	-17.72	-4.13	209.19	-3.98	59.48
24	3	133.75	-172.41	-17.72	-4.13	209.19	-3.58	11.11
24	3	152.00	-154.44	25.03	3.10	144.78	-16.26	-42.06
24	4	115.50	-227.34	-23.97	-9.07	403.76	33.64	61.35
24	4	133.75	-235.05	-23.97	-9.07	403.77	34.01	20.74
24	4	152.00	-215.27	32.17	3.74	284.20	-22.76	-51.12
24	5	115.50	-160.68	-17.09	-3.88	191.20	-4.67	57.66
24	5	133.75	-166.12	-17.09	-3.88	191.20	-4.29	10.60
24	5	152.00	-148.55	24.64	2.93	129.55	-16.14	-40.64
24	6	115.50	-221.18	-23.34	-8.83	385.77	32.96	59.53
24	6	133.75	-228.76	-23.34	-8.83	385.77	33.30	20.23
24	6	152.00	-209.39	31.77	3.57	268.97	-22.64	-49.70
24	7	115.50	-165.64	-17.58	-4.09	201.46	-4.35	59.15
24	7	133.75	-171.21	-17.58	-4.09	201.46	-3.95	11.08
24	7	152.00	-153.51	25.19	3.10	139.58	-16.30	-41.97
24	8	115.50	-226.13	-23.83	-9.03	396.03	33.28	61.02
24	8	133.75	-233.85	-23.83	-9.03	396.03	33.65	20.71
24	8	152.00	-214.35	32.32	3.73	279.01	-22.79	-51.03
24	9	115.50	-174.28	-18.44	-4.44	224.59	-3.51	61.72
24	9	133.75	-180.05	-18.44	-4.44	224.59	-3.07	11.83
24	9	152.00	-161.88	25.86	3.35	159.83	-16.49	-44.05
24	10	115.50	-234.77	-24.69	-9.38	419.16	34.12	63.58
24	10	133.75	-242.69	-24.69	-9.38	419.16	34.53	21.46
24	10	152.00	-222.71	32.99	3.98	299.26	-22.99	-53.11
24	11	115.50	-179.23	-18.92	-4.64	234.85	-3.19	63.20
24	11	133.75	-185.14	-18.92	-4.64	234.85	-2.72	12.31
24	11	152.00	-166.83	26.41	3.51	169.87	-16.65	-45.37
24	12	115.50	-239.73	-25.17	-9.59	429.42	34.44	65.07
24	12	133.75	-247.78	-25.17	-9.59	429.42	34.87	21.94
24	12	152.00	-227.67	33.54	4.14	309.30	-23.14	-54.43
24	13	115.50	-173.07	-18.30	-4.39	216.85	-3.87	61.39
24	13	133.75	-178.85	-18.30	-4.39	216.85	-3.43	11.80
24	13	152.00	-160.95	26.02	3.34	154.64	-16.53	-43.95
24	14	115.50	-233.57	-24.55	-9.34	411.43	33.76	63.25
24	14	133.75	-241.49	-24.55	-9.34	411.43	34.16	21.43
24	14	152.00	-221.78	33.15	3.97	294.06	-23.02	-53.01
24	15	115.50	-178.03	-18.78	-4.60	227.12	-3.55	62.87
24	15	133.75	-183.94	-18.78	-4.60	227.12	-3.09	12.28
24	15	152.00	-165.90	26.57	3.50	164.67	-16.68	-45.28
24	16	115.50	-238.52	-25.03	-9.55	421.69	34.08	64.74
24	16	133.75	-246.58	-25.03	-9.55	421.69	34.50	21.91
24	16	152.00	-226.74	33.70	4.14	304.10	-23.18	-54.34
...								
24	203	152.00	-156.33	23.72	2.90	194.74	-16.16	-38.60
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-328.50	-102.78	-22.97	-370.61	-106.44	-242.72
			-72.72	122.96	6.97	1404.14	152.98	336.88

Macro	Tipo	Angolo 1-Z (gradi)
25	**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
25	1	115.50	-400.99	3.59	-0.66	-1324.70	-8.74	14.94
25	1	133.75	-399.25	3.59	-0.66	-1324.70	-8.46	7.52
25	1	152.00	-364.10	17.39	0.49	-1207.90	-12.12	-12.15
25	2	115.50	-548.32	-3.90	-1.19	-1653.47	-11.29	23.47
25	2	133.75	-546.48	-3.90	-1.19	-1653.47	-10.82	13.46
25	2	152.00	-511.53	14.19	0.33	-1594.85	-22.57	-18.75
25	3	115.50	-412.58	3.38	-0.71	-1353.68	-8.70	15.32
25	3	133.75	-410.83	3.38	-0.71	-1353.68	-8.41	7.83
25	3	152.00	-375.70	17.55	0.49	-1236.91	-12.69	-12.48
25	4	115.50	-559.92	-4.11	-1.24	-1682.45	-11.25	23.84
25	4	133.75	-558.05	-4.11	-1.24	-1682.45	-10.78	13.77
25	4	152.00	-523.13	14.34	0.33	-1623.86	-23.14	-19.09
25	5	115.50	-400.89	3.63	-0.68	-1326.14	-8.88	14.88
25	5	133.75	-399.17	3.63	-0.68	-1326.14	-8.61	7.48

25	5	152.00	-364.01	17.43	0.54	-1209.16	-11.95	-12.29
25	6	115.50	-548.23	-3.86	-1.21	-1654.90	-11.43	23.41
25	6	133.75	-546.39	-3.86	-1.21	-1654.90	-10.97	13.43
25	6	152.00	-511.44	14.22	0.38	-1596.12	-22.40	-18.89
25	7	115.50	-412.49	3.42	-0.73	-1355.11	-8.84	15.26
25	7	133.75	-410.74	3.42	-0.73	-1355.11	-8.56	7.79
25	7	152.00	-375.61	17.58	0.54	-1238.17	-12.52	-12.62
25	8	115.50	-559.82	-4.07	-1.26	-1683.88	-11.39	23.79
25	8	133.75	-557.97	-4.07	-1.26	-1683.88	-10.92	13.74
25	8	152.00	-523.04	14.38	0.38	-1625.12	-22.97	-19.22
25	9	115.50	-429.98	3.06	-0.79	-1397.15	-8.65	15.88
25	9	133.75	-428.18	3.06	-0.79	-1397.15	-8.34	8.30
25	9	152.00	-393.11	17.78	0.48	-1280.42	-13.55	-12.98
25	10	115.50	-577.31	-4.42	-1.32	-1725.92	-11.20	24.41
25	10	133.75	-575.41	-4.42	-1.32	-1725.92	-10.71	14.24
25	10	152.00	-540.53	14.58	0.32	-1667.37	-24.00	-19.58
25	11	115.50	-441.58	2.86	-0.84	-1426.13	-8.61	16.26
25	11	133.75	-439.76	2.86	-0.84	-1426.13	-8.30	8.61
25	11	152.00	-404.71	17.94	0.48	-1309.43	-14.12	-13.31
25	12	115.50	-588.91	-4.63	-1.37	-1754.90	-11.16	24.79
25	12	133.75	-586.99	-4.63	-1.37	-1754.90	-10.66	14.55
25	12	152.00	-552.13	14.73	0.32	-1696.38	-24.57	-19.92
25	13	115.50	-429.89	3.11	-0.81	-1398.58	-8.79	15.83
25	13	133.75	-428.10	3.11	-0.81	-1398.58	-8.49	8.26
25	13	152.00	-393.02	17.82	0.53	-1281.68	-13.38	-13.12
25	14	115.50	-577.22	-4.38	-1.33	-1727.35	-11.34	24.35
25	14	133.75	-575.33	-4.38	-1.33	-1727.35	-10.86	14.20
25	14	152.00	-540.44	14.61	0.37	-1668.63	-23.83	-19.72
25	15	115.50	-441.49	2.90	-0.86	-1427.56	-8.75	16.20
25	15	133.75	-439.67	2.90	-0.86	-1427.56	-8.44	8.57
25	15	152.00	-404.62	17.97	0.52	-1310.69	-13.95	-13.45
25	16	115.50	-588.82	-4.59	-1.38	-1756.33	-11.30	24.73
25	16	133.75	-586.90	-4.59	-1.38	-1756.33	-10.81	14.51
25	16	152.00	-552.05	14.77	0.37	-1697.64	-24.40	-20.05
...								
25	203	152.00	-380.33	11.97	0.30	-1190.16	-15.90	-13.54
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-588.94	-69.01	-26.08	-2410.75	-281.26	-215.01
			-273.24	75.95	24.85	171.53	259.75	236.44

Macro	Tipo	Angolo 1-Z (gradi)
26	**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
26	1	115.50	-404.31	8.40	-0.17	-1348.21	3.99	-2.31
26	1	133.75	-402.43	8.40	-0.17	-1348.21	3.78	3.17
26	1	152.00	-368.46	22.84	0.03	-1227.57	1.12	2.32
26	2	115.50	-556.70	2.48	-0.40	-1686.83	6.40	-2.83
26	2	133.75	-554.60	2.48	-0.40	-1686.83	6.12	5.00
26	2	152.00	-520.62	21.90	0.07	-1624.42	1.17	3.60
26	3	115.50	-416.38	8.17	-0.20	-1378.10	4.18	-2.30
26	3	133.75	-414.47	8.17	-0.20	-1378.10	3.96	3.31
26	3	152.00	-380.51	23.01	0.02	-1257.56	1.01	2.36
26	4	115.50	-568.77	2.24	-0.42	-1716.72	6.59	-2.82
26	4	133.75	-566.64	2.24	-0.42	-1716.72	6.30	5.13
26	4	152.00	-532.67	22.07	0.07	-1654.41	1.06	3.64
26	5	115.50	-404.77	8.30	-0.19	-1345.58	3.98	-2.37
26	5	133.75	-402.88	8.30	-0.19	-1345.58	3.76	3.20
26	5	152.00	-368.81	22.75	0.05	-1225.77	1.15	2.21
26	6	115.50	-557.16	2.37	-0.41	-1684.20	6.39	-2.89
26	6	133.75	-555.05	2.37	-0.41	-1684.20	6.10	5.02
26	6	152.00	-520.97	21.80	0.10	-1622.62	1.20	3.50
26	7	115.50	-416.83	8.06	-0.21	-1375.47	4.17	-2.36
26	7	133.75	-414.92	8.06	-0.21	-1375.47	3.94	3.33
26	7	152.00	-380.86	22.92	0.05	-1255.76	1.04	2.25
26	8	115.50	-569.22	2.14	-0.43	-1714.09	6.58	-2.88
26	8	133.75	-567.09	2.14	-0.43	-1714.09	6.28	5.16
26	8	152.00	-533.02	21.97	0.09	-1652.61	1.09	3.54
26	9	115.50	-434.48	7.81	-0.23	-1422.93	4.46	-2.28
26	9	133.75	-432.52	7.81	-0.23	-1422.93	4.24	3.51
26	9	152.00	-398.60	23.26	0.02	-1302.55	0.84	2.42
26	10	115.50	-586.87	1.89	-0.45	-1761.56	6.87	-2.80
26	10	133.75	-584.70	1.89	-0.45	-1761.56	6.58	5.34
26	10	152.00	-550.76	22.32	0.07	-1699.41	0.89	3.70
26	11	115.50	-446.55	7.57	-0.25	-1452.82	4.64	-2.27
26	11	133.75	-444.56	7.57	-0.25	-1452.82	4.42	3.65
26	11	152.00	-410.66	23.43	0.01	-1332.55	0.73	2.45
26	12	115.50	-598.94	1.65	-0.48	-1791.45	7.05	-2.79
26	12	133.75	-596.73	1.65	-0.48	-1791.45	6.76	5.47
26	12	152.00	-562.82	22.49	0.06	-1729.40	0.78	3.74
26	13	115.50	-434.94	7.70	-0.25	-1420.30	4.45	-2.34
26	13	133.75	-432.97	7.70	-0.25	-1420.30	4.22	3.54
26	13	152.00	-398.95	23.17	0.04	-1300.75	0.88	2.31
26	14	115.50	-587.32	1.78	-0.47	-1758.93	6.86	-2.86
26	14	133.75	-585.15	1.78	-0.47	-1758.93	6.56	5.36
26	14	152.00	-551.11	22.23	0.09	-1697.61	0.93	3.59
26	15	115.50	-447.00	7.47	-0.27	-1450.19	4.64	-2.33
26	15	133.75	-445.01	7.47	-0.27	-1450.19	4.41	3.68
26	15	152.00	-411.01	23.34	0.04	-1330.75	0.77	2.35
26	16	115.50	-599.39	1.54	-0.49	-1788.82	7.04	-2.85
26	16	133.75	-597.18	1.54	-0.49	-1788.82	6.75	5.50
26	16	152.00	-563.17	22.40	0.09	-1727.60	0.82	3.63

...								
26	203	152.00	-387.22	17.35	0.05	-1211.23	0.70	2.50
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-599.54	-34.20	-24.43	-2412.54	-230.91	-201.92
			-280.43	47.24	21.86	-47.07	238.01	199.01

Macro	Tipo	Angolo 1-Z (gradi)
27	**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
27	1	115.50	-405.62	9.14	-0.16	-1365.35	1.31	1.03
27	1	133.75	-403.78	9.14	-0.16	-1365.35	1.29	3.11
27	1	152.00	-369.92	23.52	-0.21	-1240.42	-3.12	-0.82
27	2	115.50	-559.82	3.75	-0.18	-1708.11	1.19	1.51
27	2	133.75	-557.77	3.75	-0.18	-1708.11	1.17	3.79
27	2	152.00	-523.88	23.07	-0.21	-1640.33	-3.74	-1.15
27	3	115.50	-417.85	8.93	-0.16	-1395.54	1.34	1.06
27	3	133.75	-415.97	8.93	-0.16	-1395.54	1.31	3.15
27	3	152.00	-382.12	23.71	-0.21	-1270.76	-3.17	-0.82
27	4	115.50	-572.05	3.54	-0.19	-1738.30	1.22	1.54
27	4	133.75	-569.97	3.54	-0.19	-1738.30	1.19	3.83
27	4	152.00	-536.09	23.26	-0.21	-1670.68	-3.79	-1.15
27	5	115.50	-406.11	8.97	-0.16	-1361.32	1.33	1.01
27	5	133.75	-404.26	8.97	-0.16	-1361.32	1.31	3.13
27	5	152.00	-370.33	23.37	-0.20	-1237.22	-3.13	-0.85
27	6	115.50	-560.31	3.58	-0.19	-1704.09	1.21	1.49
27	6	133.75	-558.26	3.58	-0.19	-1704.09	1.19	3.81
27	6	152.00	-524.29	22.91	-0.21	-1637.13	-3.74	-1.18
27	7	115.50	-418.33	8.76	-0.17	-1391.52	1.36	1.03
27	7	133.75	-416.46	8.76	-0.17	-1391.52	1.33	3.18
27	7	152.00	-382.53	23.56	-0.20	-1267.56	-3.18	-0.85
27	8	115.50	-572.54	3.37	-0.19	-1734.28	1.24	1.51
27	8	133.75	-570.46	3.37	-0.19	-1734.28	1.21	3.86
27	8	152.00	-536.50	23.11	-0.21	-1667.47	-3.80	-1.18
27	9	115.50	-436.19	8.61	-0.17	-1440.84	1.37	1.10
27	9	133.75	-434.27	8.61	-0.17	-1440.84	1.35	3.22
27	9	152.00	-400.43	24.01	-0.21	-1316.28	-3.25	-0.83
27	10	115.50	-590.39	3.22	-0.19	-1783.60	1.25	1.58
27	10	133.75	-588.26	3.22	-0.19	-1783.60	1.23	3.90
27	10	152.00	-554.40	23.55	-0.22	-1716.20	-3.87	-1.16
27	11	115.50	-448.41	8.40	-0.17	-1471.03	1.40	1.13
27	11	133.75	-446.46	8.40	-0.17	-1471.03	1.37	3.27
27	11	152.00	-412.64	24.20	-0.21	-1346.63	-3.30	-0.84
27	12	115.50	-602.62	3.01	-0.20	-1813.80	1.28	1.61
27	12	133.75	-600.46	3.01	-0.20	-1813.80	1.25	3.95
27	12	152.00	-566.60	23.75	-0.22	-1746.54	-3.92	-1.17
27	13	115.50	-436.68	8.44	-0.18	-1436.82	1.39	1.07
27	13	133.75	-434.75	8.44	-0.18	-1436.82	1.37	3.25
27	13	152.00	-400.84	23.85	-0.21	-1313.08	-3.26	-0.86
27	14	115.50	-590.88	3.05	-0.20	-1779.58	1.27	1.55
27	14	133.75	-588.75	3.05	-0.20	-1779.58	1.25	3.93
27	14	152.00	-554.81	23.40	-0.21	-1712.99	-3.87	-1.19
27	15	115.50	-448.90	8.23	-0.18	-1467.01	1.42	1.10
27	15	133.75	-446.95	8.23	-0.18	-1467.01	1.39	3.29
27	15	152.00	-413.05	24.04	-0.21	-1343.43	-3.31	-0.87
27	16	115.50	-603.11	2.84	-0.20	-1809.77	1.30	1.58
27	16	133.75	-600.95	2.84	-0.20	-1809.77	1.27	3.97
27	16	152.00	-567.01	23.59	-0.21	-1743.34	-3.92	-1.20
...								
27	203	152.00	-389.61	18.15	-0.16	-1222.87	-2.83	-0.83
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-603.27	-14.23	-24.22	-2377.61	-235.28	-196.42
			-265.17	35.87	23.62	-262.11	241.69	194.47

Macro	Tipo	Angolo 1-Z (gradi)
28	**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
28	1	115.50	-408.05	9.04	-0.34	-1377.81	3.70	-0.21
28	1	133.75	-406.21	9.04	-0.34	-1377.81	3.69	1.79
28	1	152.00	-372.22	23.51	-0.28	-1253.87	-2.71	0.73
28	2	115.50	-562.26	3.65	-0.32	-1720.57	3.82	-0.69
28	2	133.75	-560.20	3.65	-0.32	-1720.57	3.80	1.11
28	2	152.00	-526.19	23.06	-0.27	-1653.78	-2.10	1.06
28	3	115.50	-420.28	8.83	-0.34	-1408.01	3.67	-0.23
28	3	133.75	-418.40	8.83	-0.34	-1408.01	3.66	1.75
28	3	152.00	-384.43	23.70	-0.28	-1284.21	-2.66	0.73
28	4	115.50	-574.48	3.44	-0.31	-1750.77	3.79	-0.72
28	4	133.75	-572.40	3.44	-0.31	-1750.77	3.78	1.07
28	4	152.00	-538.39	23.25	-0.27	-1684.12	-2.05	1.06
28	5	115.50	-408.54	8.87	-0.34	-1373.79	3.67	-0.18
28	5	133.75	-406.69	8.87	-0.34	-1373.79	3.67	1.77
28	5	152.00	-372.63	23.35	-0.28	-1250.66	-2.71	0.76
28	6	115.50	-562.75	3.48	-0.31	-1716.55	3.79	-0.66

28	6	133.75	-560.69	3.48	-0.31	-1716.55	3.79	1.09
28	6	152.00	-526.60	22.90	-0.28	-1650.58	-2.09	1.09
28	7	115.50	-420.77	8.65	-0.33	-1403.99	3.65	-0.21
28	7	133.75	-418.89	8.65	-0.33	-1403.99	3.64	1.73
28	7	152.00	-384.84	23.55	-0.28	-1281.01	-2.66	0.76
28	8	115.50	-574.97	3.27	-0.31	-1746.75	3.77	-0.69
28	8	133.75	-572.89	3.27	-0.31	-1746.75	3.76	1.04
28	8	152.00	-538.80	23.10	-0.28	-1680.92	-2.04	1.09
28	9	115.50	-438.62	8.51	-0.33	-1453.30	3.64	-0.27
28	9	133.75	-436.70	8.51	-0.33	-1453.30	3.63	1.68
28	9	152.00	-402.74	23.99	-0.27	-1329.73	-2.59	0.74
28	10	115.50	-592.83	3.12	-0.31	-1796.06	3.76	-0.76
28	10	133.75	-590.70	3.12	-0.31	-1796.06	3.74	1.00
28	10	152.00	-556.70	23.54	-0.27	-1729.64	-1.97	1.07
28	11	115.50	-450.85	8.29	-0.33	-1483.50	3.61	-0.30
28	11	133.75	-448.89	8.29	-0.33	-1483.50	3.60	1.63
28	11	152.00	-414.95	24.19	-0.27	-1360.08	-2.53	0.75
28	12	115.50	-605.05	2.90	-0.30	-1826.26	3.73	-0.78
28	12	133.75	-602.89	2.90	-0.30	-1826.26	3.72	0.95
28	12	152.00	-568.91	23.74	-0.27	-1759.99	-1.92	1.08
28	13	115.50	-439.11	8.33	-0.32	-1449.28	3.61	-0.25
28	13	133.75	-437.18	8.33	-0.32	-1449.28	3.61	1.66
28	13	152.00	-403.15	23.84	-0.28	-1326.53	-2.58	0.77
28	14	115.50	-593.32	2.95	-0.30	-1792.04	3.73	-0.73
28	14	133.75	-591.18	2.95	-0.30	-1792.04	3.73	0.97
28	14	152.00	-557.11	23.39	-0.27	-1726.44	-1.96	1.10
28	15	115.50	-451.34	8.12	-0.32	-1479.48	3.59	-0.27
28	15	133.75	-449.38	8.12	-0.32	-1479.48	3.58	1.61
28	15	152.00	-415.36	24.03	-0.28	-1356.88	-2.53	0.78
28	16	115.50	-605.54	2.73	-0.30	-1822.24	3.71	-0.76
28	16	133.75	-603.38	2.73	-0.30	-1822.24	3.70	0.93
28	16	152.00	-569.32	23.58	-0.27	-1756.79	-1.91	1.11
...								
28	203	152.00	-391.38	18.15	-0.21	-1233.21	-1.66	0.76
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-605.71	-14.37	-24.08	-2390.97	-238.82	-184.73
			-266.47	36.01	23.87	-269.74	240.04	201.16

Macro	Tipo	Angolo 1-Z (gradi)
29	**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
29	1	115.50	-411.88	7.10	-0.14	-1389.54	-0.47	2.85
29	1	133.75	-409.99	7.10	-0.14	-1389.54	-0.28	0.48
29	1	152.00	-375.85	21.80	-0.40	-1271.37	-5.29	-2.35
29	2	115.50	-564.26	1.17	0.08	-1728.17	-2.88	3.37
29	2	133.75	-562.16	1.17	0.08	-1728.17	-2.62	-1.34
29	2	152.00	-528.01	20.86	-0.45	-1668.22	-5.34	-3.64
29	3	115.50	-423.94	6.86	-0.12	-1419.43	-0.66	2.83
29	3	133.75	-422.03	6.86	-0.12	-1419.43	-0.46	0.35
29	3	152.00	-387.91	21.97	-0.40	-1301.36	-5.18	-2.39
29	4	115.50	-576.33	0.93	0.10	-1758.06	-3.07	3.36
29	4	133.75	-574.20	0.93	0.10	-1758.06	-2.80	-1.48
29	4	152.00	-540.07	21.03	-0.45	-1698.22	-5.23	-3.67
29	5	115.50	-412.33	6.99	-0.13	-1386.91	-0.46	2.91
29	5	133.75	-410.44	6.99	-0.13	-1386.91	-0.26	0.46
29	5	152.00	-376.20	21.71	-0.43	-1269.57	-5.32	-2.25
29	6	115.50	-564.72	1.07	0.10	-1725.54	-2.87	3.43
29	6	133.75	-562.61	1.07	0.10	-1725.54	-2.60	-1.37
29	6	152.00	-528.36	20.77	-0.47	-1666.42	-5.37	-3.53
29	7	115.50	-424.40	6.75	-0.10	-1416.80	-0.65	2.89
29	7	133.75	-422.48	6.75	-0.10	-1416.80	-0.45	0.32
29	7	152.00	-388.26	21.88	-0.42	-1299.56	-5.21	-2.28
29	8	115.50	-576.78	0.83	0.12	-1755.43	-3.06	3.42
29	8	133.75	-574.65	0.83	0.12	-1755.43	-2.79	-1.50
29	8	152.00	-540.42	20.94	-0.47	-1696.42	-5.26	-3.57
29	9	115.50	-442.04	6.50	-0.08	-1464.27	-0.94	2.82
29	9	133.75	-440.08	6.50	-0.08	-1464.27	-0.74	0.14
29	9	152.00	-406.00	22.23	-0.39	-1346.36	-5.01	-2.45
29	10	115.50	-594.43	0.58	0.14	-1802.89	-3.35	3.34
29	10	133.75	-592.26	0.58	0.14	-1802.89	-3.08	-1.68
29	10	152.00	-558.15	21.29	-0.44	-1743.21	-5.06	-3.73
29	11	115.50	-454.11	6.27	-0.06	-1494.16	-1.12	2.80
29	11	133.75	-452.12	6.27	-0.06	-1494.16	-0.93	5.02e-03
29	11	152.00	-418.05	22.40	-0.39	-1376.35	-4.90	-2.49
29	12	115.50	-606.50	0.34	0.16	-1832.78	-3.53	3.33
29	12	133.75	-604.29	0.34	0.16	-1832.78	-3.27	-1.82
29	12	152.00	-570.21	21.46	-0.44	-1773.20	-4.95	-3.77
29	13	115.50	-442.50	6.40	-0.07	-1461.64	-0.93	2.88
29	13	133.75	-440.53	6.40	-0.07	-1461.64	-0.72	0.12
29	13	152.00	-406.35	22.13	-0.42	-1344.56	-5.05	-2.34
29	14	115.50	-594.89	0.47	0.15	-1800.26	-3.34	3.40
29	14	133.75	-592.71	0.47	0.15	-1800.26	-3.06	-1.71
29	14	152.00	-558.51	21.19	-0.47	-1741.41	-5.10	-3.63
29	15	115.50	-454.56	6.16	-0.04	-1491.53	-1.11	2.86
29	15	133.75	-452.57	6.16	-0.04	-1491.53	-0.91	-0.02
29	15	152.00	-418.40	22.30	-0.42	-1374.55	-4.94	-2.38
29	16	115.50	-606.95	0.24	0.18	-1830.15	-3.52	3.39
29	16	133.75	-604.74	0.24	0.18	-1830.15	-3.25	-1.84
29	16	152.00	-570.56	21.36	-0.46	-1771.41	-4.99	-3.66
...								
29	203	152.00	-392.91	16.55	-0.34	-1244.93	-3.90	-2.52

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-607.10	-35.43	-22.24	-2452.71	-236.23	-197.04
	-285.71	46.63	24.09	-69.46	231.23	205.61

Macro	Tipo	Angolo 1-Z (gradi)
30	**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
30	1	115.50	-408.36	2.40	0.66	-1377.90	9.83	-14.88
30	1	133.75	-406.65	2.40	0.66	-1377.90	9.53	-5.95
30	1	152.00	-371.23	16.46	-0.62	-1264.05	11.48	12.88
30	2	115.50	-555.70	-5.09	1.19	-1706.66	12.38	-23.41
30	2	133.75	-553.87	-5.09	1.19	-1706.66	11.90	-11.89
30	2	152.00	-518.66	13.25	-0.46	-1651.00	21.93	19.48
30	3	115.50	-419.96	2.19	0.71	-1406.88	9.80	-15.26
30	3	133.75	-418.22	2.19	0.71	-1406.88	9.49	-6.26
30	3	152.00	-382.83	16.62	-0.61	-1293.05	12.05	13.21
30	4	115.50	-567.29	-5.29	1.24	-1735.64	12.35	-23.79
30	4	133.75	-565.45	-5.29	1.24	-1735.64	11.85	-12.20
30	4	152.00	-530.26	13.41	-0.46	-1680.01	22.50	19.81
30	5	115.50	-408.27	2.44	0.67	-1379.33	9.97	-14.83
30	5	133.75	-406.56	2.44	0.67	-1379.33	9.68	-5.91
30	5	152.00	-371.14	16.49	-0.67	-1265.31	11.31	13.01
30	6	115.50	-555.60	-5.05	1.20	-1708.10	12.53	-23.35
30	6	133.75	-553.79	-5.05	1.20	-1708.10	12.05	-11.86
30	6	152.00	-518.57	13.29	-0.51	-1652.26	21.76	19.62
30	7	115.50	-419.87	2.23	0.73	-1408.31	9.94	-15.20
30	7	133.75	-418.13	2.23	0.73	-1408.31	9.64	-6.22
30	7	152.00	-382.74	16.65	-0.66	-1294.32	11.88	13.35
30	8	115.50	-567.20	-5.25	1.25	-1737.08	12.49	-23.73
30	8	133.75	-565.36	-5.25	1.25	-1737.08	12.00	-12.17
30	8	152.00	-530.17	13.44	-0.50	-1681.27	22.33	19.95
30	9	115.50	-437.36	1.88	0.79	-1450.34	9.74	-15.83
30	9	133.75	-435.58	1.88	0.79	-1450.34	9.42	-6.73
30	9	152.00	-400.24	16.85	-0.61	-1336.56	12.91	13.71
30	10	115.50	-584.69	-5.61	1.31	-1779.11	12.29	-24.36
30	10	133.75	-582.81	-5.61	1.31	-1779.11	11.78	-12.67
30	10	152.00	-547.66	13.64	-0.45	-1723.52	23.36	20.31
30	11	115.50	-448.96	1.67	0.84	-1479.32	9.71	-16.21
30	11	133.75	-447.15	1.67	0.84	-1479.32	9.37	-7.04
30	11	152.00	-411.84	17.01	-0.60	-1365.57	13.48	14.04
30	12	115.50	-596.29	-5.81	1.37	-1808.09	12.26	-24.73
30	12	133.75	-594.38	-5.81	1.37	-1808.09	11.74	-12.98
30	12	152.00	-559.27	13.80	-0.44	-1752.52	23.93	20.64
30	13	115.50	-437.27	1.92	0.80	-1451.78	9.88	-15.77
30	13	133.75	-435.49	1.92	0.80	-1451.78	9.57	-6.69
30	13	152.00	-400.15	16.88	-0.66	-1337.82	12.74	13.84
30	14	115.50	-584.60	-5.57	1.33	-1780.55	12.43	-24.30
30	14	133.75	-582.72	-5.57	1.33	-1780.55	11.93	-12.63
30	14	152.00	-547.57	13.68	-0.50	-1724.78	23.19	20.45
30	15	115.50	-448.87	1.71	0.85	-1480.76	9.85	-16.15
30	15	133.75	-447.06	1.71	0.85	-1480.76	9.52	-7.00
30	15	152.00	-411.75	17.04	-0.65	-1366.83	13.31	14.18
30	16	115.50	-596.20	-5.77	1.38	-1809.53	12.40	-24.67
30	16	133.75	-594.29	-5.77	1.38	-1809.53	11.89	-12.94
30	16	152.00	-559.18	13.83	-0.49	-1753.78	23.76	20.78
...								
30	203	152.00	-385.81	11.25	-0.40	-1233.35	15.40	14.10

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-596.32	-70.38	-24.93	-2463.29	-259.73	-236.07
	-278.38	75.59	26.15	147.77	281.61	217.00

Macro	Tipo	Angolo 1-Z (gradi)
31	**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
31	1	115.50	-160.50	-17.38	3.89	174.41	5.09	-57.47
31	1	133.75	-166.02	-17.38	3.89	174.41	4.72	-9.82
31	1	152.00	-147.72	25.25	-2.80	105.52	17.60	41.24
31	2	115.50	-221.00	-23.63	8.83	368.98	-32.54	-59.33
31	2	133.75	-228.65	-23.63	8.83	368.98	-32.87	-19.45
31	2	152.00	-208.56	32.38	-3.44	244.94	24.10	50.30
31	3	115.50	-165.46	-17.86	4.09	184.67	4.77	-58.95
31	3	133.75	-171.11	-17.86	4.09	184.67	4.38	-10.30
31	3	152.00	-152.68	25.80	-2.97	115.55	17.76	42.57
31	4	115.50	-225.96	-24.11	9.04	379.25	-32.86	-60.82
31	4	133.75	-233.75	-24.11	9.04	379.25	-33.21	-19.93
31	4	152.00	-213.51	32.94	-3.60	254.98	24.25	51.63
31	5	115.50	-159.30	-17.23	3.85	166.68	5.45	-57.13
31	5	133.75	-164.82	-17.23	3.85	166.68	5.09	-9.78
31	5	152.00	-146.79	25.41	-2.80	100.32	17.63	41.14
31	6	115.50	-219.79	-23.48	8.79	361.25	-32.18	-59.00
31	6	133.75	-227.45	-23.48	8.79	361.25	-32.50	-19.42
31	6	152.00	-207.63	32.54	-3.43	239.75	24.13	50.21

31	7	115.50	-164.25	-17.71	4.05	176.94	5.13	-58.62
31	7	133.75	-169.91	-17.71	4.05	176.94	4.75	-10.26
31	7	152.00	-151.75	25.96	-2.96	110.36	17.79	42.47
31	8	115.50	-224.75	-23.96	9.00	371.52	-32.50	-60.49
31	8	133.75	-232.55	-23.96	9.00	371.52	-32.85	-19.90
31	8	152.00	-212.58	33.09	-3.59	249.78	24.28	51.53
31	9	115.50	-172.89	-18.58	4.40	200.07	4.29	-61.19
31	9	133.75	-178.75	-18.58	4.40	200.07	3.87	-11.02
31	9	152.00	-160.11	26.63	-3.21	130.61	17.99	44.55
31	10	115.50	-233.39	-24.83	9.35	394.64	-33.34	-63.06
31	10	133.75	-241.38	-24.83	9.35	394.64	-33.73	-20.65
31	10	152.00	-220.95	33.76	-3.84	270.03	24.48	53.61
31	11	115.50	-177.85	-19.06	4.61	210.33	3.97	-62.68
31	11	133.75	-183.84	-19.06	4.61	210.33	3.52	-11.50
31	11	152.00	-165.07	27.18	-3.37	140.65	18.14	45.88
31	12	115.50	-238.34	-25.31	9.55	404.91	-33.66	-64.54
31	12	133.75	-246.48	-25.31	9.55	404.91	-34.07	-21.13
31	12	152.00	-225.90	34.31	-4.01	280.07	24.64	54.94
31	13	115.50	-171.69	-18.44	4.36	192.34	4.65	-60.86
31	13	133.75	-177.55	-18.44	4.36	192.34	4.23	-10.98
31	13	152.00	-159.18	26.79	-3.20	125.41	18.02	44.46
31	14	115.50	-232.18	-24.69	9.30	386.91	-32.97	-62.73
31	14	133.75	-240.19	-24.69	9.30	386.91	-33.36	-20.62
31	14	152.00	-220.02	33.92	-3.84	264.84	24.52	53.52
31	15	115.50	-176.64	-18.92	4.56	202.60	4.33	-62.35
31	15	133.75	-182.64	-18.92	4.56	202.60	3.89	-11.46
31	15	152.00	-164.14	27.34	-3.37	135.45	18.17	45.78
31	16	115.50	-237.14	-25.17	9.51	397.18	-33.29	-64.21
31	16	133.75	-245.28	-25.17	9.51	397.18	-33.70	-21.10
31	16	152.00	-224.98	34.47	-4.00	274.87	24.67	54.84
...								
31	203	152.00	-154.97	24.32	-2.80	172.26	17.30	38.99
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-328.39	-103.60	-7.19	-409.93	-153.16	-337.26
			-71.82	124.29	23.20	1392.34	108.51	243.55

Macro	Tipo	Angolo 1-Z (gradi)
32	**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
32	1	115.50	-745.47	-2.76	-4.31	192.65	-325.35	7.12
32	1	133.75	-755.68	-2.76	-4.31	150.50	-324.39	7.49
32	1	152.00	-737.00	-2.77	23.11	160.32	-153.56	7.97
32	2	115.50	-1106.23	-2.76	-13.08	192.65	-372.17	7.12
32	2	133.75	-1124.35	-2.76	-13.08	150.50	-371.00	7.49
32	2	152.00	-1102.03	-2.77	27.80	160.32	-237.40	7.97
32	3	115.50	-774.93	-2.76	-4.75	192.65	-330.97	7.12
32	3	133.75	-785.57	-2.76	-4.75	150.50	-329.98	7.49
32	3	152.00	-766.66	-2.77	23.54	160.32	-159.21	7.97
32	4	115.50	-1135.69	-2.76	-13.52	192.65	-377.78	7.12
32	4	133.75	-1154.24	-2.76	-13.52	150.50	-376.59	7.49
32	4	152.00	-1131.69	-2.77	28.24	160.32	-243.05	7.97
32	5	115.50	-746.47	-2.76	-4.32	192.65	-325.30	7.12
32	5	133.75	-756.30	-2.76	-4.32	150.50	-324.34	7.49
32	5	152.00	-737.46	-2.77	23.10	160.32	-153.65	7.97
32	6	115.50	-1107.23	-2.76	-13.09	192.65	-372.12	7.12
32	6	133.75	-1124.98	-2.76	-13.09	150.50	-370.95	7.49
32	6	152.00	-1102.49	-2.77	27.79	160.32	-237.48	7.97
32	7	115.50	-775.93	-2.76	-4.76	192.65	-330.92	7.12
32	7	133.75	-786.19	-2.76	-4.76	150.50	-329.94	7.49
32	7	152.00	-767.12	-2.77	23.54	160.32	-159.29	7.97
32	8	115.50	-1136.69	-2.76	-13.53	192.65	-377.73	7.12
32	8	133.75	-1154.86	-2.76	-13.53	150.50	-376.55	7.49
32	8	152.00	-1132.15	-2.77	28.23	160.32	-243.13	7.97
32	9	115.50	-819.13	-2.76	-5.41	192.65	-339.39	7.12
32	9	133.75	-830.40	-2.76	-5.41	150.50	-338.38	7.49
32	9	152.00	-811.14	-2.77	24.19	160.32	-167.68	7.97
32	10	115.50	-1179.89	-2.76	-14.18	192.65	-386.21	7.12
32	10	133.75	-1199.08	-2.76	-14.18	150.50	-384.99	7.49
32	10	152.00	-1176.17	-2.77	28.89	160.32	-251.52	7.97
32	11	115.50	-848.59	-2.76	-5.85	192.65	-345.00	7.12
32	11	133.75	-860.29	-2.76	-5.85	150.50	-343.98	7.49
32	11	152.00	-840.80	-2.77	24.63	160.32	-173.33	7.97
32	12	115.50	-1209.35	-2.76	-14.62	192.65	-391.82	7.12
32	12	133.75	-1228.96	-2.76	-14.62	150.50	-390.59	7.49
32	12	152.00	-1205.83	-2.77	29.32	160.32	-257.17	7.97
32	13	115.50	-820.13	-2.76	-5.41	192.65	-339.34	7.12
32	13	133.75	-831.03	-2.76	-5.41	150.50	-338.33	7.49
32	13	152.00	-811.60	-2.77	24.19	160.32	-167.77	7.97
32	14	115.50	-1180.89	-2.76	-14.19	192.65	-386.16	7.12
32	14	133.75	-1199.70	-2.76	-14.19	150.50	-384.94	7.49
32	14	152.00	-1176.63	-2.77	28.88	160.32	-251.60	7.97
32	15	115.50	-849.59	-2.76	-5.85	192.65	-344.95	7.12
32	15	133.75	-860.92	-2.76	-5.85	150.50	-343.93	7.49
32	15	152.00	-841.26	-2.77	24.62	160.32	-173.42	7.97
32	16	115.50	-1210.36	-2.76	-14.63	192.65	-391.77	7.12
32	16	133.75	-1229.59	-2.76	-14.63	150.50	-390.54	7.49
32	16	152.00	-1206.29	-2.77	29.32	160.32	-257.25	7.97
...								
32	203	152.00	-817.14	-2.13	21.09	123.33	-173.41	6.13
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1737.39	-623.92	-14.63	-4.656e+04	-443.35	-643.08

		78.62	621.00	40.68	4.662e+04	-118.09	658.26

Macro	Tipo	Angolo 1-Z (gradi)
35	**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
35	1	115.50	-416.78	24.71	-9.15	-2064.27	128.63	-115.19
35	1	133.75	-422.31	24.71	-9.15	-2064.27	125.28	14.09
35	1	152.00	-398.47	-7.16	-10.09	-1957.93	-44.09	42.97
35	2	115.50	-545.03	34.97	-11.68	-2749.07	164.98	-124.80
35	2	133.75	-552.70	34.97	-11.68	-2749.07	161.41	16.78
35	2	152.00	-523.28	-9.50	-13.58	-2575.81	-57.90	49.95
35	3	115.50	-426.92	25.19	-9.15	-2113.56	128.57	-115.40
35	3	133.75	-432.59	25.19	-9.15	-2113.56	125.18	14.17
35	3	152.00	-408.58	-7.57	-10.17	-2006.85	-44.77	43.24
35	4	115.50	-555.16	35.46	-11.68	-2798.36	164.92	-125.00
35	4	133.75	-562.97	35.46	-11.68	-2798.36	161.32	16.86
35	4	152.00	-533.38	-9.90	-13.66	-2624.73	-58.58	50.22
35	5	115.50	-417.30	24.81	-9.16	-2067.74	128.68	-115.20
35	5	133.75	-422.83	24.81	-9.16	-2067.74	125.32	14.11
35	5	152.00	-398.83	-7.00	-10.09	-1960.94	-44.11	43.00
35	6	115.50	-545.54	35.08	-11.69	-2752.53	165.03	-124.81
35	6	133.75	-553.22	35.08	-11.69	-2752.53	161.46	16.80
35	6	152.00	-523.63	-9.33	-13.58	-2578.82	-57.92	49.98
35	7	115.50	-427.44	25.29	-9.16	-2117.03	128.61	-115.41
35	7	133.75	-433.11	25.29	-9.16	-2117.03	125.23	14.19
35	7	152.00	-408.94	-7.40	-10.17	-2009.86	-44.78	43.26
35	8	115.50	-555.68	35.56	-11.69	-2801.82	164.97	-125.01
35	8	133.75	-563.49	35.56	-11.69	-2801.82	161.37	16.88
35	8	152.00	-533.74	-9.74	-13.66	-2627.74	-58.59	50.24
35	9	115.50	-442.13	25.91	-9.15	-2187.50	128.48	-115.71
35	9	133.75	-448.00	25.91	-9.15	-2187.50	125.05	14.28
35	9	152.00	-423.74	-8.17	-10.29	-2080.23	-45.79	43.64
35	10	115.50	-570.37	36.18	-11.68	-2872.29	164.83	-125.32
35	10	133.75	-578.39	36.18	-11.68	-2872.29	161.19	16.98
35	10	152.00	-548.54	-10.51	-13.78	-2698.11	-59.60	50.63
35	11	115.50	-452.27	26.39	-9.15	-2236.79	128.42	-115.92
35	11	133.75	-458.28	26.39	-9.15	-2236.79	124.96	14.36
35	11	152.00	-433.84	-8.58	-10.36	-2129.15	-46.46	43.91
35	12	115.50	-580.51	36.66	-11.68	-2921.58	164.77	-125.53
35	12	133.75	-588.67	36.66	-11.68	-2921.58	161.09	17.06
35	12	152.00	-558.65	-10.92	-13.86	-2747.03	-60.27	50.89
35	13	115.50	-442.64	26.01	-9.16	-2190.96	128.52	-115.72
35	13	133.75	-448.52	26.01	-9.16	-2190.96	125.09	14.31
35	13	152.00	-424.10	-8.01	-10.28	-2083.24	-45.80	43.67
35	14	115.50	-570.89	36.28	-11.69	-2875.76	164.87	-125.33
35	14	133.75	-578.91	36.28	-11.69	-2875.76	161.23	17.00
35	14	152.00	-548.90	-10.35	-13.78	-2701.12	-59.61	50.65
35	15	115.50	-452.78	26.49	-9.15	-2240.25	128.46	-115.93
35	15	133.75	-458.80	26.49	-9.15	-2240.25	125.00	14.39
35	15	152.00	-434.20	-8.41	-10.36	-2132.16	-46.47	43.93
35	16	115.50	-581.02	36.76	-11.69	-2925.05	164.81	-125.54
35	16	133.75	-589.19	36.76	-11.69	-2925.05	161.14	17.08
35	16	152.00	-559.01	-10.75	-13.85	-2750.04	-60.28	50.91
...								
35	203	152.00	-392.08	-7.45	-9.77	-1928.11	-42.55	37.29
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-677.23	-74.86	-39.17	-3593.89	-266.77	-163.92
			-182.09	97.07	16.87	-667.06	345.98	115.36

Macro	Tipo	Angolo 1-Z (gradi)
36	**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
36	1	115.50	-594.73	-15.14	-0.09	-849.60	-15.59	11.38
36	1	133.75	-590.35	-15.14	-0.09	-849.60	-15.47	5.57
36	1	152.00	-590.78	-33.87	-0.59	-1101.96	-19.98	-5.26
36	2	115.50	-791.85	-10.49	-0.78	-1144.70	-15.46	11.69
36	2	133.75	-786.66	-10.49	-0.78	-1144.70	-15.48	8.28
36	2	152.00	-789.03	-35.80	-1.46	-1358.13	-32.49	-4.76
36	3	115.50	-610.47	-14.89	-0.13	-871.87	-15.38	11.28
36	3	133.75	-606.01	-14.89	-0.13	-871.87	-15.27	5.67
36	3	152.00	-606.53	-34.15	-0.65	-1124.24	-20.57	-5.14
36	4	115.50	-807.59	-10.24	-0.83	-1166.97	-15.25	11.59
36	4	133.75	-802.32	-10.24	-0.83	-1166.97	-15.28	8.38
36	4	152.00	-804.78	-36.07	-1.52	-1380.41	-33.08	-4.64
36	5	115.50	-594.94	-15.13	-0.10	-850.34	-15.49	11.33
36	5	133.75	-590.56	-15.13	-0.10	-850.34	-15.36	5.65
36	5	152.00	-590.98	-33.87	-0.61	-1102.78	-20.06	-5.25
36	6	115.50	-792.07	-10.48	-0.79	-1145.45	-15.36	11.64
36	6	133.75	-786.87	-10.48	-0.79	-1145.45	-15.38	8.36
36	6	152.00	-789.24	-35.79	-1.48	-1358.94	-32.57	-4.76
36	7	115.50	-610.69	-14.89	-0.14	-872.61	-15.28	11.23
36	7	133.75	-606.22	-14.89	-0.14	-872.61	-15.16	5.75

36	7	152.00	-606.73	-34.14	-0.66	-1125.06	-20.65	-5.14
36	8	115.50	-807.81	-10.23	-0.83	-1167.72	-15.15	11.54
36	8	133.75	-802.53	-10.23	-0.83	-1167.72	-15.18	8.46
36	8	152.00	-804.99	-36.06	-1.53	-1381.22	-33.16	-4.64
36	9	115.50	-634.08	-14.52	-0.20	-905.27	-15.06	11.13
36	9	133.75	-629.49	-14.52	-0.20	-905.27	-14.97	5.82
36	9	152.00	-630.15	-34.55	-0.73	-1157.66	-21.45	-4.96
36	10	115.50	-831.21	-9.87	-0.89	-1200.37	-14.93	11.44
36	10	133.75	-825.80	-9.87	-0.89	-1200.37	-14.98	8.53
36	10	152.00	-828.41	-36.47	-1.60	-1413.83	-33.96	-4.47
36	11	115.50	-649.82	-14.27	-0.24	-927.54	-14.85	11.03
36	11	133.75	-645.15	-14.27	-0.24	-927.54	-14.77	5.92
36	11	152.00	-645.91	-34.82	-0.78	-1179.95	-22.04	-4.84
36	12	115.50	-846.95	-9.62	-0.93	-1222.64	-14.72	11.34
36	12	133.75	-841.46	-9.62	-0.93	-1222.64	-14.78	8.63
36	12	152.00	-844.16	-36.74	-1.66	-1436.11	-34.55	-4.35
36	13	115.50	-634.30	-14.51	-0.20	-906.02	-14.96	11.08
36	13	133.75	-629.71	-14.51	-0.20	-906.02	-14.86	5.90
36	13	152.00	-630.36	-34.54	-0.74	-1158.48	-21.53	-4.96
36	14	115.50	-831.42	-9.86	-0.89	-1201.12	-14.83	11.39
36	14	133.75	-826.02	-9.86	-0.89	-1201.12	-14.88	8.61
36	14	152.00	-828.61	-36.47	-1.62	-1414.65	-34.04	-4.46
36	15	115.50	-650.04	-14.26	-0.24	-928.29	-14.75	10.98
36	15	133.75	-645.37	-14.26	-0.24	-928.29	-14.66	6.00
36	15	152.00	-646.11	-34.82	-0.80	-1180.76	-22.11	-4.84
36	16	115.50	-847.16	-9.61	-0.94	-1223.39	-14.62	11.29
36	16	133.75	-841.68	-9.61	-0.94	-1223.39	-14.68	8.71
36	16	152.00	-844.37	-36.74	-1.67	-1436.93	-34.63	-4.34
...								
36	203	152.00	-589.66	-27.59	-1.03	-1026.19	-23.17	-3.56
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-847.23	-80.33	-39.79	-1796.04	-335.04	-107.24
			-320.54	41.34	38.59	234.64	301.93	117.77

Macro	Tipo	Angolo 1-Z (gradi)
37	**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
37	1	115.50	-604.60	-10.65	-0.77	-879.02	9.90	-1.52
37	1	133.75	-600.06	-10.65	-0.77	-879.02	10.03	2.80
37	1	152.00	-597.68	-29.70	-0.76	-1110.16	-2.54	2.17
37	2	115.50	-808.30	-4.86	-1.11	-1184.00	13.87	-1.49
37	2	133.75	-802.88	-4.86	-1.11	-1184.00	14.05	4.16
37	2	152.00	-801.73	-30.74	-1.12	-1372.75	-4.22	2.73
37	3	115.50	-620.93	-10.40	-0.80	-902.09	10.12	-1.49
37	3	133.75	-616.31	-10.40	-0.80	-902.09	10.25	2.88
37	3	152.00	-614.03	-29.99	-0.79	-1133.27	-2.74	2.17
37	4	115.50	-824.63	-4.61	-1.13	-1207.07	14.09	-1.47
37	4	133.75	-819.13	-4.61	-1.13	-1207.07	14.27	4.24
37	4	152.00	-818.08	-31.03	-1.15	-1395.86	-4.41	2.74
37	5	115.50	-604.37	-10.75	-0.79	-877.24	10.07	-1.56
37	5	133.75	-599.83	-10.75	-0.79	-877.24	10.20	2.86
37	5	152.00	-597.53	-29.81	-0.78	-1108.75	-2.68	2.18
37	6	115.50	-808.07	-4.96	-1.12	-1182.22	14.04	-1.53
37	6	133.75	-802.65	-4.96	-1.12	-1182.22	14.22	4.22
37	6	152.00	-801.57	-30.84	-1.15	-1371.35	-4.36	2.74
37	7	115.50	-620.70	-10.50	-0.81	-900.31	10.29	-1.54
37	7	133.75	-616.08	-10.50	-0.81	-900.31	10.42	2.94
37	7	152.00	-613.87	-30.10	-0.81	-1131.87	-2.87	2.18
37	8	115.50	-824.40	-4.71	-1.15	-1205.29	14.26	-1.51
37	8	133.75	-818.89	-4.71	-1.15	-1205.29	14.45	4.30
37	8	152.00	-817.92	-31.13	-1.17	-1394.46	-4.55	2.74
37	9	115.50	-645.43	-10.02	-0.83	-936.69	10.46	-1.46
37	9	133.75	-640.68	-10.02	-0.83	-936.69	10.58	2.99
37	9	152.00	-638.55	-30.43	-0.83	-1167.94	-3.03	2.18
37	10	115.50	-849.13	-4.23	-1.17	-1241.67	14.42	-1.43
37	10	133.75	-843.49	-4.23	-1.17	-1241.67	14.61	4.35
37	10	152.00	-842.60	-31.47	-1.19	-1430.53	-4.70	2.74
37	11	115.50	-661.76	-9.77	-0.86	-959.76	10.68	-1.44
37	11	133.75	-656.92	-9.77	-0.86	-959.76	10.81	3.07
37	11	152.00	-654.90	-30.72	-0.85	-1191.05	-3.22	2.18
37	12	115.50	-865.46	-3.98	-1.19	-1264.74	14.65	-1.41
37	12	133.75	-859.74	-3.98	-1.19	-1264.74	14.83	4.43
37	12	152.00	-858.95	-31.76	-1.22	-1453.64	-4.90	2.74
37	13	115.50	-645.20	-10.12	-0.85	-934.91	10.62	-1.50
37	13	133.75	-640.44	-10.12	-0.85	-934.91	10.76	3.06
37	13	152.00	-638.39	-30.54	-0.85	-1166.53	-3.17	2.19
37	14	115.50	-848.89	-4.33	-1.18	-1239.89	14.59	-1.48
37	14	133.75	-843.26	-4.33	-1.18	-1239.89	14.78	4.42
37	14	152.00	-842.44	-31.57	-1.21	-1429.13	-4.84	2.75
37	15	115.50	-661.53	-9.87	-0.87	-957.98	10.85	-1.48
37	15	133.75	-656.69	-9.87	-0.87	-957.98	10.98	3.14
37	15	152.00	-654.74	-30.83	-0.88	-1189.65	-3.36	2.19
37	16	115.50	-865.22	-4.08	-1.21	-1262.96	14.81	-1.45
37	16	133.75	-859.51	-4.08	-1.21	-1262.96	15.00	4.50
37	16	152.00	-858.79	-31.86	-1.24	-1452.24	-5.04	2.75
...								
37	203	152.00	-599.04	-23.98	-0.84	-1036.62	-3.27	1.98
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-865.54	-54.49	-33.93	-1805.46	-272.17	-90.17
			-400.00	28.06	34.79	47.21	279.82	86.67

Macro	Tipo	Angolo 1-Z (gradi)
38	**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
38	1	115.50	-609.52	-10.35	-0.53	-891.34	3.02	0.93
38	1	133.75	-604.96	-10.35	-0.53	-891.34	3.06	2.05
38	1	152.00	-602.31	-29.48	-0.55	-1123.26	-5.74	-0.39
38	2	115.50	-815.65	-4.29	-0.63	-1199.80	3.36	1.16
38	2	133.75	-810.18	-4.29	-0.63	-1199.80	3.42	2.54
38	2	152.00	-808.57	-30.30	-0.65	-1388.95	-7.01	-0.44
38	3	115.50	-626.06	-10.09	-0.54	-914.73	3.06	0.94
38	3	133.75	-621.41	-10.09	-0.54	-914.73	3.11	2.07
38	3	152.00	-618.86	-29.77	-0.55	-1146.68	-5.82	-0.39
38	4	115.50	-832.19	-4.03	-0.64	-1223.19	3.41	1.17
38	4	133.75	-826.63	-4.03	-0.64	-1223.19	3.46	2.56
38	4	152.00	-825.12	-30.59	-0.66	-1412.37	-7.09	-0.44
38	5	115.50	-609.03	-10.47	-0.54	-888.76	3.09	0.92
38	5	133.75	-604.47	-10.47	-0.54	-888.76	3.14	2.07
38	5	152.00	-601.91	-29.61	-0.56	-1121.06	-5.81	-0.39
38	6	115.50	-815.15	-4.41	-0.64	-1197.21	3.44	1.15
38	6	133.75	-809.69	-4.41	-0.64	-1197.21	3.49	2.56
38	6	152.00	-808.17	-30.43	-0.66	-1386.75	-7.07	-0.44
38	7	115.50	-625.57	-10.21	-0.55	-912.14	3.13	0.93
38	7	133.75	-620.92	-10.21	-0.55	-912.14	3.18	2.10
38	7	152.00	-618.46	-29.90	-0.56	-1144.48	-5.88	-0.39
38	8	115.50	-831.69	-4.15	-0.64	-1220.60	3.48	1.16
38	8	133.75	-826.14	-4.15	-0.64	-1220.60	3.54	2.59
38	8	152.00	-824.72	-30.72	-0.67	-1410.17	-7.15	-0.43
38	9	115.50	-650.87	-9.69	-0.55	-949.81	3.13	0.95
38	9	133.75	-646.09	-9.69	-0.55	-949.81	3.17	2.11
38	9	152.00	-643.68	-30.20	-0.57	-1181.80	-5.93	-0.38
38	10	115.50	-857.00	-3.64	-0.65	-1258.27	3.47	1.18
38	10	133.75	-851.31	-3.64	-0.65	-1258.27	3.52	2.60
38	10	152.00	-849.94	-31.02	-0.67	-1447.49	-7.20	-0.43
38	11	115.50	-667.41	-9.43	-0.56	-973.20	3.17	0.95
38	11	133.75	-662.54	-9.43	-0.56	-973.20	3.21	2.14
38	11	152.00	-660.23	-30.49	-0.57	-1205.22	-6.00	-0.38
38	12	115.50	-873.54	-3.37	-0.65	-1281.65	3.52	1.19
38	12	133.75	-867.76	-3.37	-0.65	-1281.65	3.57	2.62
38	12	152.00	-866.49	-31.31	-0.68	-1470.91	-7.27	-0.43
38	13	115.50	-650.38	-9.81	-0.56	-947.22	3.20	0.94
38	13	133.75	-645.60	-9.81	-0.56	-947.22	3.25	2.14
38	13	152.00	-643.28	-30.33	-0.58	-1179.60	-5.99	-0.38
38	14	115.50	-856.50	-3.76	-0.65	-1255.68	3.55	1.17
38	14	133.75	-850.82	-3.76	-0.65	-1255.68	3.60	2.62
38	14	152.00	-849.54	-31.15	-0.68	-1445.29	-7.26	-0.43
38	15	115.50	-666.92	-9.55	-0.57	-970.61	3.24	0.95
38	15	133.75	-662.05	-9.55	-0.57	-970.61	3.29	2.16
38	15	152.00	-659.83	-30.61	-0.58	-1203.02	-6.07	-0.38
38	16	115.50	-873.04	-3.49	-0.66	-1279.07	3.59	1.18
38	16	133.75	-867.28	-3.49	-0.66	-1279.07	3.65	2.65
38	16	152.00	-866.09	-31.43	-0.69	-1468.71	-7.33	-0.43
...								
38	203	152.00	-604.06	-23.70	-0.50	-1048.61	-5.26	-0.32
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-873.70	-41.24	-32.62	-1788.45	-262.16	-82.05
			-459.34	19.39	33.33	-122.13	261.18	76.41

Macro	Tipo	Angolo 1-Z (gradi)
39	**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
39	1	115.50	-614.42	-10.35	-0.39	-901.60	4.02	-0.49
39	1	133.75	-609.83	-10.35	-0.39	-901.60	4.01	0.51
39	1	152.00	-607.27	-29.63	-0.39	-1133.69	-2.43	0.41
39	2	115.50	-820.55	-4.29	-0.30	-1210.05	3.68	-0.72
39	2	133.75	-815.06	-4.29	-0.30	-1210.05	3.65	0.02
39	2	152.00	-813.53	-30.45	-0.29	-1399.38	-1.16	0.46
39	3	115.50	-630.96	-10.09	-0.39	-924.99	3.98	-0.49
39	3	133.75	-626.28	-10.09	-0.39	-924.99	3.96	0.49
39	3	152.00	-623.82	-29.92	-0.39	-1157.10	-2.35	0.41
39	4	115.50	-837.09	-4.03	-0.29	-1233.44	3.63	-0.72
39	4	133.75	-831.51	-4.03	-0.29	-1233.44	3.61	-2.52e-03
39	4	152.00	-830.08	-30.74	-0.28	-1422.79	-1.08	0.46
39	5	115.50	-613.93	-10.47	-0.39	-899.01	3.95	-0.48
39	5	133.75	-609.35	-10.47	-0.39	-899.01	3.93	0.49
39	5	152.00	-606.88	-29.76	-0.38	-1131.49	-2.36	0.41
39	6	115.50	-820.06	-4.42	-0.29	-1207.47	3.60	-0.71
39	6	133.75	-814.57	-4.42	-0.29	-1207.47	3.57	-2.23e-03
39	6	152.00	-813.13	-30.58	-0.28	-1397.18	-1.09	0.46
39	7	115.50	-630.47	-10.21	-0.38	-922.40	3.90	-0.48
39	7	133.75	-625.80	-10.21	-0.38	-922.40	3.88	0.46
39	7	152.00	-623.43	-30.04	-0.38	-1154.90	-2.29	0.41
39	8	115.50	-836.59	-4.15	-0.28	-1230.85	3.56	-0.71
39	8	133.75	-831.02	-4.15	-0.28	-1230.86	3.53	-0.03
39	8	152.00	-829.68	-30.86	-0.27	-1420.59	-1.02	0.45

39	9	115.50	-655.77	-9.69	-0.38	-960.07	3.91	-0.50
39	9	133.75	-650.96	-9.69	-0.38	-960.07	3.90	0.45
39	9	152.00	-648.65	-30.35	-0.37	-1192.23	-2.24	0.40
39	10	115.50	-861.90	-3.64	-0.28	-1268.52	3.57	-0.73
39	10	133.75	-856.19	-3.64	-0.28	-1268.52	3.54	-0.04
39	10	152.00	-854.90	-31.17	-0.27	-1457.92	-0.97	0.45
39	11	115.50	-672.31	-9.43	-0.37	-983.45	3.87	-0.51
39	11	133.75	-667.41	-9.43	-0.37	-983.45	3.85	0.42
39	11	152.00	-665.19	-30.63	-0.37	-1215.64	-2.16	0.40
39	12	115.50	-878.44	-3.37	-0.27	-1291.91	3.52	-0.74
39	12	133.75	-872.64	-3.37	-0.27	-1291.91	3.50	-0.07
39	12	152.00	-871.45	-31.45	-0.26	-1481.33	-0.90	0.45
39	13	115.50	-655.28	-9.82	-0.37	-957.48	3.84	-0.49
39	13	133.75	-650.48	-9.82	-0.37	-957.48	3.82	0.42
39	13	152.00	-648.25	-30.47	-0.37	-1190.03	-2.18	0.40
39	14	115.50	-861.40	-3.76	-0.27	-1265.94	3.49	-0.72
39	14	133.75	-855.70	-3.76	-0.27	-1265.94	3.46	-0.07
39	14	152.00	-854.51	-31.29	-0.26	-1455.72	-0.91	0.45
39	15	115.50	-671.82	-9.55	-0.36	-980.87	3.79	-0.50
39	15	133.75	-666.93	-9.55	-0.36	-980.87	3.77	0.40
39	15	152.00	-664.80	-30.76	-0.36	-1213.44	-2.10	0.40
39	16	115.50	-877.94	-3.50	-0.27	-1289.32	3.45	-0.73
39	16	133.75	-872.15	-3.50	-0.27	-1289.32	3.42	-0.09
39	16	152.00	-871.05	-31.58	-0.25	-1479.13	-0.83	0.45
...								
39	203	152.00	-607.88	-23.81	-0.23	-1056.63	-1.03	0.34
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-878.60	-41.38	-34.21	-1799.14	-268.82	-74.59
			-462.70	19.54	31.86	-128.52	268.91	84.49

Macro	Tipo	Angolo 1-Z (gradi)
40	**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
40	1	115.50	-620.07	-11.16	0.08	-910.46	-4.68	1.90
40	1	133.75	-615.46	-11.16	0.08	-910.46	-4.78	-0.81
40	1	152.00	-613.73	-30.66	0.07	-1143.93	-3.52	-2.16
40	2	115.50	-823.77	-5.37	0.41	-1215.44	-8.65	1.87
40	2	133.75	-818.27	-5.37	0.41	-1215.44	-8.81	-2.17
40	2	152.00	-817.78	-31.70	0.43	-1406.52	-1.84	-2.72
40	3	115.50	-636.41	-10.91	0.10	-933.53	-4.91	1.88
40	3	133.75	-631.70	-10.91	0.10	-933.53	-5.01	-0.89
40	3	152.00	-630.08	-30.95	0.09	-1167.04	-3.32	-2.16
40	4	115.50	-840.10	-5.12	0.44	-1238.51	-8.87	1.85
40	4	133.75	-834.52	-5.12	0.44	-1238.51	-9.03	-2.25
40	4	152.00	-834.13	-31.99	0.46	-1429.64	-1.65	-2.72
40	5	115.50	-619.84	-11.26	0.09	-908.68	-4.85	1.94
40	5	133.75	-615.23	-11.26	0.09	-908.68	-4.96	-0.88
40	5	152.00	-613.57	-30.77	0.09	-1142.53	-3.38	-2.16
40	6	115.50	-823.54	-5.47	0.43	-1213.66	-8.82	1.91
40	6	133.75	-818.04	-5.47	0.43	-1213.66	-8.98	-2.24
40	6	152.00	-817.62	-31.80	0.45	-1405.12	-1.71	-2.73
40	7	115.50	-636.17	-11.01	0.12	-931.75	-5.07	1.92
40	7	133.75	-631.47	-11.01	0.12	-931.75	-5.18	-0.96
40	7	152.00	-629.92	-31.06	0.12	-1165.64	-3.19	-2.17
40	8	115.50	-839.87	-5.22	0.45	-1236.73	-9.04	1.89
40	8	133.75	-834.29	-5.22	0.45	-1236.73	-9.20	-2.32
40	8	152.00	-833.97	-32.10	0.48	-1428.23	-1.51	-2.73
40	9	115.50	-660.90	-10.53	0.14	-968.13	-5.24	1.85
40	9	133.75	-656.07	-10.53	0.14	-968.13	-5.34	-1.01
40	9	152.00	-654.60	-31.39	0.13	-1201.71	-3.03	-2.16
40	10	115.50	-864.60	-4.74	0.47	-1273.11	-9.21	1.82
40	10	133.75	-858.89	-4.74	0.47	-1273.11	-9.37	-2.37
40	10	152.00	-858.65	-32.43	0.50	-1464.30	-1.36	-2.72
40	11	115.50	-677.23	-10.28	0.16	-991.20	-5.46	1.83
40	11	133.75	-672.32	-10.28	0.16	-991.20	-5.57	-1.09
40	11	152.00	-670.95	-31.68	0.16	-1224.82	-2.84	-2.17
40	12	115.50	-880.93	-4.49	0.50	-1296.18	-9.43	1.80
40	12	133.75	-875.13	-4.49	0.50	-1296.18	-9.59	-2.45
40	12	152.00	-875.00	-32.72	0.53	-1487.42	-1.16	-2.73
40	13	115.50	-660.67	-10.63	0.15	-966.35	-5.41	1.89
40	13	133.75	-655.84	-10.63	0.15	-966.35	-5.52	-1.08
40	13	152.00	-654.44	-31.50	0.16	-1200.31	-2.90	-2.17
40	14	115.50	-864.36	-4.84	0.49	-1271.33	-9.37	1.86
40	14	133.75	-858.66	-4.84	0.49	-1271.33	-9.54	-2.44
40	14	152.00	-858.49	-32.53	0.52	-1462.90	-1.22	-2.73
40	15	115.50	-677.00	-10.38	0.18	-989.42	-5.63	1.87
40	15	133.75	-672.08	-10.38	0.18	-989.42	-5.74	-1.15
40	15	152.00	-670.79	-31.79	0.18	-1223.42	-2.70	-2.17
40	16	115.50	-880.70	-4.59	0.51	-1294.40	-9.59	1.84
40	16	133.75	-874.90	-4.59	0.51	-1294.40	-9.76	-2.51
40	16	152.00	-874.84	-32.82	0.55	-1486.01	-1.03	-2.73
...								
40	203	152.00	-611.38	-24.72	0.31	-1062.60	-1.40	-1.97
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-881.01	-55.39	-35.49	-1837.64	-285.78	-85.57
			-410.17	27.91	33.55	30.22	277.45	92.15

Macro	Tipo	Angolo 1-Z (gradi)
41	**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
41	1	115.50	-612.89	-15.59	-0.17	-890.37	17.76	-11.04
41	1	133.75	-608.41	-15.59	-0.17	-890.37	17.66	-4.53
41	1	152.00	-609.48	-34.83	0.36	-1144.94	18.22	5.48
41	2	115.50	-810.02	-10.94	0.52	-1185.47	17.63	-11.35
41	2	133.75	-804.72	-10.94	0.52	-1185.47	17.68	-7.24
41	2	152.00	-807.73	-36.75	1.23	-1401.11	30.73	4.98
41	3	115.50	-628.63	-15.34	-0.13	-912.64	17.55	-10.94
41	3	133.75	-624.07	-15.34	-0.13	-912.64	17.46	-4.63
41	3	152.00	-625.23	-35.10	0.41	-1167.22	18.81	5.36
41	4	115.50	-825.76	-10.69	0.57	-1207.74	17.42	-11.25
41	4	133.75	-820.38	-10.69	0.57	-1207.74	17.48	-7.34
41	4	152.00	-823.49	-37.02	1.29	-1423.39	31.32	4.86
41	5	115.50	-613.11	-15.58	-0.16	-891.12	17.66	-10.98
41	5	133.75	-608.62	-15.58	-0.16	-891.12	17.56	-4.61
41	5	152.00	-609.68	-34.82	0.37	-1145.76	18.30	5.47
41	6	115.50	-810.23	-10.93	0.53	-1186.22	17.53	-11.29
41	6	133.75	-804.93	-10.93	0.53	-1186.22	17.57	-7.32
41	6	152.00	-807.94	-36.74	1.25	-1401.92	30.81	4.98
41	7	115.50	-628.85	-15.33	-0.12	-913.39	17.45	-10.88
41	7	133.75	-624.28	-15.33	-0.12	-913.39	17.36	-4.71
41	7	152.00	-625.43	-35.09	0.43	-1168.04	18.88	5.35
41	8	115.50	-825.97	-10.68	0.57	-1208.49	17.32	-11.19
41	8	133.75	-820.59	-10.68	0.57	-1208.49	17.37	-7.41
41	8	152.00	-823.69	-37.01	1.30	-1424.20	31.39	4.86
41	9	115.50	-652.25	-14.97	-0.06	-946.04	17.23	-10.79
41	9	133.75	-647.55	-14.97	-0.06	-946.04	17.16	-4.78
41	9	152.00	-648.86	-35.50	0.50	-1200.64	19.69	5.18
41	10	115.50	-849.37	-10.31	0.63	-1241.15	17.10	-11.10
41	10	133.75	-843.86	-10.31	0.63	-1241.15	17.18	-7.48
41	10	152.00	-847.11	-37.42	1.37	-1456.81	32.20	4.68
41	11	115.50	-667.99	-14.72	-0.02	-968.31	17.02	-10.69
41	11	133.75	-663.21	-14.72	-0.02	-968.31	16.96	-4.87
41	11	152.00	-664.61	-35.77	0.55	-1222.93	20.28	5.06
41	12	115.50	-865.11	-10.06	0.67	-1263.42	16.89	-11.00
41	12	133.75	-859.52	-10.06	0.67	-1263.42	16.98	-7.58
41	12	152.00	-862.86	-37.70	1.42	-1479.09	32.79	4.56
41	13	115.50	-652.46	-14.96	-0.06	-946.79	17.13	-10.74
41	13	133.75	-647.77	-14.96	-0.06	-946.79	17.06	-4.85
41	13	152.00	-649.06	-35.49	0.51	-1201.46	19.76	5.18
41	14	115.50	-849.58	-10.30	0.63	-1241.89	17.01	-11.04
41	14	133.75	-844.08	-10.30	0.63	-1241.89	17.07	-7.56
41	14	152.00	-847.32	-37.42	1.38	-1457.63	32.28	4.68
41	15	115.50	-668.20	-14.71	-0.02	-969.06	16.92	-10.64
41	15	133.75	-663.43	-14.71	-0.02	-969.06	16.86	-4.95
41	15	152.00	-664.81	-35.77	0.57	-1223.74	20.35	5.06
41	16	115.50	-865.33	-10.05	0.68	-1264.16	16.79	-10.94
41	16	133.75	-859.74	-10.05	0.68	-1264.16	16.87	-7.66
41	16	152.00	-863.07	-37.69	1.44	-1479.91	32.86	4.56
...								
41	203	152.00	-604.05	-28.32	0.85	-1059.25	21.81	3.72
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-865.40	-81.40	-38.94	-1837.36	-302.02	-118.40
			-331.45	41.30	39.74	216.10	335.83	109.84

Macro	Tipo	Angolo 1-Z (gradi)
42	**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
42	1	115.50	-427.64	25.15	9.13	-2123.21	-127.98	115.62
42	1	133.75	-433.23	25.15	9.13	-2123.21	-124.62	-13.54
42	1	152.00	-409.21	-7.09	10.04	-2014.48	44.29	-42.72
42	2	115.50	-555.88	35.41	11.66	-2808.01	-164.33	125.23
42	2	133.75	-563.62	35.41	11.66	-2808.01	-160.75	-16.23
42	2	152.00	-534.02	-9.42	13.53	-2632.36	58.10	-49.70
42	3	115.50	-437.78	25.63	9.13	-2172.50	-127.92	115.83
42	3	133.75	-443.51	25.63	9.13	-2172.50	-124.53	-13.62
42	3	152.00	-419.32	-7.49	10.12	-2063.40	44.96	-42.99
42	4	115.50	-566.02	35.90	11.66	-2857.30	-164.27	125.44
42	4	133.75	-573.90	35.90	11.66	-2857.30	-160.66	-16.31
42	4	152.00	-544.13	-9.83	13.61	-2681.28	58.77	-49.97
42	5	115.50	-428.16	25.25	9.14	-2126.68	-128.02	115.63
42	5	133.75	-433.75	25.25	9.14	-2126.68	-124.66	-13.57
42	5	152.00	-409.57	-6.92	10.04	-2017.49	44.30	-42.75
42	6	115.50	-556.40	35.51	11.67	-2811.48	-164.38	125.24
42	6	133.75	-564.14	35.51	11.67	-2811.48	-160.80	-16.26
42	6	152.00	-534.38	-9.26	13.53	-2635.36	58.11	-49.73
42	7	115.50	-438.30	25.73	9.14	-2175.97	-127.96	115.84
42	7	133.75	-444.03	25.73	9.14	-2175.97	-124.57	-13.65
42	7	152.00	-419.68	-7.33	10.11	-2066.41	44.97	-43.01
42	8	115.50	-566.54	36.00	11.67	-2860.76	-164.31	125.45
42	8	133.75	-574.42	36.00	11.67	-2860.76	-160.71	-16.34
42	8	152.00	-544.49	-9.66	13.60	-2684.28	58.78	-49.99
42	9	115.50	-452.99	26.35	9.13	-2246.44	-127.83	116.14
42	9	133.75	-458.93	26.35	9.13	-2246.44	-124.39	-13.74

42	9	152.00	-434.48	-8.10	10.23	-2136.78	45.98	-43.39
42	10	115.50	-581.23	36.62	11.66	-2931.24	-164.18	125.75
42	10	133.75	-589.32	36.62	11.66	-2931.24	-160.53	-16.43
42	10	152.00	-559.29	-10.44	13.72	-2754.66	59.79	-50.38
42	11	115.50	-463.12	26.83	9.13	-2295.73	-127.77	116.35
42	11	133.75	-469.21	26.83	9.13	-2295.73	-124.30	-13.82
42	11	152.00	-444.59	-8.50	10.31	-2185.70	46.65	-43.66
42	12	115.50	-591.36	37.10	11.66	-2980.52	-164.12	125.96
42	12	133.75	-599.59	37.10	11.66	-2980.52	-160.44	-16.51
42	12	152.00	-569.39	-10.84	13.80	-2803.58	60.46	-50.64
42	13	115.50	-453.50	26.45	9.14	-2249.90	-127.87	116.15
42	13	133.75	-459.45	26.45	9.14	-2249.90	-124.44	-13.76
42	13	152.00	-434.84	-7.93	10.23	-2139.79	45.99	-43.42
42	14	115.50	-581.74	36.72	11.67	-2934.70	-164.22	125.76
42	14	133.75	-589.84	36.72	11.67	-2934.70	-160.57	-16.46
42	14	152.00	-559.65	-10.27	13.72	-2757.66	59.80	-50.40
42	15	115.50	-463.64	26.93	9.13	-2299.19	-127.81	116.36
42	15	133.75	-469.73	26.93	9.13	-2299.19	-124.35	-13.84
42	15	152.00	-444.95	-8.34	10.31	-2188.71	46.66	-43.68
42	16	115.50	-591.88	37.20	11.67	-2983.99	-164.16	125.97
42	16	133.75	-600.11	37.20	11.67	-2983.99	-160.48	-16.54
42	16	152.00	-569.75	-10.67	13.80	-2806.58	60.47	-50.66
...								
42	203	152.00	-400.35	-7.39	9.73	-1971.61	42.70	-37.10
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-688.75	-75.43	-17.28	-3658.14	-348.01	-116.17
			-186.96	97.94	39.47	-691.44	269.53	164.44

Macro	Tipo	Angolo 1-Z (gradi)
45	**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
45	1	154.00	-128.59	-12.31	-3.08	175.23	-1.68	48.96
45	1	172.25	-132.84	-12.31	-3.08	175.23	-1.43	10.60
45	1	190.50	-116.34	20.22	1.83	110.91	-16.52	-30.90
45	2	154.00	-173.98	-16.89	-7.52	339.08	36.46	46.67
45	2	172.25	-179.96	-16.89	-7.52	339.08	36.61	20.23
45	2	190.50	-162.07	25.88	1.83	218.86	-23.88	-35.33
45	3	154.00	-133.50	-12.76	-3.30	185.63	-1.24	50.48
45	3	172.25	-137.89	-12.76	-3.30	185.63	-0.97	11.21
45	3	190.50	-121.26	20.79	1.98	120.99	-16.81	-32.20
45	4	154.00	-178.89	-17.34	-7.74	349.49	36.90	48.19
45	4	172.25	-185.01	-17.34	-7.74	349.49	37.07	20.83
45	4	190.50	-166.99	26.45	1.98	228.94	-24.17	-36.63
45	5	154.00	-127.92	-12.24	-3.06	171.03	-1.92	48.76
45	5	172.25	-132.18	-12.24	-3.06	171.03	-1.67	10.54
45	5	190.50	-115.82	20.30	1.83	108.07	-16.50	-30.86
45	6	154.00	-173.32	-16.82	-7.49	334.88	36.23	46.47
45	6	172.25	-179.30	-16.82	-7.49	334.88	36.37	20.16
45	6	190.50	-161.55	25.96	1.83	216.03	-23.87	-35.29
45	7	154.00	-132.84	-12.69	-3.27	181.43	-1.48	50.28
45	7	172.25	-137.23	-12.69	-3.27	181.43	-1.21	11.14
45	7	190.50	-120.74	20.87	1.98	118.15	-16.79	-32.16
45	8	154.00	-178.23	-17.26	-7.71	345.29	36.67	47.99
45	8	172.25	-184.35	-17.26	-7.71	345.29	36.83	20.77
45	8	190.50	-166.47	26.53	1.98	226.10	-24.16	-36.59
45	9	154.00	-140.88	-13.43	-3.63	201.24	-0.59	52.77
45	9	172.25	-145.47	-13.43	-3.63	201.24	-0.28	12.11
45	9	190.50	-128.64	21.64	2.21	136.10	-17.25	-34.15
45	10	154.00	-186.27	-18.01	-8.06	365.09	37.56	50.48
45	10	172.25	-192.59	-18.01	-8.06	365.09	37.76	21.73
45	10	190.50	-174.37	27.30	2.21	244.05	-24.61	-38.59
45	11	154.00	-145.79	-13.88	-3.84	211.64	-0.15	54.30
45	11	172.25	-150.52	-13.88	-3.84	211.64	0.19	12.71
45	11	190.50	-133.57	22.21	2.36	146.18	-17.54	-35.45
45	12	154.00	-191.18	-18.46	-8.28	375.50	37.99	52.00
45	12	172.25	-197.64	-18.46	-8.28	375.50	38.22	22.34
45	12	190.50	-179.29	27.87	2.36	254.13	-24.90	-39.89
45	13	154.00	-140.21	-13.36	-3.60	197.03	-0.82	52.57
45	13	172.25	-144.81	-13.36	-3.60	197.03	-0.51	12.05
45	13	190.50	-128.13	21.72	2.20	133.26	-17.23	-34.11
45	14	154.00	-185.60	-17.93	-8.03	360.89	37.32	50.28
45	14	172.25	-191.93	-17.93	-8.03	360.89	37.53	21.67
45	14	190.50	-173.85	27.38	2.20	241.22	-24.59	-38.55
45	15	154.00	-145.13	-13.80	-3.82	207.44	-0.39	54.10
45	15	172.25	-149.86	-13.80	-3.82	207.44	-0.05	12.65
45	15	190.50	-133.05	22.29	2.36	143.34	-17.52	-35.41
45	16	154.00	-190.52	-18.38	-8.25	371.29	37.76	51.80
45	16	172.25	-196.98	-18.38	-8.25	371.29	37.99	22.28
45	16	190.50	-178.77	27.95	2.36	251.29	-24.88	-39.85
...								
45	203	190.50	-122.87	19.66	1.69	160.61	-17.17	-28.55
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-208.64	-80.96	-15.55	-107.87	-115.00	-209.53
			-88.86	96.73	7.30	780.40	142.93	277.87

Macro	Tipo	Angolo 1-Z (gradi)
46	**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
46	1	154.00	-314.14	4.67	-0.77	-1013.87	-4.99	12.56
46	1	172.25	-312.48	4.67	-0.77	-1013.87	-4.80	8.55
46	1	190.50	-277.41	15.66	0.31	-896.50	-11.64	-9.59
46	2	154.00	-424.83	-2.33	-1.30	-1250.80	-5.83	20.01
46	2	172.25	-423.14	-2.33	-1.30	-1250.80	-5.50	15.00
46	2	190.50	-388.22	11.80	-7.97e-03	-1191.62	-22.10	-15.00
46	3	154.00	-325.80	4.42	-0.83	-1043.04	-4.83	12.94
46	3	172.25	-324.11	4.42	-0.83	-1043.04	-4.64	8.96
46	3	190.50	-289.09	15.78	0.29	-925.74	-12.34	-9.92
46	4	154.00	-436.49	-2.58	-1.36	-1279.98	-5.67	20.40
46	4	172.25	-434.78	-2.58	-1.36	-1279.98	-5.33	15.41
46	4	190.50	-399.89	11.92	-0.02	-1220.86	-22.80	-15.33
46	5	154.00	-314.02	4.71	-0.77	-1015.06	-5.14	12.52
46	5	172.25	-312.36	4.71	-0.77	-1015.06	-4.96	8.47
46	5	190.50	-277.32	15.70	0.34	-897.40	-11.48	-9.68
46	6	154.00	-424.71	-2.29	-1.30	-1251.99	-5.97	19.97
46	6	172.25	-423.02	-2.29	-1.30	-1251.99	-5.65	14.93
46	6	190.50	-388.13	11.84	0.03	-1192.52	-21.94	-15.08
46	7	154.00	-325.68	4.46	-0.84	-1044.24	-4.98	12.90
46	7	172.25	-323.99	4.46	-0.84	-1044.24	-4.79	8.89
46	7	190.50	-288.99	15.81	0.32	-926.64	-12.18	-10.01
46	8	154.00	-436.37	-2.54	-1.37	-1281.17	-5.81	20.36
46	8	172.25	-434.66	-2.54	-1.37	-1281.17	-5.48	15.34
46	8	190.50	-399.80	11.95	9.24e-03	-1221.76	-22.64	-15.41
46	9	154.00	-343.30	4.05	-0.93	-1086.81	-4.59	13.52
46	9	172.25	-341.57	4.05	-0.93	-1086.81	-4.38	9.59
46	9	190.50	-306.60	15.95	0.27	-969.60	-13.39	-10.42
46	10	154.00	-453.99	-2.95	-1.46	-1323.74	-5.43	20.98
46	10	172.25	-452.23	-2.95	-1.46	-1323.74	-5.07	16.04
46	10	190.50	-417.40	12.09	-0.05	-1264.72	-23.85	-15.82
46	11	154.00	-354.96	3.80	-0.99	-1115.98	-4.43	13.91
46	11	172.25	-353.20	3.80	-0.99	-1115.98	-4.21	10.00
46	11	190.50	-318.27	16.07	0.25	-998.83	-14.09	-10.75
46	12	154.00	-465.65	-3.20	-1.52	-1352.91	-5.27	21.37
46	12	172.25	-463.87	-3.20	-1.52	-1352.91	-4.91	16.45
46	12	190.50	-429.07	12.21	-0.07	-1293.96	-24.56	-16.15
46	13	154.00	-343.17	4.09	-0.93	-1088.00	-4.74	13.48
46	13	172.25	-341.44	4.09	-0.93	-1088.00	-4.54	9.51
46	13	190.50	-306.50	15.99	0.30	-970.49	-13.23	-10.50
46	14	154.00	-453.86	-2.91	-1.46	-1324.93	-5.58	20.94
46	14	172.25	-452.11	-2.91	-1.46	-1324.93	-5.23	15.97
46	14	190.50	-417.31	12.13	-0.02	-1265.62	-23.69	-15.91
46	15	154.00	-354.83	3.84	-0.99	-1117.17	-4.58	13.87
46	15	172.25	-353.08	3.84	-0.99	-1117.17	-4.37	9.93
46	15	190.50	-318.18	16.11	0.28	-999.73	-13.93	-10.83
46	16	154.00	-465.52	-3.16	-1.52	-1354.10	-5.42	21.33
46	16	172.25	-463.75	-3.16	-1.52	-1354.10	-5.06	16.38
46	16	190.50	-428.98	12.24	-0.03	-1294.86	-24.40	-16.24
...								
46	203	190.50	-294.24	10.22	0.05	-901.94	-15.78	-10.91
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-465.69	-55.80	-24.54	-1703.83	-255.50	-195.75
			-213.28	63.96	22.44	-82.23	240.26	220.92

Macro	Tipo	Angolo 1-Z (gradi)
47	**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
47	1	154.00	-317.41	9.85	-0.21	-1032.06	4.21	-1.81
47	1	172.25	-315.61	9.85	-0.21	-1032.06	4.00	4.17
47	1	190.50	-281.50	21.19	-0.04	-911.78	0.08	2.13
47	2	154.00	-431.94	4.46	-0.44	-1276.21	6.87	-2.19
47	2	172.25	-430.01	4.46	-0.44	-1276.21	6.58	6.41
47	2	190.50	-395.78	19.52	-0.05	-1214.40	-0.40	3.41
47	3	154.00	-329.51	9.59	-0.23	-1062.14	4.43	-1.79
47	3	172.25	-327.67	9.59	-0.23	-1062.14	4.21	4.35
47	3	190.50	-293.58	21.35	-0.04	-942.06	-0.06	2.18
47	4	154.00	-444.04	4.21	-0.46	-1306.30	7.08	-2.18
47	4	172.25	-442.07	4.21	-0.46	-1306.30	6.80	6.59
47	4	190.50	-407.86	19.67	-0.06	-1244.69	-0.53	3.47
47	5	154.00	-317.67	9.80	-0.22	-1030.82	4.15	-1.85
47	5	172.25	-315.87	9.80	-0.22	-1030.82	3.93	4.15
47	5	190.50	-281.71	21.15	-0.02	-910.90	0.15	2.05
47	6	154.00	-432.20	4.42	-0.44	-1274.98	6.80	-2.24
47	6	172.25	-430.27	4.42	-0.44	-1274.98	6.51	6.38
47	6	190.50	-395.99	19.48	-0.03	-1213.53	-0.32	3.33
47	7	154.00	-329.77	9.55	-0.24	-1060.91	4.36	-1.84
47	7	172.25	-327.93	9.55	-0.24	-1060.91	4.14	4.32
47	7	190.50	-293.79	21.31	-0.02	-941.19	0.02	2.10
47	8	154.00	-444.30	4.17	-0.47	-1305.06	7.02	-2.22
47	8	172.25	-442.33	4.17	-0.47	-1305.06	6.73	6.56
47	8	190.50	-408.07	19.64	-0.04	-1243.81	-0.45	3.39
47	9	154.00	-347.65	9.22	-0.27	-1107.27	4.75	-1.77
47	9	172.25	-345.76	9.22	-0.27	-1107.27	4.53	4.62
47	9	190.50	-311.70	21.58	-0.05	-987.49	-0.26	2.26
47	10	154.00	-462.18	3.83	-0.50	-1351.42	7.40	-2.15
47	10	172.25	-460.17	3.83	-0.50	-1351.42	7.12	6.85

47	10	190.50	-425.98	19.91	-0.07	-1290.11	-0.73	3.55
47	11	154.00	-359.74	8.97	-0.29	-1137.35	4.97	-1.75
47	11	172.25	-357.82	8.97	-0.29	-1137.35	4.74	4.80
47	11	190.50	-323.78	21.74	-0.06	-1017.77	-0.39	2.32
47	12	154.00	-474.27	3.58	-0.52	-1381.51	7.62	-2.13
47	12	172.25	-472.23	3.58	-0.52	-1381.51	7.33	7.03
47	12	190.50	-438.06	20.06	-0.07	-1320.40	-0.86	3.61
47	13	154.00	-347.90	9.17	-0.28	-1106.03	4.69	-1.81
47	13	172.25	-346.02	9.17	-0.28	-1106.03	4.46	4.59
47	13	190.50	-311.90	21.54	-0.03	-986.62	-0.18	2.18
47	14	154.00	-462.43	3.79	-0.51	-1350.19	7.34	-2.19
47	14	172.25	-460.42	3.79	-0.51	-1350.19	7.05	6.83
47	14	190.50	-426.18	19.87	-0.05	-1289.24	-0.65	3.47
47	15	154.00	-360.00	8.92	-0.30	-1136.12	4.90	-1.79
47	15	172.25	-358.08	8.92	-0.30	-1136.12	4.68	4.77
47	15	190.50	-323.98	21.70	-0.04	-1016.90	-0.31	2.24
47	16	154.00	-474.53	3.54	-0.53	-1380.27	7.56	-2.17
47	16	172.25	-472.49	3.54	-0.53	-1380.27	7.26	7.00
47	16	190.50	-438.26	20.02	-0.05	-1319.53	-0.78	3.53
...								
47	203	190.50	-300.12	15.68	-0.04	-918.96	-0.41	2.39
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-474.61	-28.19	-21.67	-1794.82	-216.05	-189.66
			-216.45	41.50	19.58	-102.45	221.66	192.42

Macro	Tipo	Angolo 1-Z (gradi)
48	**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
48	1	154.00	-318.73	10.79	-0.21	-1045.87	2.03	1.03
48	1	172.25	-316.96	10.79	-0.21	-1045.87	1.99	3.84
48	1	190.50	-282.87	22.12	-0.25	-921.66	-3.59	-0.57
48	2	154.00	-434.85	6.02	-0.24	-1293.08	2.04	1.49
48	2	172.25	-432.95	6.02	-0.24	-1293.08	2.00	4.62
48	2	190.50	-398.68	21.02	-0.26	-1226.43	-4.25	-0.83
48	3	154.00	-330.95	10.58	-0.22	-1076.26	2.06	1.05
48	3	172.25	-329.14	10.58	-0.22	-1076.26	2.02	3.90
48	3	190.50	-295.05	22.31	-0.25	-952.31	-3.64	-0.58
48	4	154.00	-447.07	5.81	-0.25	-1323.47	2.06	1.52
48	4	172.25	-445.14	5.81	-0.25	-1323.47	2.02	4.68
48	4	190.50	-410.86	21.21	-0.27	-1257.08	-4.30	-0.83
48	5	154.00	-319.08	10.69	-0.21	-1043.39	2.02	1.00
48	5	172.25	-317.30	10.69	-0.21	-1043.39	1.98	3.84
48	5	190.50	-283.15	22.02	-0.24	-919.73	-3.57	-0.60
48	6	154.00	-435.20	5.92	-0.25	-1290.59	2.03	1.47
48	6	172.25	-433.30	5.92	-0.25	-1290.59	1.99	4.62
48	6	190.50	-398.96	20.92	-0.26	-1224.50	-4.23	-0.86
48	7	154.00	-331.30	10.47	-0.22	-1073.78	2.05	1.03
48	7	172.25	-329.49	10.47	-0.22	-1073.78	2.01	3.89
48	7	190.50	-295.33	22.21	-0.25	-950.38	-3.63	-0.60
48	8	154.00	-447.42	5.70	-0.25	-1320.99	2.06	1.50
48	8	172.25	-445.48	5.70	-0.25	-1320.99	2.02	4.68
48	8	190.50	-411.14	21.11	-0.26	-1255.15	-4.29	-0.86
48	9	154.00	-349.27	10.26	-0.22	-1121.85	2.10	1.10
48	9	172.25	-347.41	10.26	-0.22	-1121.85	2.06	3.98
48	9	190.50	-313.33	22.60	-0.26	-998.28	-3.73	-0.58
48	10	154.00	-465.39	5.49	-0.25	-1369.06	2.11	1.56
48	10	172.25	-463.41	5.49	-0.25	-1369.06	2.07	4.77
48	10	190.50	-429.14	21.50	-0.27	-1303.06	-4.39	-0.84
48	11	154.00	-361.48	10.04	-0.23	-1152.24	2.13	1.12
48	11	172.25	-359.60	10.04	-0.23	-1152.24	2.09	4.04
48	11	190.50	-325.51	22.79	-0.26	-1028.93	-3.78	-0.58
48	12	154.00	-477.61	5.27	-0.26	-1399.45	2.14	1.59
48	12	172.25	-475.59	5.27	-0.26	-1399.45	2.10	4.82
48	12	190.50	-441.32	21.69	-0.27	-1333.71	-4.44	-0.84
48	13	154.00	-349.62	10.15	-0.23	-1119.37	2.09	1.07
48	13	172.25	-347.76	10.15	-0.23	-1119.37	2.05	3.98
48	13	190.50	-313.61	22.50	-0.25	-996.35	-3.71	-0.61
48	14	154.00	-465.74	5.38	-0.26	-1366.58	2.10	1.54
48	14	172.25	-463.76	5.38	-0.26	-1366.58	2.06	4.76
48	14	190.50	-429.42	21.40	-0.26	-1301.12	-4.37	-0.86
48	15	154.00	-361.83	9.94	-0.23	-1149.76	2.12	1.10
48	15	172.25	-359.94	9.94	-0.23	-1149.76	2.08	4.04
48	15	190.50	-325.79	22.69	-0.25	-1027.00	-3.76	-0.61
48	16	154.00	-477.95	5.17	-0.26	-1396.97	2.13	1.57
48	16	172.25	-475.94	5.17	-0.26	-1396.97	2.09	4.82
48	16	190.50	-441.60	21.59	-0.27	-1331.77	-4.42	-0.87
...								
48	203	190.50	-302.21	16.75	-0.20	-927.98	-3.21	-0.59
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-478.07	-12.37	-21.98	-1808.40	-221.64	-188.59
			-212.33	32.29	21.52	-205.34	229.84	188.55

Macro	Tipo	Angolo 1-Z (gradi)
49	**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
49	1	154.00	-320.88	10.82	-0.43	-1058.53	4.72	-0.09
49	1	172.25	-319.10	10.82	-0.43	-1058.53	4.71	2.66
49	1	190.50	-284.80	22.23	-0.41	-935.79	-4.05	0.59
49	2	154.00	-437.00	6.05	-0.40	-1305.73	4.71	-0.56
49	2	172.25	-435.10	6.05	-0.40	-1305.73	4.70	1.88
49	2	190.50	-400.61	21.13	-0.40	-1240.56	-3.39	0.85
49	3	154.00	-333.10	10.61	-0.43	-1088.92	4.69	-0.12
49	3	172.25	-331.28	10.61	-0.43	-1088.92	4.68	2.60
49	3	190.50	-296.98	22.43	-0.41	-966.44	-4.00	0.59
49	4	154.00	-449.22	5.84	-0.40	-1336.13	4.69	-0.58
49	4	172.25	-447.28	5.84	-0.40	-1336.13	4.67	1.82
49	4	190.50	-412.79	21.32	-0.39	-1271.21	-3.34	0.85
49	5	154.00	-321.23	10.71	-0.43	-1056.05	4.73	-0.07
49	5	172.25	-319.44	10.71	-0.43	-1056.05	4.72	2.66
49	5	190.50	-285.08	22.14	-0.42	-933.86	-4.07	0.62
49	6	154.00	-437.35	5.94	-0.40	-1303.25	4.72	-0.53
49	6	172.25	-435.44	5.94	-0.40	-1303.25	4.71	1.88
49	6	190.50	-400.89	21.03	-0.40	-1238.63	-3.41	0.87
49	7	154.00	-333.44	10.50	-0.42	-1086.44	4.70	-0.10
49	7	172.25	-331.63	10.50	-0.42	-1086.44	4.69	2.61
49	7	190.50	-297.26	22.33	-0.41	-964.50	-4.01	0.62
49	8	154.00	-449.56	5.73	-0.39	-1333.64	4.69	-0.56
49	8	172.25	-447.62	5.73	-0.39	-1333.64	4.68	1.82
49	8	190.50	-413.08	21.23	-0.40	-1269.28	-3.35	0.88
49	9	154.00	-351.42	10.28	-0.42	-1134.51	4.65	-0.16
49	9	172.25	-349.56	10.28	-0.42	-1134.51	4.64	2.52
49	9	190.50	-315.26	22.71	-0.40	-1012.41	-3.91	0.60
49	10	154.00	-467.54	5.51	-0.39	-1381.72	4.64	-0.63
49	10	172.25	-465.55	5.51	-0.39	-1381.72	4.63	1.74
49	10	190.50	-431.07	21.61	-0.39	-1317.19	-3.25	0.85
49	11	154.00	-363.63	10.07	-0.42	-1164.90	4.62	-0.19
49	11	172.25	-361.74	10.07	-0.42	-1164.90	4.61	2.46
49	11	190.50	-327.44	22.91	-0.40	-1043.06	-3.86	0.60
49	12	154.00	-479.75	5.30	-0.39	-1412.11	4.61	-0.65
49	12	172.25	-477.74	5.30	-0.39	-1412.11	4.60	1.68
49	12	190.50	-443.25	21.80	-0.39	-1347.84	-3.20	0.86
49	13	154.00	-351.76	10.18	-0.42	-1132.03	4.66	-0.14
49	13	172.25	-349.90	10.18	-0.42	-1132.03	4.64	2.52
49	13	190.50	-315.54	22.62	-0.41	-1010.48	-3.93	0.62
49	14	154.00	-467.88	5.41	-0.39	-1379.23	4.65	-0.60
49	14	172.25	-465.90	5.41	-0.39	-1379.23	4.64	1.74
49	14	190.50	-431.35	21.51	-0.40	-1315.25	-3.27	0.88
49	15	154.00	-363.98	9.96	-0.41	-1162.42	4.63	-0.17
49	15	172.25	-362.08	9.96	-0.41	-1162.42	4.62	2.46
49	15	190.50	-327.72	22.81	-0.41	-1041.13	-3.87	0.63
49	16	154.00	-480.10	5.19	-0.38	-1409.63	4.62	-0.63
49	16	172.25	-478.08	5.19	-0.38	-1409.63	4.61	1.68
49	16	190.50	-443.53	21.71	-0.39	-1345.90	-3.21	0.88
...								
49	203	190.50	-303.69	16.84	-0.31	-938.85	-2.67	0.61
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-480.21	-12.46	-22.12	-1820.87	-226.94	-177.66
			-213.48	32.49	21.52	-213.53	227.78	194.62

Macro	Tipo	Angolo 1-Z (gradi)
50	**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
50	1	154.00	-325.48	7.98	-0.22	-1079.94	0.68	2.43
50	1	172.25	-323.68	7.98	-0.22	-1079.94	0.85	0.72
50	1	190.50	-289.22	19.64	-0.48	-963.34	-5.73	-2.17
50	2	154.00	-440.01	2.60	5.17e-03	-1324.09	-1.98	2.81
50	2	172.25	-438.08	2.60	5.17e-03	-1324.09	-1.73	-1.52
50	2	190.50	-403.50	17.96	-0.47	-1265.97	-5.26	-3.46
50	3	154.00	-337.57	7.73	-0.20	-1110.02	0.46	2.41
50	3	172.25	-335.74	7.73	-0.20	-1110.02	0.64	0.54
50	3	190.50	-301.30	19.79	-0.47	-993.63	-5.60	-2.22
50	4	154.00	-452.10	2.35	0.03	-1354.18	-2.19	2.79
50	4	172.25	-450.14	2.35	0.03	-1354.18	-1.95	-1.70
50	4	190.50	-415.58	18.12	-0.46	-1296.25	-5.12	-3.51
50	5	154.00	-325.74	7.94	-0.22	-1078.70	0.74	2.47
50	5	172.25	-323.94	7.94	-0.22	-1078.70	0.92	0.74
50	5	190.50	-289.43	19.60	-0.50	-962.47	-5.81	-2.09
50	6	154.00	-440.27	2.56	0.01	-1322.86	-1.92	2.85
50	6	172.25	-438.34	2.56	0.01	-1322.86	-1.66	-1.49
50	6	190.50	-403.71	17.93	-0.49	-1265.10	-5.34	-3.38
50	7	154.00	-337.83	7.69	-0.19	-1108.79	0.52	2.45
50	7	172.25	-336.00	7.69	-0.19	-1108.79	0.71	0.57
50	7	190.50	-301.50	19.75	-0.49	-992.75	-5.67	-2.15
50	8	154.00	-452.36	2.31	0.04	-1352.94	-2.13	2.84
50	8	172.25	-450.40	2.31	0.04	-1352.94	-1.88	-1.67
50	8	190.50	-415.78	18.08	-0.48	-1295.38	-5.20	-3.43
50	9	154.00	-355.71	7.35	-0.16	-1155.15	0.14	2.38
50	9	172.25	-353.83	7.35	-0.16	-1155.15	0.32	0.27
50	9	190.50	-319.42	20.03	-0.46	-1039.05	-5.40	-2.31
50	10	154.00	-470.24	1.97	0.07	-1399.30	-2.52	2.77
50	10	172.25	-468.23	1.97	0.07	-1399.30	-2.27	-1.96
50	10	190.50	-433.70	18.35	-0.45	-1341.68	-4.92	-3.59
50	11	154.00	-367.81	7.10	-0.14	-1185.24	-0.08	2.36
50	11	172.25	-365.89	7.10	-0.14	-1185.24	0.11	0.09

50	11	190.50	-331.50	20.18	-0.46	-1069.34	-5.26	-2.36
50	12	154.00	-482.34	1.72	0.09	-1429.39	-2.73	2.75
50	12	172.25	-480.30	1.72	0.09	-1429.39	-2.48	-2.14
50	12	190.50	-445.78	18.51	-0.44	-1371.96	-4.79	-3.65
50	13	154.00	-355.97	7.31	-0.16	-1153.92	0.20	2.43
50	13	172.25	-354.09	7.31	-0.16	-1153.92	0.39	0.30
50	13	190.50	-319.62	19.99	-0.48	-1038.18	-5.47	-2.23
50	14	154.00	-470.50	1.93	0.07	-1398.07	-2.46	2.81
50	14	172.25	-468.49	1.93	0.07	-1398.07	-2.20	-1.94
50	14	190.50	-433.90	18.31	-0.47	-1340.81	-5.00	-3.52
50	15	154.00	-368.07	7.06	-0.13	-1184.00	-0.02	2.41
50	15	172.25	-366.15	7.06	-0.13	-1184.00	0.17	0.12
50	15	190.50	-331.70	20.14	-0.48	-1068.47	-5.34	-2.28
50	16	154.00	-482.60	1.68	0.10	-1428.15	-2.67	2.79
50	16	172.25	-480.55	1.68	0.10	-1428.15	-2.41	-2.11
50	16	190.50	-445.98	18.47	-0.46	-1371.09	-4.87	-3.57
...								
50	203	190.50	-306.05	14.49	-0.36	-958.63	-3.94	-2.43
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-482.68	-29.82	-20.07	-1838.16	-220.35	-189.61
			-222.39	40.46	21.22	-131.71	215.63	194.39

Macro	Tipo	Angolo 1-Z (gradi)
51	**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
51	1	154.00	-321.76	2.96	0.77	-1073.59	6.21	-12.40
51	1	172.25	-320.11	2.96	0.77	-1073.59	6.00	-6.63
51	1	190.50	-284.64	14.24	-0.44	-960.17	10.98	10.55
51	2	154.00	-432.45	-4.04	1.30	-1310.52	7.05	-19.86
51	2	172.25	-430.77	-4.04	1.30	-1310.52	6.69	-13.08
51	2	190.50	-395.45	10.37	-0.13	-1255.29	21.44	15.95
51	3	154.00	-333.42	2.72	0.84	-1102.77	6.05	-12.79
51	3	172.25	-331.74	2.72	0.84	-1102.77	5.83	-7.04
51	3	190.50	-296.32	14.35	-0.43	-989.40	11.68	10.87
51	4	154.00	-444.11	-4.28	1.37	-1339.70	6.89	-20.25
51	4	172.25	-442.41	-4.28	1.37	-1339.70	6.52	-13.49
51	4	190.50	-407.12	10.49	-0.11	-1284.53	22.14	16.28
51	5	154.00	-321.63	3.00	0.77	-1074.78	6.36	-12.36
51	5	172.25	-319.99	3.00	0.77	-1074.78	6.15	-6.55
51	5	190.50	-284.55	14.27	-0.48	-961.06	10.82	10.63
51	6	154.00	-432.32	-4.00	1.30	-1311.72	7.20	-19.82
51	6	172.25	-430.65	-4.00	1.30	-1311.72	6.85	-13.01
51	6	190.50	-395.35	10.41	-0.16	-1256.19	21.28	16.04
51	7	154.00	-333.29	2.75	0.84	-1103.96	6.20	-12.75
51	7	172.25	-331.62	2.75	0.84	-1103.96	5.99	-6.97
51	7	190.50	-296.22	14.39	-0.46	-990.30	11.52	10.96
51	8	154.00	-443.98	-4.25	1.37	-1340.89	7.04	-20.21
51	8	172.25	-442.29	-4.25	1.37	-1340.89	6.68	-13.42
51	8	190.50	-407.03	10.53	-0.14	-1285.43	21.98	16.36
51	9	154.00	-350.91	2.34	0.93	-1146.53	5.81	-13.37
51	9	172.25	-349.20	2.34	0.93	-1146.53	5.58	-7.67
51	9	190.50	-313.83	14.53	-0.40	-1033.26	12.73	11.37
51	10	154.00	-461.60	-4.66	1.46	-1383.46	6.65	-20.83
51	10	172.25	-459.86	-4.66	1.46	-1383.46	6.27	-14.12
51	10	190.50	-424.63	10.67	-0.08	-1328.39	23.19	16.77
51	11	154.00	-362.57	2.10	0.99	-1175.70	5.65	-13.76
51	11	172.25	-360.83	2.10	0.99	-1175.70	5.41	-8.08
51	11	190.50	-325.50	14.64	-0.38	-1062.50	13.43	11.70
51	12	154.00	-473.26	-4.91	1.52	-1412.63	6.49	-21.22
51	12	172.25	-471.50	-4.91	1.52	-1412.63	6.10	-14.53
51	12	190.50	-436.30	10.78	-0.07	-1357.62	23.89	17.10
51	13	154.00	-350.78	2.38	0.93	-1147.72	5.96	-13.33
51	13	172.25	-349.08	2.38	0.93	-1147.72	5.73	-7.59
51	13	190.50	-313.73	14.56	-0.43	-1034.16	12.57	11.45
51	14	154.00	-461.47	-4.62	1.46	-1384.65	6.80	-20.79
51	14	172.25	-459.74	-4.62	1.46	-1384.65	6.42	-14.05
51	14	190.50	-424.54	10.70	-0.12	-1329.28	23.03	16.86
51	15	154.00	-362.44	2.13	0.99	-1176.89	5.80	-13.72
51	15	172.25	-360.71	2.13	0.99	-1176.89	5.56	-8.01
51	15	190.50	-325.40	14.68	-0.42	-1063.40	13.27	11.78
51	16	154.00	-473.14	-4.87	1.52	-1413.82	6.64	-21.18
51	16	172.25	-471.38	-4.87	1.52	-1413.82	6.26	-14.46
51	16	190.50	-436.21	10.82	-0.10	-1358.52	23.73	17.19
...								
51	203	190.50	-299.81	9.12	-0.15	-950.91	15.27	11.64
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-473.30	-57.49	-22.52	-1761.36	-240.23	-220.40
			-218.84	63.14	24.61	-114.82	255.93	198.12

Macro	Tipo	Angolo 1-Z (gradi)
52	**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

52	1	154.00	-126.28	-12.19	3.05	146.92	2.32	-48.15
52	1	172.25	-130.59	-12.19	3.05	146.92	2.08	-9.75
52	1	190.50	-113.62	21.18	-1.62	76.83	18.60	31.44
52	2	154.00	-171.67	-16.76	7.49	310.78	-35.83	-45.86
52	2	172.25	-177.72	-16.76	7.49	310.78	-35.96	-19.37
52	2	190.50	-159.35	26.84	-1.62	184.78	25.96	35.87
52	3	154.00	-131.19	-12.63	3.27	157.32	1.88	-49.68
52	3	172.25	-135.65	-12.63	3.27	157.32	1.62	-10.35
52	3	190.50	-118.54	21.75	-1.77	86.90	18.89	32.74
52	4	154.00	-176.58	-17.21	7.71	321.18	-36.26	-47.39
52	4	172.25	-182.77	-17.21	7.71	321.18	-36.42	-19.98
52	4	190.50	-164.27	27.41	-1.77	194.86	26.25	37.18
52	5	154.00	-125.61	-12.11	3.03	142.72	2.55	-47.95
52	5	172.25	-129.94	-12.11	3.03	142.72	2.32	-9.69
52	5	190.50	-113.10	21.26	-1.62	73.99	18.58	31.40
52	6	154.00	-171.00	-16.69	7.46	306.57	-35.59	-45.66
52	6	172.25	-177.06	-16.69	7.46	306.57	-35.72	-19.31
52	6	190.50	-158.83	26.92	-1.62	181.94	25.95	35.84
52	7	154.00	-130.53	-12.56	3.24	153.12	2.12	-49.48
52	7	172.25	-134.99	-12.56	3.24	153.12	1.86	-10.29
52	7	190.50	-118.02	21.83	-1.77	84.07	18.87	32.70
52	8	154.00	-175.92	-17.13	7.68	316.98	-36.03	-47.18
52	8	172.25	-182.11	-17.13	7.68	316.98	-36.18	-19.92
52	8	190.50	-163.75	27.49	-1.77	192.02	26.24	37.14
52	9	154.00	-138.56	-13.30	3.60	172.93	1.23	-51.97
52	9	172.25	-143.22	-13.30	3.60	172.93	0.93	-11.26
52	9	190.50	-125.92	22.60	-2.00	102.02	19.33	34.69
52	10	154.00	-183.95	-17.88	8.03	336.78	-36.92	-49.67
52	10	172.25	-190.34	-17.88	8.03	336.78	-37.11	-20.88
52	10	190.50	-171.65	28.26	-2.00	209.97	26.69	39.13
52	11	154.00	-143.48	-13.75	3.81	183.33	0.79	-53.49
52	11	172.25	-148.27	-13.75	3.81	183.33	0.47	-11.86
52	11	190.50	-130.85	23.17	-2.15	112.10	19.62	35.99
52	12	154.00	-188.87	-18.33	8.25	347.19	-37.36	-51.20
52	12	172.25	-195.40	-18.33	8.25	347.19	-37.57	-21.49
52	12	190.50	-176.57	28.83	-2.15	220.05	26.98	40.43
52	13	154.00	-137.90	-13.23	3.57	168.73	1.46	-51.77
52	13	172.25	-142.56	-13.23	3.57	168.73	1.16	-11.20
52	13	190.50	-125.41	22.68	-2.00	99.18	19.31	34.65
52	14	154.00	-183.29	-17.80	8.00	332.58	-36.68	-49.47
52	14	172.25	-189.68	-17.80	8.00	332.58	-36.87	-20.82
52	14	190.50	-171.13	28.34	-2.00	207.14	26.67	39.09
52	15	154.00	-142.82	-13.67	3.79	179.13	1.02	-53.29
52	15	172.25	-147.62	-13.67	3.79	179.13	0.70	-11.80
52	15	190.50	-130.33	23.25	-2.15	109.26	19.60	35.95
52	16	154.00	-188.21	-18.25	8.22	342.99	-37.12	-51.00
52	16	172.25	-194.74	-18.25	8.22	342.99	-37.34	-21.42
52	16	190.50	-176.05	28.91	-2.15	217.21	26.96	40.39
...								
52	203	190.50	-120.77	20.40	-1.53	134.39	18.77	28.96
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-207.65	-81.37	-7.22	-145.01	-144.06	-277.99
			-86.77	98.22	15.62	764.23	117.80	210.31

Macro	Tipo	Angolo 1-Z (gradi)
53	**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
53	1	154.00	-587.72	-3.57	0.16	315.64	-273.55	9.34
53	1	172.25	-597.31	-3.57	0.16	254.96	-272.61	9.84
53	1	190.50	-580.08	-3.59	18.59	269.69	-102.20	10.37
53	2	154.00	-855.97	-3.57	-7.25	315.64	-302.56	9.34
53	2	172.25	-873.19	-3.57	-7.25	254.96	-301.40	9.84
53	2	190.50	-853.16	-3.59	21.91	269.69	-168.31	10.37
53	3	154.00	-617.10	-3.57	-0.29	315.64	-279.18	9.34
53	3	172.25	-627.18	-3.57	-0.29	254.96	-278.21	9.84
53	3	190.50	-609.72	-3.59	19.02	269.69	-107.90	10.37
53	4	154.00	-885.35	-3.57	-7.70	315.64	-308.19	9.34
53	4	172.25	-903.06	-3.57	-7.70	254.96	-307.00	9.84
53	4	190.50	-882.80	-3.59	22.34	269.69	-174.02	10.37
53	5	154.00	-588.27	-3.57	0.15	315.64	-273.55	9.34
53	5	172.25	-597.61	-3.57	0.15	254.96	-272.60	9.84
53	5	190.50	-580.29	-3.59	18.59	269.69	-102.25	10.37
53	6	154.00	-856.52	-3.57	-7.26	315.64	-302.56	9.34
53	6	172.25	-873.49	-3.57	-7.26	254.96	-301.39	9.84
53	6	190.50	-853.37	-3.59	21.90	269.69	-168.36	10.37
53	7	154.00	-617.65	-3.57	-0.29	315.64	-279.17	9.34
53	7	172.25	-627.48	-3.57	-0.29	254.96	-278.21	9.84
53	7	190.50	-609.93	-3.59	19.02	269.69	-107.95	10.37
53	8	154.00	-885.90	-3.57	-7.70	315.64	-308.18	9.34
53	8	172.25	-903.36	-3.57	-7.70	254.96	-307.00	9.84
53	8	190.50	-883.01	-3.59	22.34	269.69	-174.07	10.37
53	9	154.00	-661.16	-3.57	-0.95	315.64	-287.61	9.34
53	9	172.25	-671.99	-3.57	-0.95	254.96	-286.61	9.84
53	9	190.50	-654.17	-3.59	19.67	269.69	-116.46	10.37
53	10	154.00	-929.41	-3.57	-8.36	315.64	-316.62	9.34
53	10	172.25	-947.87	-3.57	-8.36	254.96	-315.40	9.84
53	10	190.50	-927.25	-3.59	22.99	269.69	-182.58	10.37
53	11	154.00	-690.54	-3.57	-1.39	315.64	-293.23	9.34
53	11	172.25	-701.86	-3.57	-1.39	254.96	-292.21	9.84
53	11	190.50	-683.81	-3.59	20.10	269.69	-122.17	10.37
53	12	154.00	-958.78	-3.57	-8.80	315.64	-322.24	9.34

53	12	172.25	-977.74	-3.57	-8.80	254.96	-321.00	9.84
53	12	190.50	-956.89	-3.59	23.42	269.69	-188.28	10.37
53	13	154.00	-661.71	-3.57	-0.95	315.64	-287.60	9.34
53	13	172.25	-672.28	-3.57	-0.95	254.96	-286.61	9.84
53	13	190.50	-654.39	-3.59	19.67	269.69	-116.51	10.37
53	14	154.00	-929.96	-3.57	-8.36	315.64	-316.61	9.34
53	14	172.25	-948.16	-3.57	-8.36	254.96	-315.40	9.84
53	14	190.50	-927.46	-3.59	22.99	269.69	-182.63	10.37
53	15	154.00	-691.08	-3.57	-1.40	315.64	-293.23	9.34
53	15	172.25	-702.15	-3.57	-1.40	254.96	-292.21	9.84
53	15	190.50	-684.02	-3.59	20.10	269.69	-122.22	10.37
53	16	154.00	-959.33	-3.57	-8.81	315.64	-322.24	9.34
53	16	172.25	-978.03	-3.57	-8.81	254.96	-321.00	9.84
53	16	190.50	-957.10	-3.59	23.42	269.69	-188.33	10.37
...								
53	203	190.50	-647.26	-2.76	16.87	207.46	-124.54	7.97
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1271.59	-488.90	-8.84	-2.805e+04	-352.87	-645.45
			-49.63	484.85	30.75	2.836e+04	-78.59	664.55

Macro	Tipo	Angolo 1-Z (gradi)
56	**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
56	1	154.00	-322.88	21.47	-9.63	-1599.40	133.68	-113.12
56	1	172.25	-327.22	21.47	-9.63	-1599.40	130.52	15.22
56	1	190.50	-304.27	-3.25	-10.14	-1490.32	-43.23	41.29
56	2	154.00	-420.42	30.50	-12.39	-2135.70	172.14	-121.95
56	2	172.25	-426.48	30.50	-12.39	-2135.70	168.86	18.36
56	2	190.50	-398.29	-4.13	-13.61	-1958.62	-56.70	47.65
56	3	154.00	-332.84	21.97	-9.65	-1647.86	133.77	-113.31
56	3	172.25	-337.32	21.97	-9.65	-1647.86	130.58	15.36
56	3	190.50	-314.18	-3.63	-10.23	-1538.17	-44.08	41.56
56	4	154.00	-430.39	31.00	-12.41	-2184.15	172.23	-122.14
56	4	172.25	-436.58	31.00	-12.41	-2184.15	168.92	18.49
56	4	190.50	-408.20	-4.51	-13.71	-2006.47	-57.55	47.92
56	5	154.00	-323.11	21.52	-9.62	-1601.03	133.64	-113.13
56	5	172.25	-327.45	21.52	-9.62	-1601.03	130.49	15.21
56	5	190.50	-304.42	-3.17	-10.13	-1491.76	-43.18	41.29
56	6	154.00	-420.66	30.55	-12.39	-2137.33	172.11	-121.95
56	6	172.25	-426.72	30.55	-12.39	-2137.33	168.82	18.35
56	6	190.50	-398.45	-4.05	-13.61	-1960.07	-56.65	47.66
56	7	154.00	-333.08	22.02	-9.64	-1649.48	133.73	-113.31
56	7	172.25	-337.56	22.02	-9.64	-1649.48	130.54	15.35
56	7	190.50	-314.33	-3.54	-10.23	-1539.61	-44.04	41.56
56	8	154.00	-430.62	31.05	-12.41	-2185.78	172.19	-122.14
56	8	172.25	-436.82	31.05	-12.41	-2185.78	168.88	18.48
56	8	190.50	-408.36	-4.42	-13.70	-2007.92	-57.50	47.93
56	9	154.00	-347.78	22.73	-9.67	-1720.54	133.90	-113.59
56	9	172.25	-352.47	22.73	-9.67	-1720.54	130.67	15.57
56	9	190.50	-329.04	-4.18	-10.38	-1609.94	-45.37	41.97
56	10	154.00	-445.33	31.76	-12.44	-2256.83	172.36	-122.42
56	10	172.25	-451.74	31.76	-12.44	-2256.83	169.01	18.70
56	10	190.50	-423.07	-5.06	-13.86	-2078.25	-58.84	48.33
56	11	154.00	-357.75	23.23	-9.69	-1768.99	133.99	-113.78
56	11	172.25	-362.57	23.23	-9.69	-1768.99	130.73	15.70
56	11	190.50	-338.95	-4.55	-10.48	-1657.79	-46.22	42.24
56	12	154.00	-455.29	32.26	-12.46	-2305.29	172.45	-122.61
56	12	172.25	-461.84	32.26	-12.46	-2305.29	169.07	18.84
56	12	190.50	-432.98	-5.43	-13.96	-2126.09	-59.69	48.60
56	13	154.00	-348.02	22.77	-9.67	-1722.16	133.86	-113.60
56	13	172.25	-352.71	22.77	-9.67	-1722.16	130.63	15.56
56	13	190.50	-329.20	-4.10	-10.37	-1611.38	-45.32	41.97
56	14	154.00	-445.57	31.80	-12.44	-2258.46	172.33	-122.42
56	14	172.25	-451.97	31.80	-12.44	-2258.46	168.97	18.69
56	14	190.50	-423.22	-4.98	-13.85	-2079.69	-58.79	48.33
56	15	154.00	-357.98	23.28	-9.69	-1770.62	133.95	-113.78
56	15	172.25	-362.81	23.28	-9.69	-1770.62	130.69	15.70
56	15	190.50	-339.11	-4.47	-10.47	-1659.23	-46.17	42.24
56	16	154.00	-455.53	32.31	-12.46	-2306.92	172.42	-122.61
56	16	172.25	-462.07	32.31	-12.46	-2306.91	169.03	18.83
56	16	190.50	-433.13	-5.35	-13.95	-2127.54	-59.64	48.60
...								
56	203	190.50	-302.76	-3.63	-9.83	-1486.03	-42.01	35.66
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-462.53	-58.98	-36.79	-2464.22	-250.18	-150.96
			-205.14	78.17	15.32	-858.71	337.98	109.64

Macro	Tipo	Angolo 1-Z (gradi)
57	**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
57	1	154.00	-454.40	-17.45	-0.41	-608.46	-11.76	12.24
57	1	172.25	-450.80	-17.45	-0.41	-608.46	-11.54	6.58

57	1	190.50	-450.55	-31.79	-0.87	-861.06	-21.03	-5.98
57	2	154.00	-601.81	-13.65	-1.26	-833.55	-9.88	12.89
57	2	172.25	-597.66	-13.65	-1.26	-833.55	-9.77	9.70
57	2	190.50	-599.12	-32.93	-1.86	-1047.25	-34.05	-5.78
57	3	154.00	-470.22	-17.22	-0.48	-630.78	-11.38	12.14
57	3	172.25	-466.54	-17.22	-0.48	-630.78	-11.17	6.74
57	3	190.50	-466.39	-32.08	-0.94	-883.40	-21.80	-5.87
57	4	154.00	-617.62	-13.41	-1.33	-855.87	-9.50	12.80
57	4	172.25	-613.40	-13.41	-1.33	-855.87	-9.40	9.86
57	4	190.50	-614.96	-33.21	-1.93	-1069.60	-34.82	-5.66
57	5	154.00	-454.56	-17.42	-0.41	-609.23	-11.79	12.20
57	5	172.25	-450.97	-17.42	-0.41	-609.23	-11.56	6.61
57	5	190.50	-450.69	-31.76	-0.87	-861.75	-21.00	-5.98
57	6	154.00	-601.97	-13.62	-1.26	-834.32	-9.91	12.86
57	6	172.25	-597.82	-13.62	-1.26	-834.32	-9.79	9.73
57	6	190.50	-599.26	-32.90	-1.86	-1047.95	-34.01	-5.78
57	7	154.00	-470.38	-17.19	-0.47	-631.55	-11.41	12.11
57	7	172.25	-466.70	-17.19	-0.47	-631.55	-11.19	6.76
57	7	190.50	-466.53	-32.05	-0.94	-884.10	-21.76	-5.87
57	8	154.00	-617.79	-13.38	-1.32	-856.64	-9.53	12.77
57	8	172.25	-613.56	-13.38	-1.32	-856.64	-9.42	9.88
57	8	190.50	-615.10	-33.18	-1.93	-1070.29	-34.78	-5.67
57	9	154.00	-493.95	-16.86	-0.57	-664.26	-10.82	12.01
57	9	172.25	-490.15	-16.86	-0.57	-664.26	-10.62	6.97
57	9	190.50	-490.16	-32.51	-1.06	-916.92	-22.95	-5.69
57	10	154.00	-641.35	-13.06	-1.42	-889.35	-8.94	12.66
57	10	172.25	-637.00	-13.06	-1.42	-889.35	-8.85	10.09
57	10	190.50	-638.73	-33.64	-2.05	-1103.11	-35.97	-5.49
57	11	154.00	-509.77	-16.63	-0.64	-686.58	-10.44	11.92
57	11	172.25	-505.88	-16.63	-0.64	-686.58	-10.25	7.12
57	11	190.50	-506.00	-32.80	-1.13	-939.27	-23.72	-5.57
57	12	154.00	-657.17	-12.83	-1.49	-911.66	-8.56	12.57
57	12	172.25	-652.74	-12.83	-1.49	-911.66	-8.49	10.24
57	12	190.50	-654.57	-33.93	-2.12	-1125.46	-36.73	-5.37
57	13	154.00	-494.11	-16.83	-0.57	-665.03	-10.84	11.98
57	13	172.25	-490.31	-16.83	-0.57	-665.03	-10.64	6.99
57	13	190.50	-490.30	-32.48	-1.06	-917.62	-22.91	-5.69
57	14	154.00	-641.52	-13.03	-1.42	-890.11	-8.97	12.63
57	14	172.25	-637.16	-13.03	-1.42	-890.11	-8.87	10.11
57	14	190.50	-638.87	-33.62	-2.05	-1103.81	-35.93	-5.49
57	15	154.00	-509.93	-16.60	-0.63	-687.34	-10.47	11.89
57	15	172.25	-506.05	-16.60	-0.63	-687.34	-10.28	7.15
57	15	190.50	-506.14	-32.77	-1.13	-939.96	-23.68	-5.57
57	16	154.00	-657.34	-12.80	-1.48	-912.43	-8.59	12.54
57	16	172.25	-652.90	-12.80	-1.48	-912.43	-8.51	10.27
57	16	190.50	-654.71	-33.90	-2.12	-1126.16	-36.70	-5.37
...								
57	203	190.50	-455.44	-25.59	-1.34	-803.63	-24.54	-4.28
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-657.39	-66.10	-38.09	-1267.16	-321.15	-100.60
			-286.83	27.42	35.36	40.65	293.89	113.90

Macro	Tipo	Angolo 1-Z (gradi)
58	**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
58	1	154.00	-462.80	-12.96	-0.93	-632.65	10.94	-1.48
58	1	172.25	-459.04	-12.96	-0.93	-632.65	11.06	3.39
58	1	190.50	-455.95	-27.56	-0.92	-864.10	-4.11	2.36
58	2	154.00	-615.12	-8.08	-1.34	-864.95	15.39	-1.45
58	2	172.25	-610.76	-8.08	-1.34	-864.95	15.57	4.95
58	2	190.50	-608.67	-27.80	-1.35	-1054.18	-6.40	2.98
58	3	154.00	-479.19	-12.72	-0.97	-655.84	11.22	-1.46
58	3	172.25	-475.35	-12.72	-0.97	-655.84	11.34	3.49
58	3	190.50	-472.36	-27.86	-0.95	-887.34	-4.35	2.37
58	4	154.00	-631.52	-7.84	-1.37	-888.15	15.67	-1.42
58	4	172.25	-627.07	-7.84	-1.37	-888.15	15.85	5.05
58	4	190.50	-625.08	-28.10	-1.38	-1077.41	-6.65	2.99
58	5	154.00	-462.70	-13.02	-0.94	-631.65	10.99	-1.52
58	5	172.25	-458.95	-13.02	-0.94	-631.65	11.11	3.41
58	5	190.50	-455.88	-27.61	-0.93	-863.36	-4.14	2.36
58	6	154.00	-615.02	-8.14	-1.35	-863.95	15.44	-1.48
58	6	172.25	-610.66	-8.14	-1.35	-863.95	15.62	4.97
58	6	190.50	-608.60	-27.85	-1.36	-1053.43	-6.43	2.98
58	7	154.00	-479.10	-12.77	-0.97	-654.84	11.27	-1.49
58	7	172.25	-475.25	-12.77	-0.97	-654.84	11.40	3.52
58	7	190.50	-472.30	-27.91	-0.96	-886.59	-4.38	2.37
58	8	154.00	-631.42	-7.89	-1.38	-887.15	15.72	-1.45
58	8	172.25	-626.97	-7.89	-1.38	-887.15	15.91	5.08
58	8	190.50	-625.02	-28.15	-1.39	-1076.66	-6.68	2.99
58	9	154.00	-503.78	-12.35	-1.01	-690.64	11.64	-1.42
58	9	172.25	-499.81	-12.35	-1.01	-690.64	11.77	3.65
58	9	190.50	-496.99	-28.31	-1.00	-922.18	-4.72	2.38
58	10	154.00	-656.10	-7.47	-1.42	-922.94	16.09	-1.38
58	10	172.25	-651.53	-7.47	-1.42	-922.94	16.28	5.21
58	10	190.50	-649.71	-28.55	-1.43	-1112.26	-7.02	3.00
58	11	154.00	-520.18	-12.10	-1.04	-713.83	11.92	-1.39
58	11	172.25	-516.12	-12.10	-1.04	-713.83	12.05	3.75
58	11	190.50	-513.40	-28.60	-1.04	-945.42	-4.97	2.39
58	12	154.00	-672.50	-7.22	-1.45	-946.14	16.37	-1.35
58	12	172.25	-667.83	-7.22	-1.45	-946.14	16.56	5.31
58	12	190.50	-666.12	-28.84	-1.47	-1135.49	-7.26	3.01

58	13	154.00	-503.69	-12.40	-1.01	-689.64	11.69	-1.45
58	13	172.25	-499.71	-12.40	-1.01	-689.64	11.82	3.68
58	13	190.50	-496.92	-28.36	-1.01	-921.43	-4.75	2.38
58	14	154.00	-656.01	-7.52	-1.42	-921.94	16.14	-1.41
58	14	172.25	-651.43	-7.52	-1.42	-921.94	16.33	5.24
58	14	190.50	-649.65	-28.60	-1.44	-1111.51	-7.05	3.00
58	15	154.00	-520.08	-12.16	-1.05	-712.83	11.97	-1.42
58	15	172.25	-516.02	-12.16	-1.05	-712.83	12.10	3.78
58	15	190.50	-513.34	-28.66	-1.04	-944.67	-5.00	2.39
58	16	154.00	-672.40	-7.28	-1.45	-945.14	16.42	-1.38
58	16	172.25	-667.74	-7.28	-1.45	-945.14	16.61	5.34
58	16	190.50	-666.06	-28.90	-1.48	-1134.74	-7.29	3.01
...								
58	203	190.50	-462.80	-21.91	-1.00	-809.15	-4.85	2.16
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-672.53	-48.68	-33.48	-1328.56	-261.68	-86.82
			-319.71	20.53	33.13	9.34	266.72	87.23

Macro	Tipo	Angolo 1-Z (gradi)
59	**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
59	1	154.00	-466.97	-12.59	-0.67	-642.52	4.24	0.98
59	1	172.25	-463.18	-12.59	-0.67	-642.52	4.30	2.51
59	1	190.50	-459.75	-27.26	-0.68	-874.64	-6.69	-0.28
59	2	154.00	-621.27	-7.43	-0.78	-877.33	4.78	1.22
59	2	172.25	-616.85	-7.43	-0.78	-877.33	4.85	3.06
59	2	190.50	-614.21	-27.26	-0.81	-1066.80	-8.07	-0.30
59	3	154.00	-483.55	-12.33	-0.68	-666.04	4.30	0.99
59	3	172.25	-479.67	-12.33	-0.68	-666.04	4.36	2.55
59	3	190.50	-476.34	-27.55	-0.69	-898.18	-6.78	-0.27
59	4	154.00	-637.85	-7.17	-0.79	-900.85	4.84	1.23
59	4	172.25	-633.34	-7.17	-0.79	-900.85	4.91	3.10
59	4	190.50	-630.80	-27.55	-0.81	-1090.34	-8.15	-0.30
59	5	154.00	-466.67	-12.68	-0.67	-640.72	4.27	0.97
59	5	172.25	-462.89	-12.68	-0.67	-640.72	4.33	2.52
59	5	190.50	-459.52	-27.36	-0.69	-873.20	-6.72	-0.28
59	6	154.00	-620.97	-7.52	-0.79	-875.53	4.81	1.21
59	6	172.25	-616.56	-7.52	-0.79	-875.53	4.88	3.07
59	6	190.50	-613.98	-27.35	-0.81	-1065.36	-8.09	-0.30
59	7	154.00	-483.25	-12.42	-0.68	-664.25	4.33	0.98
59	7	172.25	-479.37	-12.42	-0.68	-664.25	4.39	2.56
59	7	190.50	-476.11	-27.65	-0.69	-896.74	-6.80	-0.27
59	8	154.00	-637.55	-7.26	-0.80	-899.06	4.87	1.21
59	8	172.25	-633.04	-7.26	-0.80	-899.06	4.94	3.11
59	8	190.50	-630.56	-27.64	-0.82	-1088.90	-8.18	-0.30
59	9	154.00	-508.41	-11.94	-0.69	-701.34	4.39	1.00
59	9	172.25	-504.40	-11.94	-0.69	-701.34	4.45	2.60
59	9	190.50	-501.22	-27.98	-0.71	-933.49	-6.91	-0.27
59	10	154.00	-662.71	-6.78	-0.81	-936.15	4.93	1.24
59	10	172.25	-658.07	-6.78	-0.81	-936.15	5.00	3.15
59	10	190.50	-655.67	-27.98	-0.83	-1125.65	-8.29	-0.29
59	11	154.00	-524.98	-11.68	-0.70	-724.86	4.45	1.01
59	11	172.25	-520.88	-11.68	-0.70	-724.86	4.51	2.63
59	11	190.50	-517.80	-28.27	-0.71	-957.03	-7.00	-0.26
59	12	154.00	-679.28	-6.51	-0.82	-959.67	4.99	1.25
59	12	172.25	-674.56	-6.51	-0.82	-959.67	5.06	3.18
59	12	190.50	-672.26	-28.27	-0.84	-1149.19	-8.38	-0.29
59	13	154.00	-508.11	-12.03	-0.69	-699.54	4.42	0.99
59	13	172.25	-504.10	-12.03	-0.69	-699.54	4.48	2.61
59	13	190.50	-500.98	-28.08	-0.71	-932.05	-6.94	-0.27
59	14	154.00	-662.41	-6.87	-0.81	-934.35	4.96	1.23
59	14	172.25	-657.77	-6.87	-0.81	-934.35	5.03	3.16
59	14	190.50	-655.44	-28.07	-0.83	-1124.21	-8.31	-0.29
59	15	154.00	-524.68	-11.77	-0.70	-723.07	4.48	1.00
59	15	172.25	-520.59	-11.77	-0.70	-723.07	4.54	2.64
59	15	190.50	-517.57	-28.37	-0.72	-955.59	-7.03	-0.26
59	16	154.00	-678.98	-6.61	-0.82	-957.88	5.02	1.24
59	16	172.25	-674.26	-6.61	-0.82	-957.88	5.09	3.19
59	16	190.50	-672.03	-28.36	-0.84	-1147.75	-8.40	-0.29
...								
59	203	190.50	-466.90	-21.54	-0.61	-818.67	-6.05	-0.22
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-679.38	-38.76	-32.37	-1354.26	-257.57	-81.86
			-353.37	14.30	32.66	-71.92	256.25	77.60

Macro	Tipo	Angolo 1-Z (gradi)
60	**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
60	1	154.00	-471.79	-12.55	-0.58	-653.50	5.31	-0.43
60	1	172.25	-467.97	-12.55	-0.58	-653.50	5.29	0.91
60	1	190.50	-464.59	-27.36	-0.57	-885.62	-4.08	0.33
60	2	154.00	-626.09	-7.39	-0.46	-888.31	4.77	-0.67

60	2	172.25	-621.64	-7.39	-0.46	-888.31	4.75	0.36
60	2	190.50	-619.05	-27.36	-0.45	-1077.78	-2.70	0.35
60	3	154.00	-488.36	-12.29	-0.57	-677.03	5.25	-0.44
60	3	172.25	-484.46	-12.29	-0.57	-677.03	5.23	0.88
60	3	190.50	-481.18	-27.65	-0.56	-909.16	-3.99	0.32
60	4	154.00	-642.66	-7.12	-0.45	-911.84	4.71	-0.67
60	4	172.25	-638.13	-7.12	-0.45	-911.84	4.69	0.32
60	4	190.50	-635.64	-27.65	-0.44	-1101.32	-2.62	0.35
60	5	154.00	-471.49	-12.64	-0.57	-651.71	5.28	-0.42
60	5	172.25	-467.68	-12.64	-0.57	-651.71	5.26	0.90
60	5	190.50	-464.36	-27.46	-0.57	-884.18	-4.05	0.33
60	6	154.00	-625.79	-7.48	-0.46	-886.52	4.74	-0.65
60	6	172.25	-621.35	-7.48	-0.46	-886.52	4.71	0.35
60	6	190.50	-618.82	-27.45	-0.44	-1076.34	-2.68	0.35
60	7	154.00	-488.06	-12.38	-0.56	-675.24	5.22	-0.43
60	7	172.25	-484.16	-12.38	-0.56	-675.24	5.20	0.86
60	7	190.50	-480.95	-27.74	-0.56	-907.72	-3.97	0.32
60	8	154.00	-642.36	-7.22	-0.45	-910.05	4.68	-0.66
60	8	172.25	-637.83	-7.22	-0.45	-910.05	4.65	0.31
60	8	190.50	-635.40	-27.74	-0.43	-1099.88	-2.59	0.35
60	9	154.00	-513.22	-11.90	-0.55	-712.32	5.16	-0.45
60	9	172.25	-509.19	-11.90	-0.55	-712.32	5.15	0.83
60	9	190.50	-506.06	-28.08	-0.55	-944.47	-3.86	0.32
60	10	154.00	-667.52	-6.73	-0.44	-947.13	4.62	-0.69
60	10	172.25	-662.86	-6.73	-0.44	-947.13	4.60	0.27
60	10	190.50	-660.52	-28.08	-0.42	-1136.63	-2.48	0.34
60	11	154.00	-529.79	-11.64	-0.54	-735.85	5.10	-0.46
60	11	172.25	-525.67	-11.64	-0.54	-735.85	5.09	0.79
60	11	190.50	-522.64	-28.37	-0.54	-968.01	-3.77	0.31
60	12	154.00	-684.09	-6.47	-0.43	-970.66	4.56	-0.70
60	12	172.25	-679.34	-6.47	-0.43	-970.66	4.54	0.24
60	12	190.50	-677.10	-28.37	-0.41	-1160.17	-2.39	0.34
60	13	154.00	-512.92	-11.99	-0.55	-710.53	5.13	-0.44
60	13	172.25	-508.89	-11.99	-0.55	-710.53	5.11	0.81
60	13	190.50	-505.83	-28.18	-0.54	-943.03	-3.83	0.32
60	14	154.00	-667.22	-6.83	-0.44	-945.34	4.59	-0.68
60	14	172.25	-662.56	-6.83	-0.44	-945.34	4.56	0.26
60	14	190.50	-660.28	-28.17	-0.42	-1135.19	-2.46	0.34
60	15	154.00	-529.49	-11.73	-0.54	-734.06	5.07	-0.45
60	15	172.25	-525.38	-11.73	-0.54	-734.06	5.05	0.78
60	15	190.50	-522.41	-28.46	-0.53	-966.57	-3.74	0.31
60	16	154.00	-683.79	-6.57	-0.43	-968.87	4.53	-0.69
60	16	172.25	-679.05	-6.57	-0.43	-968.87	4.50	0.23
60	16	190.50	-676.87	-28.46	-0.41	-1158.73	-2.37	0.34
...								
60	203	190.50	-470.63	-21.62	-0.35	-827.12	-2.23	0.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-684.19	-38.88	-33.80	-1364.44	-266.02	-75.20
			-357.10	14.44	31.39	-79.15	266.38	85.02

Macro	Tipo	Angolo 1-Z (gradi)
61	**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
61	1	154.00	-480.31	-13.87	-0.01	-669.85	-3.78	1.95
61	1	172.25	-476.46	-13.87	-0.01	-669.85	-3.87	-0.74
61	1	190.50	-474.33	-28.99	-0.02	-905.46	-4.07	-2.35
61	2	154.00	-632.63	-8.99	0.40	-902.16	-8.23	1.92
61	2	172.25	-628.18	-8.99	0.40	-902.16	-8.38	-2.30
61	2	190.50	-627.05	-29.23	0.41	-1095.54	-1.77	-2.97
61	3	154.00	-496.70	-13.62	0.02	-693.05	-4.06	1.93
61	3	172.25	-492.77	-13.62	0.02	-693.05	-4.15	-0.85
61	3	190.50	-490.75	-29.29	0.01	-928.70	-3.82	-2.36
61	4	154.00	-649.02	-8.75	0.43	-925.35	-8.51	1.89
61	4	172.25	-644.49	-8.75	0.43	-925.35	-8.66	-2.41
61	4	190.50	-643.47	-29.53	0.45	-1118.77	-1.53	-2.98
61	5	154.00	-480.21	-13.92	-8.37e-03	-668.85	-3.83	1.99
61	5	172.25	-476.37	-13.92	-8.37e-03	-668.85	-3.92	-0.77
61	5	190.50	-474.27	-29.04	-0.01	-904.72	-4.03	-2.35
61	6	154.00	-632.53	-9.05	0.40	-901.16	-8.28	1.95
61	6	172.25	-628.08	-9.05	0.40	-901.16	-8.43	-2.33
61	6	190.50	-626.99	-29.28	0.42	-1094.79	-1.74	-2.97
61	7	154.00	-496.60	-13.68	0.02	-692.05	-4.11	1.96
61	7	172.25	-492.67	-13.68	0.02	-692.05	-4.21	-0.88
61	7	190.50	-490.68	-29.34	0.02	-927.95	-3.79	-2.36
61	8	154.00	-648.92	-8.80	0.43	-924.35	-8.56	1.92
61	8	172.25	-644.39	-8.80	0.43	-924.35	-8.71	-2.44
61	8	190.50	-643.41	-29.58	0.45	-1118.02	-1.49	-2.98
61	9	154.00	-521.29	-13.26	0.07	-727.84	-4.48	1.89
61	9	172.25	-517.23	-13.26	0.07	-727.84	-4.57	-1.01
61	9	190.50	-515.37	-29.74	0.07	-963.54	-3.45	-2.37
61	10	154.00	-673.61	-8.38	0.48	-960.15	-8.93	1.85
61	10	172.25	-668.95	-8.38	0.48	-960.15	-9.08	-2.57
61	10	190.50	-668.09	-29.98	0.50	-1153.62	-1.16	-2.99
61	11	154.00	-537.68	-13.01	0.10	-751.04	-4.76	1.86
61	11	172.25	-533.54	-13.01	0.10	-751.04	-4.86	-1.11
61	11	190.50	-531.79	-30.03	0.10	-986.78	-3.21	-2.38
61	12	154.00	-690.00	-8.13	0.51	-983.34	-9.21	1.82
61	12	172.25	-685.25	-8.13	0.51	-983.34	-9.37	-2.67
61	12	190.50	-684.51	-30.27	0.53	-1176.85	-0.91	-3.00
61	13	154.00	-521.19	-13.31	0.07	-726.84	-4.53	1.92
61	13	172.25	-517.13	-13.31	0.07	-726.84	-4.63	-1.04

61	13	190.50	-515.31	-29.79	0.07	-962.79	-3.42	-2.37
61	14	154.00	-673.51	-8.43	0.48	-959.15	-8.98	1.88
61	14	172.25	-668.85	-8.43	0.48	-959.15	-9.14	-2.59
61	14	190.50	-668.03	-30.03	0.50	-1152.87	-1.13	-3.00
61	15	154.00	-537.58	-13.06	0.10	-750.04	-4.81	1.89
61	15	172.25	-533.44	-13.06	0.10	-750.04	-4.91	-1.14
61	15	190.50	-531.73	-30.09	0.11	-986.03	-3.18	-2.38
61	16	154.00	-689.90	-8.19	0.51	-982.34	-9.26	1.86
61	16	172.25	-685.15	-8.19	0.51	-982.34	-9.42	-2.70
61	16	190.50	-684.45	-30.33	0.54	-1176.10	-0.88	-3.01
...								
61	203	190.50	-476.94	-23.01	0.28	-840.96	-1.43	-2.16
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-690.03	-49.93	-34.03	-1364.95	-274.07	-85.70
			-331.70	20.01	32.93	-13.47	266.36	89.37

Macro	Tipo	Angolo 1-Z (gradi)
62	**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
62	1	154.00	-474.35	-18.26	0.12	-654.73	14.31	-11.84
62	1	172.25	-470.64	-18.26	0.12	-654.73	14.11	-5.33
62	1	190.50	-471.31	-33.16	0.60	-911.13	19.08	6.36
62	2	154.00	-621.75	-14.45	0.97	-879.82	12.43	-12.49
62	2	172.25	-617.49	-14.45	0.97	-879.82	12.35	-8.45
62	2	190.50	-619.88	-34.29	1.59	-1097.32	32.10	6.16
62	3	154.00	-490.16	-18.02	0.18	-677.05	13.93	-11.74
62	3	172.25	-486.37	-18.02	0.18	-677.05	13.75	-5.48
62	3	190.50	-487.15	-33.45	0.67	-933.47	19.85	6.25
62	4	154.00	-637.57	-14.22	1.03	-902.13	12.05	-12.40
62	4	172.25	-633.23	-14.22	1.03	-902.13	11.98	-8.60
62	4	190.50	-635.72	-34.58	1.66	-1119.67	32.87	6.05
62	5	154.00	-474.51	-18.23	0.11	-655.50	14.33	-11.80
62	5	172.25	-470.80	-18.23	0.11	-655.50	14.14	-5.35
62	5	190.50	-471.45	-33.13	0.60	-911.82	19.05	6.37
62	6	154.00	-621.91	-14.42	0.96	-880.58	12.46	-12.46
62	6	172.25	-617.65	-14.42	0.96	-880.58	12.37	-8.47
62	6	190.50	-620.02	-34.27	1.59	-1098.02	32.07	6.16
62	7	154.00	-490.33	-17.99	0.17	-677.81	13.96	-11.71
62	7	172.25	-486.54	-17.99	0.17	-677.81	13.77	-5.50
62	7	190.50	-487.29	-33.42	0.67	-934.17	19.82	6.25
62	8	154.00	-637.73	-14.19	1.02	-902.90	12.08	-12.37
62	8	172.25	-633.39	-14.19	1.02	-902.90	12.00	-8.62
62	8	190.50	-635.86	-34.55	1.66	-1120.36	32.83	6.05
62	9	154.00	-513.89	-17.67	0.27	-710.52	13.36	-11.61
62	9	172.25	-509.98	-17.67	0.27	-710.52	13.20	-5.71
62	9	190.50	-510.92	-33.88	0.79	-966.99	21.00	6.07
62	10	154.00	-661.30	-13.87	1.13	-935.61	11.49	-12.26
62	10	172.25	-656.84	-13.87	1.13	-935.61	11.43	-8.83
62	10	190.50	-659.49	-35.01	1.78	-1153.19	34.02	5.87
62	11	154.00	-529.71	-17.43	0.34	-732.84	12.99	-11.52
62	11	172.25	-525.72	-17.43	0.34	-732.84	12.83	-5.87
62	11	190.50	-526.76	-34.16	0.87	-989.34	21.77	5.95
62	12	154.00	-677.12	-13.63	1.19	-957.93	11.11	-12.17
62	12	172.25	-672.57	-13.63	1.19	-957.93	11.06	-8.99
62	12	190.50	-675.33	-35.30	1.86	-1175.53	34.79	5.75
62	13	154.00	-514.06	-17.64	0.27	-711.29	13.39	-11.58
62	13	172.25	-510.14	-17.64	0.27	-711.29	13.22	-5.74
62	13	190.50	-511.06	-33.85	0.79	-967.69	20.97	6.07
62	14	154.00	-661.46	-13.84	1.12	-936.38	11.52	-12.23
62	14	172.25	-657.00	-13.84	1.12	-936.38	11.45	-8.86
62	14	190.50	-659.63	-34.98	1.78	-1153.88	33.98	5.87
62	15	154.00	-529.88	-17.40	0.33	-733.61	13.02	-11.48
62	15	172.25	-525.88	-17.40	0.33	-733.61	12.85	-5.89
62	15	190.50	-526.90	-34.14	0.86	-990.03	21.73	5.96
62	16	154.00	-677.28	-13.60	1.18	-958.70	11.14	-12.14
62	16	172.25	-672.73	-13.60	1.18	-958.70	11.09	-9.01
62	16	190.50	-675.47	-35.27	1.85	-1176.23	34.75	5.75
...								
62	203	190.50	-471.41	-26.64	1.13	-842.15	23.04	4.57
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-677.33	-67.43	-35.76	-1313.63	-296.31	-114.55
			-299.71	27.01	38.42	15.08	324.08	103.46

Macro	Tipo	Angolo 1-Z (gradi)
63	**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
63	1	154.00	-333.23	22.06	9.65	-1656.74	-133.24	113.59
63	1	172.25	-337.62	22.06	9.65	-1656.74	-130.08	-14.65
63	1	190.50	-314.35	-2.92	10.11	-1543.66	43.86	-40.85
63	2	154.00	-430.77	31.09	12.42	-2193.04	-171.70	122.41
63	2	172.25	-436.88	31.09	12.42	-2193.04	-168.41	-17.79
63	2	190.50	-408.38	-3.80	13.59	-2011.96	57.33	-47.21

63	3	154.00	-343.19	22.56	9.67	-1705.19	-133.33	113.77
63	3	172.25	-347.72	22.56	9.67	-1705.19	-130.13	-14.79
63	3	190.50	-324.26	-3.29	10.21	-1591.51	44.71	-41.12
63	4	154.00	-440.74	31.59	12.44	-2241.49	-171.79	122.60
63	4	172.25	-446.98	31.59	12.44	-2241.49	-168.47	-17.93
63	4	190.50	-418.29	-4.17	13.69	-2059.81	58.18	-47.48
63	5	154.00	-333.46	22.11	9.65	-1658.37	-133.20	113.59
63	5	172.25	-337.85	22.11	9.65	-1658.37	-130.04	-14.65
63	5	190.50	-314.51	-2.83	10.10	-1545.10	43.81	-40.85
63	6	154.00	-431.01	31.14	12.42	-2194.66	-171.67	122.41
63	6	172.25	-437.12	31.14	12.42	-2194.66	-168.38	-17.78
63	6	190.50	-408.54	-3.71	13.58	-2013.41	57.28	-47.22
63	7	154.00	-343.43	22.61	9.67	-1706.82	-133.29	113.78
63	7	172.25	-347.95	22.61	9.67	-1706.82	-130.10	-14.78
63	7	190.50	-324.42	-3.20	10.20	-1592.95	44.67	-41.12
63	8	154.00	-440.97	31.64	12.43	-2243.12	-171.75	122.60
63	8	172.25	-447.22	31.64	12.43	-2243.12	-168.44	-17.92
63	8	190.50	-418.45	-4.08	13.68	-2061.26	58.13	-47.49
63	9	154.00	-358.13	23.32	9.70	-1777.87	-133.46	114.06
63	9	172.25	-362.87	23.32	9.70	-1777.87	-130.22	-15.00
63	9	190.50	-339.13	-3.85	10.36	-1663.28	46.00	-41.53
63	10	154.00	-455.68	32.35	12.46	-2314.17	-171.92	122.88
63	10	172.25	-462.13	32.35	12.46	-2314.17	-168.56	-18.13
63	10	190.50	-433.15	-4.72	13.84	-2131.59	59.46	-47.89
63	11	154.00	-368.10	23.82	9.72	-1826.33	-133.55	114.24
63	11	172.25	-372.97	23.82	9.72	-1826.33	-130.28	-15.14
63	11	190.50	-349.04	-4.22	10.46	-1711.13	46.85	-41.80
63	12	154.00	-465.64	32.85	12.48	-2362.62	-172.01	123.07
63	12	172.25	-472.24	32.85	12.48	-2362.62	-168.62	-18.27
63	12	190.50	-443.06	-5.10	13.94	-2179.43	60.32	-48.16
63	13	154.00	-358.37	23.36	9.69	-1779.50	-133.42	114.06
63	13	172.25	-363.11	23.36	9.69	-1779.50	-130.19	-14.99
63	13	190.50	-339.29	-3.76	10.35	-1664.72	45.95	-41.53
63	14	154.00	-455.92	32.39	12.46	-2315.80	-171.89	122.88
63	14	172.25	-462.37	32.39	12.46	-2315.80	-168.52	-18.13
63	14	190.50	-433.31	-4.64	13.83	-2133.03	59.42	-47.89
63	15	154.00	-368.33	23.86	9.71	-1827.95	-133.51	114.25
63	15	172.25	-373.21	23.86	9.71	-1827.95	-130.25	-15.13
63	15	190.50	-349.20	-4.13	10.45	-1712.57	46.80	-41.80
63	16	154.00	-465.88	32.90	12.48	-2364.25	-171.97	123.07
63	16	172.25	-472.47	32.90	12.48	-2364.25	-168.58	-18.26
63	16	190.50	-443.22	-5.01	13.93	-2180.88	60.27	-48.16
...								
63	203	190.50	-310.52	-3.37	9.81	-1527.07	42.50	-35.32
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-472.73	-59.34	-15.68	-2521.98	-340.46	-110.56
			-210.57	79.15	37.14	-887.29	253.52	151.50

Macro	Tipo	Angolo 1-Z (gradi)
66	**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
66	1	192.50	-95.33	-7.65	-2.19	152.84	0.23	39.91
66	1	210.75	-98.39	-7.65	-2.19	152.84	0.35	9.87
66	1	229.00	-83.03	15.63	0.78	87.33	-16.30	-21.20
66	2	192.50	-125.54	-10.65	-6.07	285.65	38.35	33.35
66	2	210.75	-129.91	-10.65	-6.07	285.65	38.29	19.01
66	2	229.00	-113.57	19.71	0.20	164.06	-24.01	-21.10
66	3	192.50	-100.20	-8.04	-2.42	163.54	0.82	41.48
66	3	210.75	-103.39	-8.04	-2.42	163.54	0.97	10.63
66	3	229.00	-87.92	16.23	0.92	97.63	-16.78	-22.49
66	4	192.50	-130.41	-11.04	-6.30	296.34	38.95	34.92
66	4	210.75	-134.91	-11.04	-6.30	296.34	38.92	19.78
66	4	229.00	-118.46	20.31	0.33	174.36	-24.49	-22.39
66	5	192.50	-94.96	-7.61	-2.17	150.50	0.06	39.78
66	5	210.75	-98.02	-7.61	-2.17	150.50	0.18	9.79
66	5	229.00	-82.74	15.67	0.78	85.82	-16.25	-21.20
66	6	192.50	-125.17	-10.61	-6.05	283.31	38.18	33.22
66	6	210.75	-129.54	-10.61	-6.05	283.31	38.12	18.94
66	6	229.00	-113.28	19.75	0.20	162.54	-23.96	-21.10
66	7	192.50	-99.83	-8.00	-2.40	161.20	0.66	41.35
66	7	210.75	-103.02	-8.00	-2.40	161.20	0.80	10.56
66	7	229.00	-87.64	16.27	0.92	96.12	-16.73	-22.49
66	8	192.50	-130.04	-11.00	-6.28	294.00	38.78	34.79
66	8	210.75	-134.54	-11.00	-6.28	294.00	38.75	19.70
66	8	229.00	-118.17	20.35	0.33	172.84	-24.44	-22.39
66	9	192.50	-107.50	-8.63	-2.77	179.57	1.72	43.83
66	9	210.75	-110.90	-8.63	-2.77	179.57	1.91	11.79
66	9	229.00	-95.26	17.13	1.12	113.08	-17.49	-24.42
66	10	192.50	-137.71	-11.63	-6.65	312.38	39.84	37.27
66	10	210.75	-142.42	-11.63	-6.65	312.38	39.85	20.93
66	10	229.00	-125.80	21.20	0.54	189.81	-25.20	-24.32
66	11	192.50	-112.37	-9.02	-3.00	190.27	2.32	45.40
66	11	210.75	-115.90	-9.02	-3.00	190.27	2.53	12.56
66	11	229.00	-100.16	17.73	1.26	123.38	-17.97	-25.71
66	12	192.50	-142.58	-12.02	-6.88	323.07	40.44	38.84
66	12	210.75	-147.42	-12.02	-6.88	323.07	40.48	21.70
66	12	229.00	-130.69	21.80	0.67	200.11	-25.68	-25.61
66	13	192.50	-107.13	-8.59	-2.75	177.23	1.55	43.70
66	13	210.75	-110.53	-8.59	-2.75	177.23	1.74	11.71
66	13	229.00	-94.98	17.17	1.12	111.57	-17.45	-24.42
66	14	192.50	-137.34	-11.58	-6.63	310.04	39.68	37.14

66	14	210.75	-142.05	-11.58	-6.63	310.04	39.68	20.86
66	14	229.00	-125.51	21.25	0.54	188.29	-25.16	-24.32
66	15	192.50	-112.00	-8.98	-2.99	187.93	2.15	45.27
66	15	210.75	-115.53	-8.98	-2.99	187.93	2.36	12.48
66	15	229.00	-99.87	17.77	1.26	121.87	-17.92	-25.71
66	16	192.50	-142.21	-11.97	-6.86	320.73	40.27	38.71
66	16	210.75	-147.05	-11.97	-6.86	320.73	40.31	21.63
66	16	229.00	-130.40	21.85	0.67	198.59	-25.63	-25.61
...								
66	203	229.00	-89.18	15.33	0.54	126.74	-17.52	-18.66
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-158.05	-59.90	-13.35	-80.13	-123.96	-166.07
			-63.52	67.57	8.04	529.02	126.53	217.02

Macro	Tipo	Angolo 1-Z (gradi)
67	**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
67	1	192.50	-227.84	5.96	-0.83	-703.63	-1.76	10.20
67	1	210.75	-226.24	5.96	-0.83	-703.63	-1.66	9.07
67	1	229.00	-191.37	14.08	0.16	-587.81	-10.68	-7.03
67	2	192.50	-301.94	-0.35	-1.33	-848.59	-1.34	16.58
67	2	210.75	-300.39	-0.35	-1.33	-848.59	-1.13	15.65
67	2	229.00	-265.54	9.78	-0.27	-790.67	-20.70	-11.27
67	3	192.50	-239.63	5.63	-0.91	-733.29	-1.45	10.60
67	3	210.75	-238.00	5.63	-0.91	-733.29	-1.35	9.61
67	3	229.00	-203.18	14.12	0.13	-617.76	-11.53	-7.36
67	4	192.50	-313.72	-0.68	-1.40	-878.25	-1.03	16.97
67	4	210.75	-312.15	-0.68	-1.40	-878.25	-0.82	16.20
67	4	229.00	-277.35	9.81	-0.30	-820.62	-21.56	-11.60
67	5	192.50	-227.75	5.99	-0.83	-704.40	-1.90	10.17
67	5	210.75	-226.15	5.99	-0.83	-704.40	-1.81	8.98
67	5	229.00	-191.31	14.11	0.19	-588.34	-10.52	-7.09
67	6	192.50	-301.84	-0.32	-1.32	-849.36	-1.48	16.55
67	6	210.75	-300.30	-0.32	-1.32	-849.36	-1.28	15.57
67	6	229.00	-265.48	9.80	-0.24	-791.21	-20.55	-11.33
67	7	192.50	-239.53	5.66	-0.91	-734.07	-1.60	10.57
67	7	210.75	-237.91	5.66	-0.91	-734.07	-1.50	9.52
67	7	229.00	-203.12	14.14	0.16	-618.29	-11.38	-7.42
67	8	192.50	-313.63	-0.65	-1.40	-879.02	-1.18	16.94
67	8	210.75	-312.06	-0.65	-1.40	-879.02	-0.97	16.11
67	8	229.00	-277.29	9.84	-0.27	-821.15	-21.41	-11.66
67	9	192.50	-257.30	5.14	-1.02	-777.79	-0.99	11.19
67	9	210.75	-255.63	5.14	-1.02	-777.79	-0.88	10.43
67	9	229.00	-220.90	14.17	0.09	-662.68	-12.82	-7.85
67	10	192.50	-331.40	-1.17	-1.52	-922.75	-0.57	17.57
67	10	210.75	-329.78	-1.17	-1.52	-922.75	-0.35	17.02
67	10	229.00	-295.07	9.86	-0.34	-865.54	-22.85	-12.10
67	11	192.50	-269.09	4.81	-1.10	-807.46	-0.69	11.59
67	11	210.75	-267.39	4.81	-1.10	-807.46	-0.56	10.98
67	11	229.00	-232.71	14.20	0.05	-692.63	-13.68	-8.18
67	12	192.50	-343.18	-1.50	-1.59	-952.41	-0.27	17.96
67	12	210.75	-341.54	-1.50	-1.59	-952.41	-0.03	17.57
67	12	229.00	-306.88	9.90	-0.38	-895.49	-23.71	-12.42
67	13	192.50	-257.21	5.17	-1.02	-778.56	-1.14	11.16
67	13	210.75	-255.54	5.17	-1.02	-778.56	-1.03	10.34
67	13	229.00	-220.83	14.19	0.11	-663.21	-12.67	-7.91
67	14	192.50	-331.30	-1.14	-1.51	-923.52	-0.72	17.54
67	14	210.75	-329.69	-1.14	-1.51	-923.52	-0.50	16.93
67	14	229.00	-295.00	9.89	-0.32	-866.08	-22.69	-12.15
67	15	192.50	-268.99	4.84	-1.09	-808.23	-0.84	11.56
67	15	210.75	-267.30	4.84	-1.09	-808.23	-0.71	10.89
67	15	229.00	-232.64	14.22	0.08	-693.16	-13.52	-8.24
67	16	192.50	-343.09	-1.47	-1.59	-953.19	-0.42	17.93
67	16	210.75	-341.45	-1.47	-1.59	-953.19	-0.18	17.48
67	16	229.00	-306.81	9.92	-0.35	-896.03	-23.55	-12.48
...								
67	203	229.00	-208.79	8.61	-0.15	-616.46	-15.10	-8.31
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-343.21	-40.65	-21.88	-1095.22	-220.09	-169.17
			-147.13	49.13	19.31	-210.13	210.51	196.31

Macro	Tipo	Angolo 1-Z (gradi)
68	**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
68	1	192.50	-230.63	11.19	-0.25	-717.14	4.49	-1.37
68	1	210.75	-228.91	11.19	-0.25	-717.14	4.28	5.03
68	1	229.00	-194.92	19.40	-0.12	-598.67	-1.00	1.93
68	2	192.50	-307.35	6.40	-0.48	-867.11	7.37	-1.66
68	2	210.75	-305.60	6.40	-0.48	-867.11	7.09	7.56
68	2	229.00	-271.39	17.05	-0.19	-806.76	-1.97	3.18
68	3	192.50	-242.75	10.92	-0.27	-747.62	4.72	-1.35
68	3	210.75	-241.00	10.92	-0.27	-747.62	4.51	5.25

68	3	229.00	-207.03	19.52	-0.13	-629.64	-1.14	2.01
68	4	192.50	-319.47	6.12	-0.50	-897.58	7.60	-1.64
68	4	210.75	-317.68	6.12	-0.50	-897.58	7.32	7.78
68	4	229.00	-283.49	17.17	-0.20	-837.73	-2.11	3.26
68	5	192.50	-230.77	11.17	-0.25	-716.54	4.40	-1.41
68	5	210.75	-229.05	11.17	-0.25	-716.54	4.19	4.98
68	5	229.00	-195.04	19.38	-0.10	-598.24	-0.91	1.88
68	6	192.50	-307.50	6.38	-0.48	-866.51	7.28	-1.70
68	6	210.75	-305.74	6.38	-0.48	-866.51	7.00	7.51
68	6	229.00	-271.50	17.04	-0.18	-806.33	-1.87	3.12
68	7	192.50	-242.89	10.90	-0.27	-747.01	4.64	-1.38
68	7	210.75	-241.14	10.90	-0.27	-747.01	4.42	5.20
68	7	229.00	-207.14	19.50	-0.11	-629.21	-1.05	1.95
68	8	192.50	-319.62	6.10	-0.50	-896.98	7.51	-1.67
68	8	210.75	-317.83	6.10	-0.50	-896.98	7.23	7.73
68	8	229.00	-283.61	17.16	-0.18	-837.30	-2.01	3.20
68	9	192.50	-260.93	10.50	-0.30	-793.33	5.07	-1.31
68	9	210.75	-259.13	10.50	-0.30	-793.33	4.86	5.58
68	9	229.00	-225.18	19.70	-0.14	-676.10	-1.35	2.13
68	10	192.50	-337.65	5.71	-0.54	-943.29	7.95	-1.61
68	10	210.75	-335.82	5.71	-0.54	-943.29	7.66	8.11
68	10	229.00	-301.64	17.36	-0.22	-884.19	-2.32	3.38
68	11	192.50	-273.05	10.22	-0.33	-823.80	5.30	-1.29
68	11	210.75	-271.22	10.22	-0.33	-823.80	5.09	5.80
68	11	229.00	-237.28	19.83	-0.15	-707.08	-1.49	2.21
68	12	192.50	-349.77	5.43	-0.56	-973.77	8.18	-1.58
68	12	210.75	-347.91	5.43	-0.56	-973.77	7.89	8.33
68	12	229.00	-313.75	17.48	-0.22	-915.17	-2.46	3.46
68	13	192.50	-261.07	10.48	-0.30	-792.72	4.99	-1.35
68	13	210.75	-259.27	10.48	-0.30	-792.72	4.77	5.53
68	13	229.00	-225.30	19.69	-0.12	-675.67	-1.26	2.07
68	14	192.50	-337.80	5.69	-0.54	-942.69	7.86	-1.64
68	14	210.75	-335.96	5.69	-0.54	-942.69	7.57	8.06
68	14	229.00	-301.76	17.34	-0.20	-883.76	-2.22	3.32
68	15	192.50	-273.19	10.20	-0.32	-823.19	5.22	-1.32
68	15	210.75	-271.36	10.20	-0.32	-823.19	5.00	5.75
68	15	229.00	-237.40	19.81	-0.13	-706.65	-1.39	2.15
68	16	192.50	-349.92	5.41	-0.56	-973.16	8.09	-1.62
68	16	210.75	-348.05	5.41	-0.56	-973.16	7.80	8.28
68	16	229.00	-313.86	17.47	-0.21	-914.74	-2.36	3.40
...								
68	203	229.00	-213.36	13.89	-0.14	-629.15	-1.51	2.28
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-349.97	-20.95	-18.56	-1217.06	-194.09	-171.10
			-149.89	35.64	18.19	-112.28	197.88	177.65

Macro	Tipo	Angolo 1-Z (gradi)
69	**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
69	1	192.50	-231.68	12.40	-0.25	-727.86	2.68	1.02
69	1	210.75	-229.98	12.40	-0.25	-727.86	2.63	4.52
69	1	229.00	-195.96	20.60	-0.29	-605.48	-3.95	-0.26
69	2	192.50	-309.66	8.26	-0.29	-879.79	2.82	1.46
69	2	210.75	-307.92	8.26	-0.29	-879.79	2.76	5.38
69	2	229.00	-273.59	18.88	-0.32	-814.72	-4.65	-0.44
69	3	192.50	-243.87	12.17	-0.25	-758.67	2.71	1.05
69	3	210.75	-242.14	12.17	-0.25	-758.67	2.66	4.59
69	3	229.00	-208.11	20.78	-0.30	-636.82	-4.01	-0.26
69	4	192.50	-321.85	8.04	-0.29	-910.60	2.85	1.49
69	4	210.75	-320.08	8.04	-0.29	-910.60	2.79	5.45
69	4	229.00	-285.75	19.05	-0.32	-846.06	-4.71	-0.44
69	5	192.50	-231.90	12.33	-0.25	-726.41	2.66	1.01
69	5	210.75	-230.20	12.33	-0.25	-726.41	2.60	4.51
69	5	229.00	-196.13	20.54	-0.29	-604.38	-3.92	-0.28
69	6	192.50	-309.88	8.20	-0.29	-878.34	2.79	1.44
69	6	210.75	-308.14	8.20	-0.29	-878.34	2.74	5.36
69	6	229.00	-273.76	18.82	-0.31	-813.62	-4.62	-0.46
69	7	192.50	-244.09	12.11	-0.26	-757.21	2.69	1.03
69	7	210.75	-242.36	12.11	-0.26	-757.21	2.63	4.58
69	7	229.00	-208.29	20.72	-0.29	-635.73	-3.98	-0.28
69	8	192.50	-322.07	7.97	-0.29	-909.14	2.83	1.47
69	8	210.75	-320.30	7.97	-0.29	-909.14	2.77	5.43
69	8	229.00	-285.92	18.99	-0.31	-844.96	-4.68	-0.46
69	9	192.50	-262.16	11.84	-0.26	-804.87	2.76	1.09
69	9	210.75	-260.38	11.84	-0.26	-804.87	2.70	4.70
69	9	229.00	-226.34	21.04	-0.30	-683.84	-4.09	-0.26
69	10	192.50	-340.14	7.70	-0.30	-956.80	2.89	1.53
69	10	210.75	-338.32	7.70	-0.30	-956.80	2.83	5.55
69	10	229.00	-303.98	19.32	-0.33	-893.08	-4.79	-0.44
69	11	192.50	-274.35	11.62	-0.26	-835.68	2.79	1.12
69	11	210.75	-272.53	11.62	-0.26	-835.68	2.73	4.77
69	11	229.00	-238.50	21.21	-0.31	-715.18	-4.15	-0.26
69	12	192.50	-352.33	7.48	-0.30	-987.60	2.92	1.56
69	12	210.75	-350.48	7.48	-0.30	-987.60	2.86	5.62
69	12	229.00	-316.13	19.49	-0.33	-924.42	-4.85	-0.44
69	13	192.50	-262.38	11.77	-0.26	-803.42	2.74	1.08
69	13	210.75	-260.60	11.77	-0.26	-803.42	2.68	4.68
69	13	229.00	-226.52	20.98	-0.30	-682.74	-4.07	-0.28
69	14	192.50	-340.36	7.64	-0.30	-955.35	2.87	1.52
69	14	210.75	-338.54	7.64	-0.30	-955.35	2.81	5.54
69	14	229.00	-304.15	19.25	-0.32	-891.98	-4.77	-0.46

69	15	192.50	-274.57	11.55	-0.26	-834.22	2.77	1.10
69	15	210.75	-272.76	11.55	-0.26	-834.22	2.71	4.75
69	15	229.00	-238.67	21.15	-0.30	-714.08	-4.12	-0.28
69	16	192.50	-352.55	7.41	-0.30	-986.15	2.90	1.54
69	16	210.75	-350.70	7.41	-0.30	-986.15	2.84	5.60
69	16	229.00	-316.31	19.43	-0.32	-923.32	-4.82	-0.46
...								
69	203	229.00	-214.90	15.23	-0.24	-635.43	-3.51	-0.31
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-352.63	-9.10	-19.30	-1267.58	-212.42	-174.63
			-150.66	28.30	18.96	-138.74	210.31	176.39

Macro	Tipo	Angolo 1-Z (gradi)
70	**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
70	1	192.50	-233.22	12.76	-0.53	-739.99	5.89	-0.02
70	1	210.75	-231.51	12.76	-0.53	-739.99	5.87	3.70
70	1	229.00	-197.19	21.05	-0.56	-619.40	-5.56	0.39
70	2	192.50	-311.20	8.63	-0.49	-891.92	5.76	-0.46
70	2	210.75	-309.45	8.63	-0.49	-891.92	5.73	2.85
70	2	229.00	-274.83	19.32	-0.54	-828.64	-4.86	0.57
70	3	192.50	-245.41	12.54	-0.53	-770.79	5.86	-0.05
70	3	210.75	-243.67	12.54	-0.53	-770.79	5.84	3.64
70	3	229.00	-209.35	21.22	-0.56	-650.74	-5.50	0.39
70	4	192.50	-323.39	8.40	-0.49	-922.72	5.73	-0.49
70	4	210.75	-321.61	8.40	-0.49	-922.72	5.70	2.78
70	4	229.00	-286.98	19.50	-0.53	-859.98	-4.80	0.57
70	5	192.50	-233.44	12.70	-0.53	-738.53	5.91	-6.41e-03
70	5	210.75	-231.73	12.70	-0.53	-738.53	5.89	3.72
70	5	229.00	-197.37	20.98	-0.57	-618.30	-5.59	0.41
70	6	192.50	-311.42	8.56	-0.49	-890.46	5.78	-0.45
70	6	210.75	-309.67	8.56	-0.49	-890.46	5.76	2.87
70	6	229.00	-275.00	19.26	-0.54	-827.54	-4.89	0.59
70	7	192.50	-245.64	12.47	-0.53	-769.34	5.88	-0.03
70	7	210.75	-243.89	12.47	-0.53	-769.34	5.86	3.65
70	7	229.00	-209.52	21.16	-0.56	-649.64	-5.53	0.41
70	8	192.50	-323.62	8.34	-0.49	-921.27	5.75	-0.47
70	8	210.75	-321.83	8.34	-0.49	-921.27	5.73	2.80
70	8	229.00	-287.16	19.44	-0.54	-858.88	-4.83	0.59
70	9	192.50	-263.70	12.20	-0.52	-817.00	5.81	-0.09
70	9	210.75	-261.91	12.20	-0.52	-817.00	5.79	3.53
70	9	229.00	-227.58	21.48	-0.55	-697.75	-5.41	0.39
70	10	192.50	-341.68	8.07	-0.49	-968.93	5.68	-0.53
70	10	210.75	-339.85	8.07	-0.49	-968.93	5.66	2.68
70	10	229.00	-305.21	19.76	-0.53	-906.99	-4.71	0.57
70	11	192.50	-275.89	11.98	-0.52	-847.80	5.78	-0.12
70	11	210.75	-274.07	11.98	-0.52	-847.80	5.76	3.46
70	11	229.00	-239.74	21.66	-0.55	-729.10	-5.36	0.39
70	12	192.50	-353.87	7.85	-0.48	-999.73	5.65	-0.56
70	12	210.75	-352.01	7.85	-0.48	-999.73	5.63	2.61
70	12	229.00	-317.37	19.93	-0.52	-938.34	-4.66	0.57
70	13	192.50	-263.92	12.14	-0.52	-815.54	5.83	-0.08
70	13	210.75	-262.13	12.14	-0.52	-815.54	5.81	3.55
70	13	229.00	-227.75	21.42	-0.56	-696.66	-5.44	0.41
70	14	192.50	-341.90	8.00	-0.48	-967.47	5.70	-0.52
70	14	210.75	-340.07	8.00	-0.48	-967.47	5.68	2.69
70	14	229.00	-305.39	19.70	-0.53	-905.90	-4.74	0.59
70	15	192.50	-276.12	11.92	-0.52	-846.35	5.80	-0.11
70	15	210.75	-274.29	11.92	-0.52	-846.35	5.78	3.48
70	15	229.00	-239.91	21.60	-0.55	-728.00	-5.38	0.41
70	16	192.50	-354.10	7.78	-0.48	-998.27	5.67	-0.54
70	16	210.75	-352.23	7.78	-0.48	-998.27	5.65	2.62
70	16	229.00	-317.54	19.87	-0.53	-937.24	-4.68	0.59
...								
70	203	229.00	-215.85	15.57	-0.41	-646.14	-3.81	0.40
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-354.17	-8.89	-19.72	-1278.62	-208.36	-164.50
			-151.61	28.73	18.71	-146.96	208.50	182.03

Macro	Tipo	Angolo 1-Z (gradi)
71	**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
71	1	192.50	-239.09	8.58	-0.33	-774.38	1.97	2.04
71	1	210.75	-237.38	8.58	-0.33	-774.38	2.13	1.24
71	1	229.00	-202.56	17.22	-0.56	-660.26	-6.41	-2.08
71	2	192.50	-315.81	3.79	-0.09	-924.35	-0.90	2.33
71	2	210.75	-314.07	3.79	-0.09	-924.35	-0.68	-1.29
71	2	229.00	-279.03	14.87	-0.49	-868.35	-5.44	-3.32
71	3	192.50	-251.21	8.31	-0.31	-804.85	1.74	2.01
71	3	210.75	-249.47	8.31	-0.31	-804.85	1.90	1.02
71	3	229.00	-214.67	17.34	-0.55	-691.24	-6.27	-2.15
71	4	192.50	-327.94	3.51	-0.07	-954.82	-1.13	2.31

71	4	210.75	-326.16	3.51	-0.07	-954.82	-0.90	-1.51
71	4	229.00	-291.13	15.00	-0.48	-899.33	-5.30	-3.40
71	5	192.50	-239.23	8.57	-0.33	-773.78	2.06	2.07
71	5	210.75	-237.52	8.57	-0.33	-773.78	2.22	1.29
71	5	229.00	-202.68	17.20	-0.58	-659.84	-6.50	-2.02
71	6	192.50	-315.96	3.77	-0.09	-923.74	-0.81	2.36
71	6	210.75	-314.21	3.77	-0.09	-923.74	-0.59	-1.24
71	6	229.00	-279.14	14.86	-0.51	-867.92	-5.54	-3.27
71	7	192.50	-251.36	8.29	-0.31	-804.25	1.83	2.05
71	7	210.75	-249.61	8.29	-0.31	-804.25	1.99	1.07
71	7	229.00	-214.78	17.33	-0.57	-690.81	-6.36	-2.10
71	8	192.50	-328.08	3.50	-0.07	-954.22	-1.05	2.34
71	8	210.75	-326.30	3.50	-0.07	-954.22	-0.82	-1.46
71	8	229.00	-291.25	14.98	-0.50	-898.90	-5.40	-3.35
71	9	192.50	-269.39	7.89	-0.27	-850.56	1.39	1.98
71	9	210.75	-267.60	7.89	-0.27	-850.56	1.56	0.69
71	9	229.00	-232.82	17.53	-0.54	-737.70	-6.06	-2.27
71	10	192.50	-346.12	3.10	-0.04	-1000.53	-1.48	2.27
71	10	210.75	-344.29	3.10	-0.04	-1000.53	-1.25	-1.84
71	10	229.00	-309.29	15.18	-0.47	-945.79	-5.09	-3.52
71	11	192.50	-281.51	7.61	-0.25	-881.03	1.16	1.96
71	11	210.75	-279.69	7.61	-0.25	-881.03	1.33	0.47
71	11	229.00	-244.93	17.65	-0.53	-768.67	-5.92	-2.35
71	12	192.50	-358.24	2.82	-0.01	-1031.00	-1.71	2.25
71	12	210.75	-356.38	2.82	-0.01	-1031.00	-1.48	-2.06
71	12	229.00	-321.39	15.31	-0.46	-976.76	-4.95	-3.60
71	13	192.50	-269.54	7.87	-0.27	-849.96	1.48	2.01
71	13	210.75	-267.75	7.87	-0.27	-849.96	1.65	0.74
71	13	229.00	-232.94	17.51	-0.56	-737.27	-6.15	-2.22
71	14	192.50	-346.26	3.08	-0.04	-999.93	-1.40	2.30
71	14	210.75	-344.44	3.08	-0.04	-999.93	-1.16	-1.79
71	14	229.00	-309.40	15.17	-0.48	-945.36	-5.19	-3.47
71	15	192.50	-281.66	7.60	-0.25	-880.43	1.25	1.99
71	15	210.75	-279.84	7.60	-0.25	-880.43	1.42	0.52
71	15	229.00	-245.04	17.64	-0.55	-768.25	-6.02	-2.29
71	16	192.50	-358.38	2.80	-0.01	-1030.40	-1.63	2.28
71	16	210.75	-356.52	2.80	-0.01	-1030.40	-1.39	-2.01
71	16	229.00	-321.51	15.29	-0.48	-976.34	-5.05	-3.54
...								
71	203	229.00	-219.24	12.22	-0.38	-676.53	-4.19	-2.39
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-358.43	-23.13	-18.73	-1265.97	-197.55	-173.86
			-155.77	34.07	18.01	-150.46	192.90	176.96

Macro	Tipo	Angolo 1-Z (gradi)
72	**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
72	1	192.50	-235.65	3.55	0.84	-772.02	2.96	-9.90
72	1	210.75	-234.08	3.55	0.84	-772.02	2.84	-6.92
72	1	229.00	-198.44	12.07	-0.28	-660.17	10.18	8.27
72	2	192.50	-309.75	-2.76	1.34	-916.98	2.54	-16.28
72	2	210.75	-308.23	-2.76	1.34	-916.98	2.31	-13.51
72	2	229.00	-272.60	7.77	0.15	-863.03	20.20	12.51
72	3	192.50	-247.44	3.22	0.92	-801.68	2.66	-10.30
72	3	210.75	-245.84	3.22	0.92	-801.68	2.53	-7.47
72	3	229.00	-210.25	12.10	-0.25	-690.11	11.03	8.60
72	4	192.50	-321.53	-3.09	1.41	-946.64	2.24	-16.67
72	4	210.75	-319.99	-3.09	1.41	-946.64	2.00	-14.06
72	4	229.00	-284.41	7.80	0.18	-892.98	21.06	12.84
72	5	192.50	-235.56	3.57	0.84	-772.79	3.11	-9.87
72	5	210.75	-233.99	3.57	0.84	-772.79	2.99	-6.84
72	5	229.00	-198.37	12.09	-0.31	-660.70	10.02	8.33
72	6	192.50	-309.66	-2.74	1.33	-917.75	2.69	-16.25
72	6	210.75	-308.14	-2.74	1.33	-917.75	2.46	-13.42
72	6	229.00	-272.54	7.79	0.12	-863.56	20.05	12.57
72	7	192.50	-247.34	3.25	0.92	-802.45	2.81	-10.27
72	7	210.75	-245.74	3.25	0.92	-802.45	2.68	-7.38
72	7	229.00	-210.18	12.13	-0.27	-690.65	10.88	8.66
72	8	192.50	-321.44	-3.06	1.41	-947.41	2.39	-16.64
72	8	210.75	-319.90	-3.06	1.41	-947.41	2.15	-13.97
72	8	229.00	-284.35	7.82	0.15	-893.51	20.91	12.90
72	9	192.50	-265.11	2.73	1.03	-846.18	2.20	-10.89
72	9	210.75	-263.47	2.73	1.03	-846.18	2.06	-8.29
72	9	229.00	-227.96	12.15	-0.20	-735.04	12.32	9.09
72	10	192.50	-339.21	-3.58	1.53	-991.14	1.78	-17.27
72	10	210.75	-337.62	-3.58	1.53	-991.14	1.53	-14.88
72	10	229.00	-302.13	7.85	0.23	-937.90	22.35	13.34
72	11	192.50	-276.90	2.40	1.11	-875.85	1.90	-11.29
72	11	210.75	-275.23	2.40	1.11	-875.85	1.75	-8.84
72	11	229.00	-239.77	12.18	-0.17	-764.99	13.18	9.42
72	12	192.50	-350.99	-3.91	1.60	-1020.80	1.48	-17.66
72	12	210.75	-349.38	-3.91	1.60	-1020.80	1.21	-15.42
72	12	229.00	-313.94	7.88	0.26	-967.85	23.20	13.66
72	13	192.50	-265.02	2.75	1.03	-846.95	2.35	-10.86
72	13	210.75	-263.38	2.75	1.03	-846.95	2.21	-8.20
72	13	229.00	-227.90	12.17	-0.23	-735.57	12.17	9.15
72	14	192.50	-339.11	-3.56	1.52	-991.91	1.93	-17.23
72	14	210.75	-337.53	-3.56	1.52	-991.91	1.68	-14.79
72	14	229.00	-302.06	7.87	0.20	-938.44	22.19	13.39
72	15	192.50	-276.80	2.43	1.10	-876.62	2.05	-11.26
72	15	210.75	-275.14	2.43	1.10	-876.62	1.90	-8.75

72	15	229.00	-239.71	12.21	-0.20	-765.52	13.02	9.48
72	16	192.50	-350.90	-3.88	1.60	-1021.58	1.62	-17.63
72	16	210.75	-349.29	-3.88	1.60	-1021.58	1.37	-15.34
72	16	229.00	-313.87	7.90	0.23	-968.39	23.05	13.72
...								
72	203	229.00	-214.22	7.06	0.06	-672.12	14.72	9.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-351.03	-42.82	-19.38	-1156.03	-210.56	-195.71
			-152.56	47.79	21.97	-252.82	220.71	171.80

Macro	Tipo	Angolo 1-Z (gradi)
73	**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
73	1	192.50	-92.06	-7.03	2.18	121.56	0.04	-38.84
73	1	210.75	-95.17	-7.03	2.18	121.56	-0.07	-9.23
73	1	229.00	-79.51	16.94	-0.48	50.45	19.17	21.84
73	2	192.50	-122.27	-10.03	6.06	254.36	-38.08	-32.28
73	2	210.75	-126.69	-10.03	6.06	254.36	-38.01	-18.38
73	2	229.00	-110.05	21.02	0.11	127.18	26.88	21.74
73	3	192.50	-96.93	-7.42	2.41	132.25	-0.55	-40.41
73	3	210.75	-100.17	-7.42	2.41	132.25	-0.69	-10.00
73	3	229.00	-84.40	17.54	-0.62	60.75	19.64	23.12
73	4	192.50	-127.14	-10.42	6.29	265.05	-38.68	-33.85
73	4	210.75	-131.69	-10.42	6.29	265.05	-38.64	-19.15
73	4	229.00	-114.94	21.62	-0.03	137.48	27.35	23.03
73	5	192.50	-91.69	-6.99	2.16	119.21	0.21	-38.71
73	5	210.75	-94.80	-6.99	2.16	119.21	0.10	-9.16
73	5	229.00	-79.22	16.99	-0.48	48.94	19.12	21.83
73	6	192.50	-121.90	-9.99	6.04	252.02	-37.91	-32.15
73	6	210.75	-126.32	-9.99	6.04	252.02	-37.85	-18.30
73	6	229.00	-109.76	21.06	0.10	125.66	26.83	21.74
73	7	192.50	-96.56	-7.38	2.39	129.91	-0.39	-40.28
73	7	210.75	-99.80	-7.38	2.39	129.91	-0.52	-9.93
73	7	229.00	-84.12	17.59	-0.62	59.24	19.60	23.12
73	8	192.50	-126.77	-10.38	6.27	262.71	-38.51	-33.72
73	8	210.75	-131.32	-10.38	6.27	262.71	-38.47	-19.07
73	8	229.00	-114.65	21.66	-0.03	135.96	27.31	23.02
73	9	192.50	-104.23	-8.01	2.76	148.29	-1.45	-42.77
73	9	210.75	-107.68	-8.01	2.76	148.29	-1.63	-11.15
73	9	229.00	-91.74	18.44	-0.82	76.20	20.36	25.06
73	10	192.50	-134.44	-11.00	6.64	281.09	-39.57	-36.20
73	10	210.75	-139.20	-11.00	6.64	281.09	-39.57	-20.30
73	10	229.00	-122.28	22.52	-0.23	152.93	28.07	24.96
73	11	192.50	-109.10	-8.40	3.00	158.98	-2.05	-44.34
73	11	210.75	-112.68	-8.40	3.00	158.98	-2.25	-11.92
73	11	229.00	-96.63	19.04	-0.95	86.50	20.84	26.34
73	12	192.50	-139.31	-11.39	6.87	291.78	-40.17	-37.77
73	12	210.75	-144.20	-11.39	6.87	291.78	-40.20	-21.07
73	12	229.00	-127.17	23.12	-0.37	163.23	28.55	26.25
73	13	192.50	-103.86	-7.96	2.74	145.94	-1.28	-42.63
73	13	210.75	-107.31	-7.96	2.74	145.94	-1.46	-11.08
73	13	229.00	-91.45	18.48	-0.82	74.69	20.31	25.05
73	14	192.50	-134.07	-10.96	6.62	278.75	-39.41	-36.07
73	14	210.75	-138.83	-10.96	6.62	278.75	-39.40	-20.22
73	14	229.00	-121.99	22.56	-0.24	151.41	28.02	24.95
73	15	192.50	-108.73	-8.35	2.98	156.64	-1.88	-44.20
73	15	210.75	-112.31	-8.35	2.98	156.64	-2.08	-11.85
73	15	229.00	-96.35	19.08	-0.96	84.99	20.79	26.34
73	16	192.50	-138.94	-11.35	6.85	289.44	-40.00	-37.64
73	16	210.75	-143.83	-11.35	6.85	289.44	-40.03	-20.99
73	16	229.00	-126.88	23.16	-0.37	161.71	28.50	26.24
...								
73	203	229.00	-86.47	16.34	-0.31	98.37	19.73	19.15
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-155.85	-60.09	-7.91	-106.35	-128.23	-216.85
			-60.81	69.24	13.53	507.34	127.57	166.85

Macro	Tipo	Angolo 1-Z (gradi)
74	**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
74	1	192.50	-429.54	-4.36	4.58	477.06	-221.73	11.61
74	1	210.75	-438.30	-4.36	4.58	393.19	-220.82	12.29
74	1	229.00	-422.23	-4.38	14.03	411.40	-51.53	12.77
74	2	192.50	-605.44	-4.36	-1.45	477.06	-233.08	11.61
74	2	210.75	-621.29	-4.36	-1.45	393.19	-231.96	12.29
74	2	229.00	-603.31	-4.38	16.00	411.40	-99.73	12.77
74	3	192.50	-458.74	-4.36	4.13	477.06	-227.36	11.61
74	3	210.75	-468.09	-4.36	4.13	393.19	-226.42	12.29
74	3	229.00	-451.74	-4.38	14.46	411.40	-57.40	12.77
74	4	192.50	-634.65	-4.36	-1.90	477.06	-238.71	11.61
74	4	210.75	-651.07	-4.36	-1.90	393.19	-237.56	12.29
74	4	229.00	-632.82	-4.38	16.42	411.40	-105.60	12.77

74	5	192.50	-429.86	-4.36	4.58	477.06	-221.73	11.61
74	5	210.75	-438.44	-4.36	4.58	393.19	-220.83	12.29
74	5	229.00	-422.31	-4.38	14.03	411.40	-51.56	12.77
74	6	192.50	-605.77	-4.36	-1.45	477.06	-233.08	11.61
74	6	210.75	-621.43	-4.36	-1.45	393.19	-231.97	12.29
74	6	229.00	-603.39	-4.38	16.00	411.40	-99.76	12.77
74	7	192.50	-459.07	-4.36	4.13	477.06	-227.36	11.61
74	7	210.75	-468.22	-4.36	4.13	393.19	-226.43	12.29
74	7	229.00	-451.82	-4.38	14.46	411.40	-57.43	12.77
74	8	192.50	-634.97	-4.36	-1.90	477.06	-238.71	11.61
74	8	210.75	-651.21	-4.36	-1.90	393.19	-237.56	12.29
74	8	229.00	-632.90	-4.38	16.42	411.40	-105.63	12.77
74	9	192.50	-502.55	-4.36	3.45	477.06	-235.79	11.61
74	9	210.75	-512.76	-4.36	3.45	393.19	-234.82	12.29
74	9	229.00	-496.00	-4.38	15.09	411.40	-66.20	12.77
74	10	192.50	-678.46	-4.36	-2.58	477.06	-247.14	11.61
74	10	210.75	-695.74	-4.36	-2.58	393.19	-245.96	12.29
74	10	229.00	-677.07	-4.38	17.06	411.40	-114.40	12.77
74	11	192.50	-531.76	-4.36	2.99	477.06	-241.42	11.61
74	11	210.75	-542.54	-4.36	2.99	393.19	-240.42	12.29
74	11	229.00	-525.50	-4.38	15.52	411.40	-72.06	12.77
74	12	192.50	-707.66	-4.36	-3.03	477.06	-252.77	11.61
74	12	210.75	-725.52	-4.36	-3.03	393.19	-251.56	12.29
74	12	229.00	-706.58	-4.38	17.48	411.40	-120.26	12.77
74	13	192.50	-502.88	-4.36	3.45	477.06	-235.79	11.61
74	13	210.75	-512.90	-4.36	3.45	393.19	-234.82	12.29
74	13	229.00	-496.08	-4.38	15.09	411.40	-66.23	12.77
74	14	192.50	-678.78	-4.36	-2.58	477.06	-247.14	11.61
74	14	210.75	-695.88	-4.36	-2.58	393.19	-245.96	12.29
74	14	229.00	-677.16	-4.38	17.06	411.40	-114.43	12.77
74	15	192.50	-532.08	-4.36	2.99	477.06	-241.42	11.61
74	15	210.75	-542.68	-4.36	2.99	393.19	-240.42	12.29
74	15	229.00	-525.58	-4.38	15.52	411.40	-72.09	12.77
74	16	192.50	-707.99	-4.36	-3.03	477.06	-252.77	11.61
74	16	210.75	-725.66	-4.36	-3.03	393.19	-251.56	12.29
74	16	229.00	-706.66	-4.38	17.48	411.40	-120.29	12.77
...								
74	203	229.00	-476.48	-3.37	12.63	316.46	-76.31	9.82
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-840.44	-343.12	-4.09	-1.064e+04	-264.61	-623.95
			-142.30	338.04	20.25	1.126e+04	-39.63	646.95

Macro	Tipo	Angolo 1-Z (gradi)
77	**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
77	1	192.50	-228.11	17.93	-9.97	-1129.73	137.59	-111.08
77	1	210.75	-231.25	17.93	-9.97	-1129.73	134.63	15.99
77	1	229.00	-209.46	0.40	-10.05	-1019.75	-41.34	39.56
77	2	192.50	-294.69	25.62	-12.89	-1515.91	177.51	-119.15
77	2	210.75	-299.12	25.62	-12.89	-1515.91	174.51	19.36
77	2	229.00	-272.51	0.88	-13.43	-1337.82	-53.83	45.26
77	3	192.50	-237.79	18.47	-10.01	-1176.79	137.88	-111.24
77	3	210.75	-241.07	18.47	-10.01	-1176.79	134.89	16.20
77	3	229.00	-219.05	0.08	-10.18	-1065.83	-42.45	39.83
77	4	192.50	-304.37	26.15	-12.94	-1562.97	177.80	-119.31
77	4	210.75	-308.94	26.15	-12.94	-1562.97	174.77	19.57
77	4	229.00	-282.10	0.56	-13.56	-1383.90	-54.94	45.52
77	5	192.50	-228.21	17.96	-9.96	-1130.48	137.52	-111.08
77	5	210.75	-231.36	17.96	-9.96	-1130.48	134.56	15.96
77	5	229.00	-209.52	0.44	-10.04	-1020.45	-41.26	39.56
77	6	192.50	-294.79	25.64	-12.88	-1516.66	177.44	-119.15
77	6	210.75	-299.23	25.64	-12.88	-1516.66	174.44	19.33
77	6	229.00	-272.58	0.93	-13.42	-1338.51	-53.75	45.25
77	7	192.50	-237.89	18.49	-10.01	-1177.54	137.81	-111.24
77	7	210.75	-241.18	18.49	-10.01	-1177.54	134.82	16.18
77	7	229.00	-219.11	0.13	-10.16	-1066.52	-42.37	39.82
77	8	192.50	-304.48	26.18	-12.93	-1563.72	177.73	-119.31
77	8	210.75	-309.05	26.18	-12.93	-1563.72	174.70	19.55
77	8	229.00	-282.17	0.61	-13.55	-1384.59	-54.86	45.52
77	9	192.50	-252.31	19.28	-10.09	-1247.38	138.32	-111.48
77	9	210.75	-255.79	19.28	-10.09	-1247.38	135.28	16.53
77	9	229.00	-233.43	-0.39	-10.37	-1134.95	-44.11	40.23
77	10	192.50	-318.89	26.96	-13.01	-1633.56	178.23	-119.55
77	10	210.75	-323.66	26.96	-13.01	-1633.56	175.16	19.90
77	10	229.00	-296.49	0.09	-13.75	-1453.02	-56.60	45.93
77	11	192.50	-261.99	19.82	-10.13	-1294.44	138.61	-111.64
77	11	210.75	-265.61	19.82	-10.13	-1294.44	135.54	16.75
77	11	229.00	-243.02	-0.71	-10.49	-1181.03	-45.22	40.50
77	12	192.50	-328.57	27.50	-13.05	-1680.62	178.53	-119.71
77	12	210.75	-333.48	27.50	-13.05	-1680.62	175.43	20.12
77	12	229.00	-306.08	-0.23	-13.88	-1499.09	-57.71	46.19
77	13	192.50	-252.42	19.30	-10.08	-1248.13	138.25	-111.48
77	13	210.75	-255.90	19.30	-10.08	-1248.13	135.21	16.51
77	13	229.00	-233.50	-0.35	-10.36	-1135.64	-44.04	40.23
77	14	192.50	-319.00	26.98	-13.00	-1634.31	178.16	-119.55
77	14	210.75	-323.77	26.98	-13.00	-1634.31	175.09	19.88
77	14	229.00	-296.55	0.13	-13.74	-1453.71	-56.53	45.92
77	15	192.50	-262.10	19.84	-10.13	-1295.19	138.54	-111.64
77	15	210.75	-265.72	19.84	-10.13	-1295.19	135.47	16.72
77	15	229.00	-243.09	-0.67	-10.48	-1181.72	-45.15	40.49
77	16	192.50	-328.68	27.52	-13.05	-1681.37	178.45	-119.71

77	16	210.75	-333.59	27.52	-13.05	-1681.37	175.36	20.09
77	16	229.00	-306.14	-0.18	-13.87	-1499.79	-57.63	46.19
...								
77	203	229.00	-212.68	-0.01	-9.77	-1040.34	-40.50	33.97
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-333.62	-35.00	-33.63	-1681.62	-230.65	-136.68
			-161.09	53.46	13.57	-730.56	321.42	100.42

Macro	Tipo	Angolo 1-Z (gradi)
78	**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
78	1	192.50	-314.37	-19.38	-0.62	-366.04	-8.89	13.11
78	1	210.75	-311.55	-19.38	-0.62	-366.04	-8.58	7.25
78	1	229.00	-310.43	-29.28	-1.03	-615.53	-21.16	-6.71
78	2	192.50	-412.11	-16.37	-1.56	-521.36	-5.89	14.11
78	2	210.75	-409.01	-16.37	-1.56	-521.36	-5.65	10.59
78	2	229.00	-409.31	-29.58	-2.06	-732.19	-34.08	-6.82
78	3	192.50	-330.34	-19.17	-0.71	-388.39	-8.31	13.03
78	3	210.75	-327.44	-19.17	-0.71	-388.39	-8.01	7.47
78	3	229.00	-326.46	-29.58	-1.13	-637.82	-22.15	-6.59
78	4	192.50	-428.09	-16.16	-1.65	-543.71	-5.31	14.02
78	4	210.75	-424.90	-16.16	-1.65	-543.71	-5.08	10.81
78	4	229.00	-425.33	-29.89	-2.16	-754.48	-35.08	-6.71
78	5	192.50	-314.47	-19.35	-0.61	-366.59	-8.98	13.09
78	5	210.75	-311.65	-19.35	-0.61	-366.59	-8.67	7.24
78	5	229.00	-310.51	-29.25	-1.02	-615.99	-21.07	-6.71
78	6	192.50	-412.22	-16.35	-1.54	-521.91	-5.98	14.09
78	6	210.75	-409.11	-16.35	-1.54	-521.91	-5.74	10.58
78	6	229.00	-409.39	-29.55	-2.05	-732.65	-33.99	-6.82
78	7	192.50	-330.44	-19.14	-0.70	-388.94	-8.40	13.01
78	7	210.75	-327.54	-19.14	-0.70	-388.94	-8.10	7.46
78	7	229.00	-326.54	-29.56	-1.12	-638.28	-22.06	-6.60
78	8	192.50	-428.19	-16.13	-1.63	-544.26	-5.40	14.01
78	8	210.75	-425.00	-16.13	-1.63	-544.26	-5.16	10.81
78	8	229.00	-425.42	-29.86	-2.15	-754.94	-34.98	-6.71
78	9	192.50	-354.30	-18.85	-0.85	-421.91	-7.44	12.91
78	9	210.75	-351.28	-18.85	-0.85	-421.91	-7.15	7.81
78	9	229.00	-350.50	-30.05	-1.28	-671.25	-23.64	-6.42
78	10	192.50	-452.05	-15.84	-1.78	-577.23	-4.43	13.90
78	10	210.75	-448.74	-15.84	-1.78	-577.23	-4.22	11.15
78	10	229.00	-449.37	-30.35	-2.32	-787.91	-36.56	-6.54
78	11	192.50	-370.28	-18.64	-0.94	-444.25	-6.85	12.82
78	11	210.75	-367.17	-18.64	-0.94	-444.25	-6.57	8.03
78	11	229.00	-366.52	-30.35	-1.39	-693.54	-24.63	-6.31
78	12	192.50	-468.02	-15.63	-1.87	-599.57	-3.85	13.82
78	12	210.75	-464.63	-15.63	-1.87	-599.57	-3.64	11.38
78	12	229.00	-465.40	-30.66	-2.42	-810.20	-37.56	-6.42
78	13	192.50	-354.40	-18.82	-0.83	-422.46	-7.53	12.89
78	13	210.75	-351.38	-18.82	-0.83	-422.46	-7.24	7.80
78	13	229.00	-350.58	-30.02	-1.27	-671.71	-23.55	-6.43
78	14	192.50	-452.15	-15.82	-1.77	-577.77	-4.52	13.88
78	14	210.75	-448.84	-15.82	-1.77	-577.77	-4.30	11.14
78	14	229.00	-449.46	-30.33	-2.31	-788.37	-36.47	-6.54
78	15	192.50	-370.38	-18.61	-0.93	-444.80	-6.94	12.81
78	15	210.75	-367.27	-18.61	-0.93	-444.80	-6.66	8.03
78	15	229.00	-366.61	-30.33	-1.38	-694.00	-24.54	-6.32
78	16	192.50	-468.13	-15.60	-1.86	-600.12	-3.94	13.80
78	16	210.75	-464.73	-15.60	-1.86	-600.12	-3.73	11.37
78	16	229.00	-465.48	-30.63	-2.41	-810.66	-37.47	-6.43
...								
78	203	229.00	-321.48	-23.25	-1.53	-577.49	-24.99	-5.01
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-468.16	-50.62	-35.37	-810.81	-297.57	-90.53
			-221.63	15.37	31.63	-67.92	274.72	105.65

Macro	Tipo	Angolo 1-Z (gradi)
79	**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
79	1	192.50	-321.12	-15.01	-1.08	-385.55	11.82	-1.48
79	1	210.75	-318.15	-15.01	-1.08	-385.55	11.94	3.83
79	1	229.00	-314.24	-25.10	-1.06	-614.32	-5.49	2.50
79	2	192.50	-422.23	-11.04	-1.54	-545.68	16.64	-1.45
79	2	210.75	-418.92	-11.04	-1.54	-545.68	16.81	5.50
79	2	229.00	-415.77	-24.56	-1.54	-732.74	-8.28	3.16
79	3	192.50	-337.59	-14.76	-1.11	-408.82	12.15	-1.44
79	3	210.75	-334.54	-14.76	-1.11	-408.82	12.27	3.97
79	3	229.00	-330.74	-25.39	-1.10	-637.45	-5.78	2.52
79	4	192.50	-438.69	-10.80	-1.58	-568.95	16.97	-1.42
79	4	210.75	-435.30	-10.80	-1.58	-568.95	17.14	5.64
79	4	229.00	-432.27	-24.85	-1.58	-755.87	-8.57	3.17
79	5	192.50	-321.09	-15.04	-1.07	-385.03	11.80	-1.50
79	5	210.75	-318.12	-15.04	-1.07	-385.03	11.92	3.84

79	5	229.00	-314.22	-25.12	-1.06	-613.95	-5.46	2.50
79	6	192.50	-422.19	-11.07	-1.54	-545.17	16.62	-1.48
79	6	210.75	-418.88	-11.07	-1.54	-545.17	16.79	5.51
79	6	229.00	-415.75	-24.59	-1.53	-732.37	-8.25	3.15
79	7	192.50	-337.56	-14.79	-1.11	-408.30	12.13	-1.47
79	7	210.75	-334.50	-14.79	-1.11	-408.30	12.26	3.97
79	7	229.00	-330.72	-25.42	-1.09	-637.08	-5.75	2.52
79	8	192.50	-438.66	-10.83	-1.58	-568.43	16.95	-1.44
79	8	210.75	-435.27	-10.83	-1.58	-568.43	17.13	5.64
79	8	229.00	-432.25	-24.88	-1.57	-755.50	-8.54	3.17
79	9	192.50	-362.30	-14.39	-1.17	-443.72	12.65	-1.39
79	9	210.75	-359.11	-14.39	-1.17	-443.72	12.78	4.17
79	9	229.00	-355.49	-25.83	-1.16	-672.14	-6.20	2.55
79	10	192.50	-463.40	-10.43	-1.64	-603.85	17.47	-1.37
79	10	210.75	-459.88	-10.43	-1.64	-603.85	17.65	5.84
79	10	229.00	-457.03	-25.29	-1.63	-790.56	-8.99	3.20
79	11	192.50	-378.77	-14.15	-1.21	-466.98	12.99	-1.35
79	11	210.75	-375.50	-14.15	-1.21	-466.98	13.12	4.31
79	11	229.00	-371.99	-26.12	-1.19	-695.27	-6.49	2.57
79	12	192.50	-479.87	-10.18	-1.67	-627.12	17.81	-1.33
79	12	210.75	-476.26	-10.18	-1.67	-627.12	17.99	5.98
79	12	229.00	-473.53	-25.58	-1.67	-813.69	-9.27	3.22
79	13	192.50	-362.26	-14.42	-1.17	-443.20	12.63	-1.41
79	13	210.75	-359.07	-14.42	-1.17	-443.20	12.76	4.17
79	13	229.00	-355.47	-25.86	-1.15	-671.77	-6.17	2.55
79	14	192.50	-463.36	-10.46	-1.63	-603.33	17.45	-1.39
79	14	210.75	-459.84	-10.46	-1.63	-603.33	17.63	5.84
79	14	229.00	-457.01	-25.32	-1.63	-790.19	-8.96	3.20
79	15	192.50	-378.73	-14.18	-1.20	-466.47	12.97	-1.38
79	15	210.75	-375.46	-14.18	-1.20	-466.47	13.10	4.31
79	15	229.00	-371.98	-26.15	-1.19	-694.90	-6.46	2.57
79	16	192.50	-479.83	-10.21	-1.67	-626.60	17.79	-1.36
79	16	210.75	-476.22	-10.21	-1.67	-626.60	17.97	5.98
79	16	229.00	-473.51	-25.61	-1.67	-813.32	-9.24	3.22
...								
79	203	229.00	-326.67	-19.58	-1.14	-578.74	-6.23	2.31
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-479.88	-41.14	-31.63	-897.86	-247.42	-80.86
			-233.35	12.64	30.47	7.50	252.53	83.83

Macro	Tipo	Angolo 1-Z (gradi)
80	**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
80	1	192.50	-324.35	-14.53	-0.79	-392.94	5.36	1.04
80	1	210.75	-321.35	-14.53	-0.79	-392.94	5.43	2.94
80	1	229.00	-317.00	-24.67	-0.80	-622.08	-7.47	-0.14
80	2	192.50	-426.90	-10.26	-0.92	-554.64	6.05	1.27
80	2	210.75	-423.54	-10.26	-0.92	-554.64	6.13	3.53
80	2	229.00	-419.72	-23.87	-0.93	-741.61	-8.90	-0.15
80	3	192.50	-340.97	-14.26	-0.80	-416.55	5.43	1.05
80	3	210.75	-337.87	-14.26	-0.80	-416.55	5.50	2.98
80	3	229.00	-333.63	-24.95	-0.81	-645.51	-7.57	-0.13
80	4	192.50	-443.52	-10.00	-0.93	-578.25	6.13	1.28
80	4	210.75	-440.07	-10.00	-0.93	-578.25	6.21	3.57
80	4	229.00	-436.35	-24.14	-0.95	-765.03	-9.00	-0.14
80	5	192.50	-324.18	-14.59	-0.79	-391.84	5.36	1.03
80	5	210.75	-321.18	-14.59	-0.79	-391.84	5.43	2.94
80	5	229.00	-316.87	-24.74	-0.80	-621.24	-7.47	-0.14
80	6	192.50	-426.73	-10.33	-0.92	-553.53	6.06	1.26
80	6	210.75	-423.37	-10.33	-0.92	-553.53	6.14	3.53
80	6	229.00	-419.60	-23.93	-0.93	-740.76	-8.90	-0.15
80	7	192.50	-340.80	-14.32	-0.80	-415.44	5.44	1.04
80	7	210.75	-337.71	-14.32	-0.80	-415.44	5.51	2.98
80	7	229.00	-333.50	-25.01	-0.81	-644.66	-7.57	-0.13
80	8	192.50	-443.35	-10.06	-0.93	-577.14	6.13	1.28
80	8	210.75	-439.90	-10.06	-0.93	-577.14	6.21	3.57
80	8	229.00	-436.23	-24.21	-0.95	-764.19	-9.00	-0.14
80	9	192.50	-365.89	-13.86	-0.82	-451.95	5.54	1.07
80	9	210.75	-362.66	-13.86	-0.82	-451.95	5.61	3.05
80	9	229.00	-358.57	-25.36	-0.83	-680.64	-7.73	-0.12
80	10	192.50	-468.44	-9.59	-0.95	-613.65	6.24	1.30
80	10	210.75	-464.86	-9.59	-0.95	-613.65	6.32	3.63
80	10	229.00	-461.30	-24.55	-0.96	-800.17	-9.16	-0.13
80	11	192.50	-382.51	-13.59	-0.83	-475.56	5.62	1.08
80	11	210.75	-379.19	-13.59	-0.83	-475.55	5.69	3.09
80	11	229.00	-375.20	-25.63	-0.84	-704.07	-7.83	-0.12
80	12	192.50	-485.05	-9.33	-0.96	-637.25	6.31	1.31
80	12	210.75	-481.38	-9.33	-0.96	-637.25	6.39	3.68
80	12	229.00	-477.93	-24.83	-0.97	-823.59	-9.26	-0.13
80	13	192.50	-365.72	-13.92	-0.82	-450.84	5.55	1.06
80	13	210.75	-362.50	-13.92	-0.82	-450.84	5.62	3.05
80	13	229.00	-358.45	-25.42	-0.83	-679.80	-7.73	-0.12
80	14	192.50	-468.27	-9.66	-0.94	-612.54	6.24	1.29
80	14	210.75	-464.69	-9.66	-0.94	-612.54	6.32	3.64
80	14	229.00	-461.17	-24.62	-0.96	-799.32	-9.16	-0.13
80	15	192.50	-382.34	-13.65	-0.83	-474.45	5.62	1.07
80	15	210.75	-379.02	-13.65	-0.83	-474.45	5.69	3.09
80	15	229.00	-375.08	-25.70	-0.84	-703.22	-7.83	-0.12
80	16	192.50	-484.88	-9.39	-0.96	-636.14	6.32	1.31
80	16	210.75	-481.22	-9.39	-0.96	-636.14	6.40	3.68
80	16	229.00	-477.80	-24.89	-0.97	-822.75	-9.26	-0.13

...								
80	203	229.00	-329.63	-19.09	-0.71	-585.67	-6.70	-0.10
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-485.11	-34.82	-31.03	-942.08	-244.30	-78.87
			-243.69	9.62	30.96	-15.76	243.05	75.95

Macro	Tipo	Angolo 1-Z (gradi)
81	**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
81	1	192.50	-328.69	-14.33	-0.81	-404.31	6.98	-0.36
81	1	210.75	-325.66	-14.33	-0.81	-404.31	6.97	1.48
81	1	229.00	-321.24	-24.59	-0.80	-632.81	-6.19	0.18
81	2	192.50	-431.24	-10.06	-0.68	-566.01	6.28	-0.60
81	2	210.75	-427.86	-10.06	-0.68	-566.01	6.26	0.89
81	2	229.00	-423.97	-23.79	-0.66	-752.33	-4.76	0.19
81	3	192.50	-345.31	-14.06	-0.80	-427.91	6.90	-0.37
81	3	210.75	-342.19	-14.06	-0.80	-427.91	6.89	1.44
81	3	229.00	-337.87	-24.87	-0.79	-656.23	-6.08	0.17
81	4	192.50	-447.86	-9.80	-0.67	-589.61	6.21	-0.61
81	4	210.75	-444.38	-9.80	-0.67	-589.61	6.19	0.85
81	4	229.00	-440.60	-24.06	-0.65	-775.76	-4.65	0.18
81	5	192.50	-328.52	-14.39	-0.81	-403.20	6.97	-0.35
81	5	210.75	-325.49	-14.39	-0.81	-403.20	6.96	1.48
81	5	229.00	-321.12	-24.66	-0.80	-631.96	-6.19	0.18
81	6	192.50	-431.07	-10.13	-0.68	-564.90	6.28	-0.59
81	6	210.75	-427.69	-10.13	-0.68	-564.90	6.26	0.89
81	6	229.00	-423.84	-23.85	-0.66	-751.49	-4.76	0.19
81	7	192.50	-345.14	-14.12	-0.80	-426.80	6.90	-0.37
81	7	210.75	-342.02	-14.12	-0.80	-426.80	6.89	1.43
81	7	229.00	-337.75	-24.93	-0.79	-655.39	-6.08	0.17
81	8	192.50	-447.69	-9.86	-0.67	-588.50	6.20	-0.60
81	8	210.75	-444.21	-9.86	-0.67	-588.50	6.18	0.85
81	8	229.00	-440.47	-24.13	-0.65	-774.91	-4.65	0.18
81	9	192.50	-370.23	-13.66	-0.78	-463.32	6.79	-0.39
81	9	210.75	-366.98	-13.66	-0.78	-463.32	6.78	1.37
81	9	229.00	-362.82	-25.28	-0.77	-691.37	-5.93	0.16
81	10	192.50	-472.78	-9.39	-0.65	-625.02	6.09	-0.63
81	10	210.75	-469.17	-9.39	-0.65	-625.02	6.08	0.78
81	10	229.00	-465.54	-24.47	-0.63	-810.89	-4.50	0.17
81	11	192.50	-386.85	-13.39	-0.77	-486.92	6.72	-0.40
81	11	210.75	-383.51	-13.39	-0.77	-486.92	6.71	1.33
81	11	229.00	-379.45	-25.55	-0.76	-714.79	-5.82	0.16
81	12	192.50	-489.40	-9.13	-0.64	-648.62	6.02	-0.64
81	12	210.75	-485.70	-9.13	-0.64	-648.62	6.00	0.74
81	12	229.00	-482.17	-24.75	-0.62	-834.32	-4.39	0.17
81	13	192.50	-370.06	-13.72	-0.78	-462.21	6.79	-0.38
81	13	210.75	-366.81	-13.72	-0.78	-462.21	6.77	1.37
81	13	229.00	-362.69	-25.34	-0.77	-690.52	-5.93	0.17
81	14	192.50	-472.61	-9.46	-0.65	-623.91	6.09	-0.62
81	14	210.75	-469.00	-9.46	-0.65	-623.91	6.07	0.78
81	14	229.00	-465.42	-24.54	-0.63	-810.05	-4.50	0.18
81	15	192.50	-386.68	-13.45	-0.77	-485.81	6.71	-0.40
81	15	210.75	-383.34	-13.45	-0.77	-485.81	6.70	1.32
81	15	229.00	-379.32	-25.62	-0.76	-713.95	-5.82	0.16
81	16	192.50	-489.23	-9.19	-0.64	-647.51	6.02	-0.63
81	16	210.75	-485.53	-9.19	-0.64	-647.51	6.00	0.74
81	16	229.00	-482.05	-24.81	-0.62	-833.47	-4.39	0.17
...								
81	203	229.00	-332.89	-19.02	-0.52	-593.92	-3.80	0.13
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-489.45	-34.81	-32.39	-951.36	-255.13	-72.85
			-246.96	9.85	29.79	-23.61	255.34	82.84

Macro	Tipo	Angolo 1-Z (gradi)
82	**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
82	1	192.50	-341.74	-16.70	-0.16	-433.94	-2.40	2.04
82	1	210.75	-338.67	-16.70	-0.16	-433.94	-2.48	-0.42
82	1	229.00	-336.25	-27.48	-0.17	-671.96	-5.24	-2.60
82	2	192.50	-442.84	-12.73	0.30	-594.08	-7.22	2.01
82	2	210.75	-439.43	-12.73	0.30	-594.08	-7.35	-2.09
82	2	229.00	-437.78	-26.94	0.31	-790.38	-2.45	-3.25
82	3	192.50	-358.21	-16.45	-0.13	-457.21	-2.74	2.00
82	3	210.75	-355.05	-16.45	-0.13	-457.21	-2.81	-0.56
82	3	229.00	-352.75	-27.77	-0.13	-695.09	-4.96	-2.62
82	4	192.50	-459.31	-12.49	0.34	-617.34	-7.56	1.98
82	4	210.75	-455.82	-12.49	0.34	-617.34	-7.68	-2.23
82	4	229.00	-454.28	-27.23	0.34	-813.51	-2.17	-3.27
82	5	192.50	-341.70	-16.73	-0.17	-433.43	-2.39	2.06
82	5	210.75	-338.63	-16.73	-0.17	-433.43	-2.46	-0.43
82	5	229.00	-336.23	-27.51	-0.18	-671.59	-5.27	-2.60
82	6	192.50	-442.80	-12.76	0.30	-593.56	-7.21	2.04

82	6	210.75	-439.39	-12.76	0.30	-593.56	-7.33	-2.10
82	6	229.00	-437.76	-26.97	0.30	-790.01	-2.48	-3.25
82	7	192.50	-358.17	-16.48	-0.13	-456.69	-2.72	2.03
82	7	210.75	-355.01	-16.48	-0.13	-456.69	-2.80	-0.56
82	7	229.00	-352.73	-27.80	-0.14	-694.72	-4.99	-2.61
82	8	192.50	-459.27	-12.51	0.34	-616.83	-7.54	2.00
82	8	210.75	-455.78	-12.51	0.34	-616.83	-7.67	-2.23
82	8	229.00	-454.26	-27.26	0.34	-813.14	-2.20	-3.27
82	9	192.50	-382.91	-16.08	-0.07	-492.11	-3.24	1.95
82	9	210.75	-379.62	-16.08	-0.07	-492.11	-3.32	-0.76
82	9	229.00	-377.50	-28.21	-0.08	-729.79	-4.53	-2.65
82	10	192.50	-484.01	-12.12	0.40	-652.24	-8.06	1.93
82	10	210.75	-480.39	-12.12	0.40	-652.24	-8.19	-2.43
82	10	229.00	-479.04	-27.67	0.40	-848.20	-1.74	-3.30
82	11	192.50	-399.38	-15.84	-0.03	-515.38	-3.57	1.91
82	11	210.75	-396.01	-15.84	-0.03	-515.38	-3.66	-0.90
82	11	229.00	-394.00	-28.51	-0.04	-752.91	-4.25	-2.67
82	12	192.50	-500.48	-11.87	0.43	-675.51	-8.39	1.89
82	12	210.75	-496.77	-11.87	0.43	-675.51	-8.53	-2.57
82	12	229.00	-495.54	-27.97	0.44	-871.33	-1.46	-3.32
82	13	192.50	-382.87	-16.11	-0.07	-491.59	-3.22	1.97
82	13	210.75	-379.59	-16.11	-0.07	-491.59	-3.30	-0.77
82	13	229.00	-377.48	-28.24	-0.08	-729.41	-4.56	-2.64
82	14	192.50	-483.97	-12.14	0.39	-651.73	-8.04	1.95
82	14	210.75	-480.35	-12.14	0.39	-651.73	-8.17	-2.44
82	14	229.00	-479.02	-27.70	0.40	-847.83	-1.77	-3.30
82	15	192.50	-399.34	-15.86	-0.04	-514.86	-3.55	1.94
82	15	210.75	-395.97	-15.86	-0.04	-514.86	-3.64	-0.90
82	15	229.00	-393.99	-28.53	-0.04	-752.54	-4.28	-2.66
82	16	192.50	-500.44	-11.90	0.43	-674.99	-8.37	1.91
82	16	210.75	-496.74	-11.90	0.43	-674.99	-8.51	-2.57
82	16	229.00	-495.52	-28.00	0.44	-870.96	-1.49	-3.32
...								
82	203	229.00	-343.60	-21.41	0.19	-623.08	-2.02	-2.38
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-500.49	-43.09	-31.61	-945.97	-254.65	-81.78
			-247.97	11.44	30.87	-25.03	247.15	84.06

Macro	Tipo	Angolo 1-Z (gradi)
83	**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
83	1	192.50	-337.05	-20.90	0.33	-422.56	11.51	-12.67
83	1	210.75	-334.10	-20.90	0.33	-422.56	11.23	-5.92
83	1	229.00	-334.39	-31.52	0.77	-680.62	19.46	7.36
83	2	192.50	-434.79	-17.89	1.26	-577.88	8.51	-13.66
83	2	210.75	-431.56	-17.89	1.26	-577.88	8.30	-9.26
83	2	229.00	-433.27	-31.82	1.80	-797.28	32.38	7.47
83	3	192.50	-353.02	-20.69	0.42	-444.91	10.93	-12.58
83	3	210.75	-349.99	-20.69	0.42	-444.91	10.66	-6.14
83	3	229.00	-350.42	-31.83	0.87	-702.91	20.45	7.24
83	4	192.50	-450.77	-17.68	1.36	-600.23	7.93	-13.58
83	4	210.75	-447.46	-17.68	1.36	-600.23	7.72	-9.49
83	4	229.00	-449.30	-32.13	1.90	-819.57	33.37	7.36
83	5	192.50	-337.15	-20.87	0.32	-423.11	11.60	-12.65
83	5	210.75	-334.20	-20.87	0.32	-423.11	11.32	-5.91
83	5	229.00	-334.48	-31.49	0.76	-681.08	19.37	7.36
83	6	192.50	-434.89	-17.87	1.25	-578.43	8.60	-13.64
83	6	210.75	-431.66	-17.87	1.25	-578.43	8.38	-9.25
83	6	229.00	-433.35	-31.80	1.79	-797.74	32.29	7.47
83	7	192.50	-353.12	-20.66	0.41	-445.46	11.02	-12.57
83	7	210.75	-350.10	-20.66	0.41	-445.46	10.74	-6.14
83	7	229.00	-350.50	-31.80	0.86	-703.36	20.36	7.25
83	8	192.50	-450.87	-17.65	1.34	-600.78	8.02	-13.56
83	8	210.75	-447.56	-17.65	1.34	-600.78	7.81	-9.48
83	8	229.00	-449.38	-32.11	1.89	-820.02	33.28	7.36
83	9	192.50	-376.98	-20.37	0.56	-478.43	10.06	-12.46
83	9	210.75	-373.83	-20.37	0.56	-478.43	9.80	-6.48
83	9	229.00	-374.46	-32.29	1.02	-736.34	21.94	7.07
83	10	192.50	-474.73	-17.36	1.49	-633.75	7.05	-13.46
83	10	210.75	-471.29	-17.36	1.49	-633.75	6.86	-9.82
83	10	229.00	-473.34	-32.59	2.06	-853.00	34.86	7.19
83	11	192.50	-392.96	-20.16	0.65	-500.77	9.47	-12.38
83	11	210.75	-389.72	-20.16	0.65	-500.77	9.22	-6.71
83	11	229.00	-390.49	-32.60	1.13	-758.63	22.93	6.96
83	12	192.50	-490.70	-17.15	1.58	-656.09	6.47	-13.38
83	12	210.75	-487.19	-17.15	1.58	-656.09	6.29	-10.05
83	12	229.00	-489.36	-32.90	2.16	-875.29	35.86	7.07
83	13	192.50	-377.08	-20.34	0.54	-478.98	10.15	-12.44
83	13	210.75	-373.93	-20.34	0.54	-478.98	9.88	-6.47
83	13	229.00	-374.54	-32.26	1.01	-736.80	21.85	7.08
83	14	192.50	-474.83	-17.34	1.48	-634.29	7.14	-13.44
83	14	210.75	-471.39	-17.34	1.48	-634.29	6.95	-9.82
83	14	229.00	-473.42	-32.57	2.05	-853.46	34.77	7.19
83	15	192.50	-393.06	-20.13	0.63	-501.32	9.56	-12.36
83	15	210.75	-389.83	-20.13	0.63	-501.32	9.31	-6.70
83	15	229.00	-390.57	-32.57	1.12	-759.09	22.84	6.96
83	16	192.50	-490.80	-17.12	1.57	-656.64	6.56	-13.36
83	16	210.75	-487.29	-17.12	1.57	-656.64	6.38	-10.04
83	16	229.00	-489.45	-32.88	2.15	-875.75	35.76	7.08
...								
83	203	229.00	-339.91	-24.97	1.33	-627.55	23.68	5.51

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-490.84	-52.58	-32.49	-875.90	-277.36	-106.35
	-237.19	14.41	35.74	-104.26	300.92	93.50

Macro	Tipo	Angolo 1-Z (gradi)
84	**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
84	1	192.50	-237.33	18.84	10.09	-1182.15	-137.74	111.51
84	1	210.75	-240.50	18.84	10.09	-1182.15	-134.78	-15.57
84	1	229.00	-218.09	1.20	10.11	-1065.47	42.95	-38.81
84	2	192.50	-303.91	26.52	13.01	-1568.33	-177.66	119.58
84	2	210.75	-308.37	26.52	13.01	-1568.33	-174.66	-18.94
84	2	229.00	-281.14	1.68	13.50	-1383.54	55.44	-44.51
84	3	192.50	-247.01	19.38	10.14	-1229.20	-138.03	111.67
84	3	210.75	-250.31	19.38	10.14	-1229.20	-135.04	-15.79
84	3	229.00	-227.68	0.88	10.24	-1111.55	44.06	-39.08
84	4	192.50	-313.59	27.06	13.06	-1615.38	-177.95	119.74
84	4	210.75	-318.18	27.06	13.06	-1615.38	-174.92	-19.16
84	4	229.00	-290.73	1.37	13.62	-1429.62	56.55	-44.78
84	5	192.50	-237.43	18.86	10.08	-1182.90	-137.67	111.52
84	5	210.75	-240.60	18.86	10.08	-1182.90	-134.71	-15.55
84	5	229.00	-218.15	1.25	10.10	-1066.16	42.87	-38.81
84	6	192.50	-304.01	26.55	13.00	-1569.08	-177.58	119.59
84	6	210.75	-308.47	26.55	13.00	-1569.08	-174.59	-18.92
84	6	229.00	-281.21	1.73	13.49	-1384.23	55.36	-44.50
84	7	192.50	-247.11	19.40	10.13	-1229.96	-137.96	111.68
84	7	210.75	-250.42	19.40	10.13	-1229.96	-134.97	-15.77
84	7	229.00	-227.74	0.93	10.23	-1112.24	43.98	-39.08
84	8	192.50	-313.69	27.08	13.05	-1616.14	-177.88	119.74
84	8	210.75	-318.29	27.08	13.05	-1616.14	-174.85	-19.14
84	8	229.00	-290.80	1.41	13.61	-1430.31	56.47	-44.77
84	9	192.50	-261.53	20.19	10.21	-1299.79	-138.47	111.91
84	9	210.75	-265.04	20.19	10.21	-1299.79	-135.43	-16.12
84	9	229.00	-242.06	0.41	10.43	-1180.67	45.72	-39.48
84	10	192.50	-328.11	27.87	13.13	-1685.97	-178.38	119.98
84	10	210.75	-332.91	27.87	13.13	-1685.97	-175.31	-19.49
84	10	229.00	-305.12	0.89	13.81	-1498.73	58.21	-45.18
84	11	192.50	-271.21	20.72	10.25	-1346.85	-138.76	112.07
84	11	210.75	-274.86	20.72	10.25	-1346.85	-135.69	-16.34
84	11	229.00	-251.65	0.09	10.56	-1226.75	46.83	-39.75
84	12	192.50	-337.79	28.41	13.18	-1733.03	-178.67	120.14
84	12	210.75	-342.73	28.41	13.18	-1733.03	-175.57	-19.71
84	12	229.00	-314.71	0.57	13.94	-1544.81	59.32	-45.45
84	13	192.50	-261.64	20.21	10.20	-1300.54	-138.39	111.91
84	13	210.75	-265.15	20.21	10.20	-1300.55	-135.36	-16.09
84	13	229.00	-242.13	0.45	10.42	-1181.36	45.65	-39.48
84	14	192.50	-328.22	27.89	13.12	-1686.72	-178.31	119.98
84	14	210.75	-333.02	27.89	13.12	-1686.72	-175.24	-19.46
84	14	229.00	-305.18	0.94	13.80	-1499.43	58.14	-45.17
84	15	192.50	-271.32	20.75	10.25	-1347.60	-138.69	112.07
84	15	210.75	-274.96	20.75	10.25	-1347.60	-135.62	-16.31
84	15	229.00	-251.72	0.14	10.54	-1227.44	46.76	-39.75
84	16	192.50	-337.90	28.43	13.17	-1733.78	-178.60	120.14
84	16	210.75	-342.83	28.43	13.17	-1733.78	-175.50	-19.68
84	16	229.00	-314.77	0.62	13.93	-1545.50	59.25	-45.44
...								
84	203	229.00	-219.32	0.61	9.82	-1075.51	41.74	-33.39

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-342.87	-34.83	-13.87	-1734.03	-324.51	-101.52
	-167.73	54.52	34.06	-762.91	234.86	137.18

Macro	Tipo	Angolo 1-Z (gradi)
87	**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
87	1	231.00	-61.77	-3.36	-1.23	127.81	1.53	30.70
87	1	249.25	-63.62	-3.36	-1.23	127.81	1.52	8.45
87	1	267.50	-49.15	10.65	-0.26	57.89	-15.87	-11.55
87	2	231.00	-76.81	-4.90	-4.50	228.99	39.11	19.75
87	2	249.25	-79.55	-4.90	-4.50	228.99	38.84	16.64
87	2	267.50	-64.50	13.03	-1.38	103.17	-23.33	-6.96
87	3	231.00	-66.64	-3.67	-1.49	138.92	2.36	32.33
87	3	249.25	-68.62	-3.67	-1.49	138.92	2.38	9.45
87	3	267.50	-54.09	11.27	-0.15	68.12	-16.62	-12.83
87	4	231.00	-81.67	-5.20	-4.75	240.11	39.94	21.38
87	4	249.25	-84.54	-5.20	-4.75	240.11	39.70	17.64
87	4	267.50	-69.44	13.65	-1.27	113.40	-24.08	-8.24
87	5	231.00	-61.58	-3.33	-1.22	126.56	1.40	30.61
87	5	249.25	-63.43	-3.33	-1.22	126.56	1.39	8.37
87	5	267.50	-49.01	10.67	-0.26	57.22	-15.80	-11.57
87	6	231.00	-76.61	-4.87	-4.49	227.75	38.98	19.66
87	6	249.25	-79.35	-4.87	-4.49	227.75	38.71	16.56
87	6	267.50	-64.36	13.05	-1.37	102.50	-23.26	-6.98

87	7	231.00	-66.45	-3.64	-1.47	137.68	2.24	32.24
87	7	249.25	-68.43	-3.64	-1.47	137.68	2.25	9.37
87	7	267.50	-53.95	11.30	-0.15	67.45	-16.56	-12.86
87	8	231.00	-81.48	-5.18	-4.74	238.87	39.81	21.29
87	8	249.25	-84.35	-5.18	-4.74	238.87	39.57	17.56
87	8	267.50	-69.30	13.68	-1.26	112.72	-24.01	-8.26
87	9	231.00	-73.94	-4.13	-1.87	155.60	3.61	34.76
87	9	249.25	-76.12	-4.13	-1.87	155.60	3.68	10.95
87	9	267.50	-61.50	12.21	0.01	83.46	-17.75	-14.75
87	10	231.00	-88.97	-5.66	-5.14	256.79	41.19	23.81
87	10	249.25	-92.04	-5.66	-5.14	256.79	41.00	19.14
87	10	267.50	-76.85	14.59	-1.10	128.74	-25.21	-10.16
87	11	231.00	-78.80	-4.44	-2.12	166.72	4.45	36.38
87	11	249.25	-81.11	-4.44	-2.12	166.72	4.54	11.95
87	11	267.50	-66.44	12.83	0.12	93.69	-18.50	-16.03
87	12	231.00	-93.83	-5.97	-5.39	267.91	42.02	25.44
87	12	249.25	-97.04	-5.97	-5.39	267.91	41.86	20.14
87	12	267.50	-81.79	15.21	-0.99	138.97	-25.96	-11.44
87	13	231.00	-73.74	-4.10	-1.85	154.36	3.49	34.67
87	13	249.25	-75.92	-4.10	-1.85	154.36	3.55	10.87
87	13	267.50	-61.36	12.23	0.02	82.79	-17.68	-14.78
87	14	231.00	-88.78	-5.64	-5.12	255.55	41.06	23.72
87	14	249.25	-91.85	-5.64	-5.12	255.55	40.87	19.06
87	14	267.50	-76.71	14.61	-1.10	128.07	-25.14	-10.18
87	15	231.00	-78.61	-4.41	-2.11	165.48	4.32	36.29
87	15	249.25	-80.92	-4.41	-2.11	165.48	4.41	11.87
87	15	267.50	-66.30	12.86	0.13	93.02	-18.43	-16.06
87	16	231.00	-93.64	-5.94	-5.38	266.66	41.89	25.34
87	16	249.25	-96.84	-5.94	-5.38	266.66	41.73	20.06
87	16	267.50	-81.65	15.23	-0.99	138.30	-25.89	-11.47
...								
87	203	267.50	-55.16	10.63	-0.59	87.51	-17.56	-8.84
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-115.70	-32.77	-10.25	-179.34	-119.73	-135.76
			-28.06	37.53	7.55	521.60	111.74	167.26

Macro	Tipo	Angolo 1-Z (gradi)
88	**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
88	1	231.00	-142.48	6.93	-0.87	-400.29	1.07	7.89
88	1	249.25	-140.92	6.93	-0.87	-400.29	1.09	9.14
88	1	267.50	-107.04	11.70	0.04	-297.55	-9.43	-4.53
88	2	231.00	-179.70	1.62	-1.29	-451.41	2.31	13.17
88	2	249.25	-178.27	1.62	-1.29	-451.41	2.41	15.50
88	2	267.50	-144.13	7.34	-0.45	-404.51	-18.57	-7.63
88	3	231.00	-154.51	6.40	-0.96	-431.55	1.56	8.29
88	3	249.25	-152.92	6.40	-0.96	-431.55	1.59	9.86
88	3	267.50	-119.14	11.50	-9.74e-03	-330.41	-10.50	-4.86
88	4	231.00	-191.73	1.09	-1.38	-482.67	2.80	13.57
88	4	249.25	-190.27	1.09	-1.38	-482.67	2.90	16.22
88	4	267.50	-156.24	7.13	-0.51	-437.37	-19.63	-7.96
88	5	231.00	-142.42	6.95	-0.86	-400.73	0.93	7.87
88	5	249.25	-140.86	6.95	-0.86	-400.73	0.95	9.04
88	5	267.50	-107.00	11.72	0.06	-297.81	-9.28	-4.57
88	6	231.00	-179.64	1.64	-1.28	-451.85	2.16	13.14
88	6	249.25	-178.21	1.64	-1.28	-451.85	2.26	15.40
88	6	267.50	-144.10	7.35	-0.43	-404.77	-18.42	-7.67
88	7	231.00	-154.45	6.42	-0.95	-431.98	1.42	8.26
88	7	249.25	-152.86	6.42	-0.95	-431.98	1.44	9.76
88	7	267.50	-119.11	11.52	9.49e-03	-330.68	-10.35	-4.91
88	8	231.00	-191.67	1.11	-1.37	-483.11	2.65	13.54
88	8	249.25	-190.21	1.11	-1.37	-483.11	2.76	16.12
88	8	267.50	-156.20	7.15	-0.49	-437.63	-19.48	-8.00
88	9	231.00	-172.54	5.61	-1.09	-478.43	2.30	8.89
88	9	249.25	-170.91	5.61	-1.09	-478.43	2.34	10.94
88	9	267.50	-137.29	11.20	-0.09	-379.71	-12.10	-5.37
88	10	231.00	-209.76	0.30	-1.51	-529.55	3.54	14.17
88	10	249.25	-208.26	0.30	-1.51	-529.55	3.65	17.29
88	10	267.50	-174.39	6.83	-0.59	-486.67	-21.23	-8.47
88	11	231.00	-184.57	5.09	-1.18	-509.69	2.79	9.29
88	11	249.25	-182.91	5.09	-1.18	-509.69	2.84	11.65
88	11	267.50	-149.39	11.00	-0.14	-412.58	-13.16	-5.70
88	12	231.00	-221.79	-0.22	-1.60	-560.81	4.03	14.56
88	12	249.25	-220.26	-0.22	-1.60	-560.81	4.15	18.01
88	12	267.50	-186.49	6.63	-0.64	-519.53	-22.30	-8.80
88	13	231.00	-172.48	5.63	-1.08	-478.87	2.16	8.86
88	13	249.25	-170.85	5.63	-1.08	-478.87	2.19	10.84
88	13	267.50	-137.26	11.21	-0.07	-379.97	-11.95	-5.41
88	14	231.00	-209.70	0.32	-1.50	-529.99	3.39	14.14
88	14	249.25	-208.21	0.32	-1.50	-529.99	3.51	17.20
88	14	267.50	-174.35	6.84	-0.57	-486.93	-21.08	-8.51
88	15	231.00	-184.51	5.10	-1.17	-510.12	2.65	9.26
88	15	249.25	-182.85	5.10	-1.17	-510.12	2.69	11.56
88	15	267.50	-149.36	11.01	-0.12	-412.84	-13.02	-5.74
88	16	231.00	-221.73	-0.21	-1.59	-561.25	3.88	14.54
88	16	249.25	-220.20	-0.21	-1.59	-561.25	4.00	17.91
88	16	267.50	-186.45	6.64	-0.62	-519.80	-22.15	-8.84
...								
88	203	267.50	-124.70	6.30	-0.32	-347.38	-14.06	-5.78
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-221.81	-25.35	-18.10	-597.52	-177.79	-140.38

			-82.30	34.50	15.25	-209.60	172.98	168.16

Macro	Tipo	Angolo 1-Z (gradi)
89	**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
89	1	231.00	-144.76	11.86	-0.28	-409.91	4.77	-0.98
89	1	249.25	-143.11	11.86	-0.28	-409.91	4.57	5.73
89	1	267.50	-110.03	16.49	-0.20	-304.19	-2.07	1.71
89	2	231.00	-183.68	7.79	-0.53	-464.52	7.83	-1.21
89	2	249.25	-182.09	7.79	-0.53	-464.52	7.57	8.45
89	2	267.50	-148.61	13.69	-0.34	-414.22	-3.52	2.86
89	3	231.00	-156.94	11.50	-0.30	-441.57	5.00	-0.94
89	3	249.25	-155.26	11.50	-0.30	-441.57	4.80	5.99
89	3	267.50	-122.23	16.49	-0.21	-337.66	-2.19	1.82
89	4	231.00	-195.86	7.43	-0.54	-496.19	8.07	-1.18
89	4	249.25	-194.23	7.43	-0.54	-496.19	7.80	8.71
89	4	267.50	-160.81	13.69	-0.35	-447.69	-3.64	2.97
89	5	231.00	-144.83	11.85	-0.28	-409.62	4.67	-1.00
89	5	249.25	-143.19	11.85	-0.28	-409.62	4.47	5.66
89	5	267.50	-110.09	16.49	-0.19	-304.00	-1.97	1.67
89	6	231.00	-183.75	7.78	-0.52	-464.24	7.74	-1.23
89	6	249.25	-182.16	7.78	-0.52	-464.24	7.48	8.38
89	6	267.50	-148.67	13.68	-0.32	-414.04	-3.42	2.82
89	7	231.00	-157.01	11.49	-0.30	-441.29	4.90	-0.97
89	7	249.25	-155.33	11.49	-0.30	-441.29	4.70	5.93
89	7	267.50	-122.29	16.49	-0.20	-337.47	-2.09	1.78
89	8	231.00	-195.93	7.42	-0.54	-495.90	7.97	-1.20
89	8	249.25	-194.31	7.42	-0.54	-495.90	7.70	8.64
89	8	267.50	-160.87	13.68	-0.33	-447.51	-3.54	2.93
89	9	231.00	-175.20	10.96	-0.33	-489.06	5.35	-0.90
89	9	249.25	-173.47	10.96	-0.33	-489.06	5.14	6.38
89	9	267.50	-140.53	16.49	-0.23	-387.86	-2.36	2.00
89	10	231.00	-214.12	6.89	-0.57	-543.68	8.42	-1.13
89	10	249.25	-212.45	6.89	-0.57	-543.68	8.15	9.10
89	10	267.50	-179.11	13.68	-0.36	-497.90	-3.82	3.15
89	11	231.00	-187.38	10.60	-0.35	-520.73	5.58	-0.87
89	11	249.25	-185.62	10.60	-0.35	-520.73	5.37	6.64
89	11	267.50	-152.73	16.49	-0.23	-421.33	-2.48	2.12
89	12	231.00	-226.30	6.53	-0.59	-575.35	8.65	-1.10
89	12	249.25	-224.59	6.53	-0.59	-575.35	8.38	9.36
89	12	267.50	-191.31	13.68	-0.37	-531.37	-3.94	3.27
89	13	231.00	-175.28	10.95	-0.33	-488.78	5.25	-0.93
89	13	249.25	-173.55	10.95	-0.33	-488.78	5.04	6.32
89	13	267.50	-140.59	16.48	-0.21	-387.68	-2.26	1.96
89	14	231.00	-214.20	6.88	-0.57	-543.40	8.32	-1.16
89	14	249.25	-212.52	6.88	-0.57	-543.40	8.05	9.04
89	14	267.50	-179.17	13.68	-0.35	-497.71	-3.72	3.11
89	15	231.00	-187.46	10.59	-0.34	-520.45	5.49	-0.90
89	15	249.25	-185.69	10.59	-0.34	-520.45	5.27	6.58
89	15	267.50	-152.79	16.48	-0.22	-421.15	-2.38	2.08
89	16	231.00	-226.38	6.52	-0.59	-575.06	8.55	-1.13
89	16	249.25	-224.67	6.52	-0.59	-575.06	8.28	9.30
89	16	267.50	-191.37	13.68	-0.35	-531.18	-3.83	3.23
...								
89	203	267.50	-128.01	11.19	-0.24	-355.08	-2.55	2.13
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-226.40	-14.07	-15.64	-705.28	-167.87	-148.62
			-84.62	29.20	15.08	-70.67	170.25	157.67

Macro	Tipo	Angolo 1-Z (gradi)
90	**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
90	1	231.00	-145.36	13.39	-0.27	-417.17	3.19	1.03
90	1	249.25	-143.71	13.39	-0.27	-417.17	3.12	5.13
90	1	267.50	-110.62	18.04	-0.32	-307.20	-4.10	0.13
90	2	231.00	-185.11	10.01	-0.31	-472.44	3.44	1.43
90	2	249.25	-183.52	10.01	-0.31	-472.44	3.36	6.01
90	2	267.50	-149.91	15.89	-0.35	-417.30	-4.82	0.03
90	3	231.00	-157.56	13.10	-0.28	-449.19	3.22	1.06
90	3	249.25	-155.88	13.10	-0.28	-449.19	3.15	5.21
90	3	267.50	-122.83	18.11	-0.32	-340.98	-4.17	0.13
90	4	231.00	-197.31	9.72	-0.32	-504.47	3.47	1.46
90	4	249.25	-195.69	9.72	-0.32	-504.47	3.39	6.10
90	4	267.50	-162.12	15.96	-0.35	-451.07	-4.88	0.03
90	5	231.00	-145.48	13.35	-0.27	-416.39	3.16	1.01
90	5	249.25	-143.84	13.35	-0.27	-416.39	3.09	5.11
90	5	267.50	-110.71	18.00	-0.31	-306.68	-4.07	0.11
90	6	231.00	-185.24	9.97	-0.31	-471.67	3.41	1.42
90	6	249.25	-183.65	9.97	-0.31	-471.67	3.33	5.99
90	6	267.50	-150.00	15.85	-0.34	-416.77	-4.78	0.01
90	7	231.00	-157.68	13.06	-0.28	-448.42	3.20	1.04
90	7	249.25	-156.00	13.06	-0.28	-448.42	3.12	5.19

90	7	267.50	-122.92	18.07	-0.32	-340.45	-4.13	0.12
90	8	231.00	-197.43	9.68	-0.32	-503.70	3.44	1.45
90	8	249.25	-195.81	9.68	-0.32	-503.70	3.36	6.08
90	8	267.50	-162.21	15.92	-0.35	-450.54	-4.85	0.01
90	9	231.00	-175.85	12.68	-0.28	-497.22	3.27	1.10
90	9	249.25	-174.13	12.68	-0.28	-497.22	3.20	5.34
90	9	267.50	-141.14	18.21	-0.33	-391.63	-4.26	0.13
90	10	231.00	-215.61	9.29	-0.32	-552.50	3.52	1.50
90	10	249.25	-213.93	9.29	-0.32	-552.50	3.44	6.22
90	10	267.50	-180.44	16.06	-0.36	-501.73	-4.97	0.03
90	11	231.00	-188.05	12.39	-0.28	-529.25	3.31	1.13
90	11	249.25	-186.29	12.39	-0.28	-529.25	3.23	5.42
90	11	267.50	-153.35	18.28	-0.33	-425.40	-4.32	0.13
90	12	231.00	-227.81	9.01	-0.32	-584.53	3.55	1.53
90	12	249.25	-226.10	9.01	-0.32	-584.53	3.47	6.31
90	12	267.50	-192.65	16.13	-0.36	-535.50	-5.04	0.03
90	13	231.00	-175.98	12.63	-0.28	-496.45	3.24	1.09
90	13	249.25	-174.25	12.63	-0.28	-496.45	3.17	5.32
90	13	267.50	-141.23	18.17	-0.32	-391.10	-4.23	0.12
90	14	231.00	-215.73	9.25	-0.32	-551.73	3.49	1.49
90	14	249.25	-214.06	9.25	-0.32	-551.73	3.41	6.20
90	14	267.50	-180.53	16.02	-0.36	-501.20	-4.94	0.02
90	15	231.00	-188.18	12.35	-0.28	-528.48	3.28	1.12
90	15	249.25	-186.41	12.35	-0.28	-528.47	3.20	5.40
90	15	267.50	-153.44	18.24	-0.33	-424.88	-4.29	0.12
90	16	231.00	-227.93	8.97	-0.32	-583.75	3.52	1.52
90	16	249.25	-226.22	8.97	-0.32	-583.75	3.44	6.29
90	16	267.50	-192.74	16.09	-0.36	-534.97	-5.00	0.02
...								
90	203	267.50	-128.87	12.84	-0.27	-357.86	-3.64	0.04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-227.97	-6.38	-17.51	-764.16	-188.48	-157.02
			-85.05	24.70	16.19	-57.49	186.20	160.49

Macro	Tipo	Angolo 1-Z (gradi)
91	**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
91	1	231.00	-145.89	14.60	-0.62	-426.16	7.12	-0.07
91	1	249.25	-144.24	14.60	-0.62	-426.16	7.07	4.89
91	1	267.50	-110.93	19.28	-0.71	-316.55	-7.06	0.14
91	2	231.00	-185.65	11.21	-0.58	-481.43	6.87	-0.47
91	2	249.25	-184.05	11.21	-0.58	-481.43	6.83	4.00
91	2	267.50	-150.22	17.13	-0.68	-426.64	-6.35	0.25
91	3	231.00	-158.09	14.31	-0.62	-458.18	7.09	-0.10
91	3	249.25	-156.40	14.31	-0.62	-458.18	7.04	4.80
91	3	267.50	-123.14	19.35	-0.71	-350.32	-7.00	0.14
91	4	231.00	-197.85	10.93	-0.58	-513.46	6.84	-0.50
91	4	249.25	-196.21	10.93	-0.58	-513.46	6.79	3.92
91	4	267.50	-162.43	17.20	-0.67	-460.41	-6.29	0.24
91	5	231.00	-146.02	14.55	-0.62	-425.38	7.15	-0.06
91	5	249.25	-144.36	14.55	-0.62	-425.38	7.10	4.91
91	5	267.50	-111.02	19.24	-0.72	-316.02	-7.09	0.16
91	6	231.00	-185.77	11.17	-0.59	-480.66	6.90	-0.46
91	6	249.25	-184.17	11.17	-0.59	-480.66	6.86	4.02
91	6	267.50	-150.31	17.09	-0.68	-426.11	-6.38	0.26
91	7	231.00	-158.22	14.27	-0.62	-457.41	7.12	-0.09
91	7	249.25	-156.53	14.27	-0.62	-457.41	7.07	4.82
91	7	267.50	-123.23	19.31	-0.71	-349.79	-7.03	0.16
91	8	231.00	-197.97	10.89	-0.58	-512.68	6.87	-0.49
91	8	249.25	-196.33	10.89	-0.58	-512.68	6.82	3.94
91	8	267.50	-162.52	17.16	-0.68	-459.88	-6.32	0.26
91	9	231.00	-176.39	13.88	-0.62	-506.21	7.04	-0.14
91	9	249.25	-174.65	13.88	-0.62	-506.21	6.99	4.68
91	9	267.50	-141.45	19.45	-0.70	-400.98	-6.90	0.14
91	10	231.00	-216.15	10.50	-0.58	-561.49	6.79	-0.55
91	10	249.25	-214.46	10.50	-0.58	-561.49	6.74	3.79
91	10	267.50	-180.75	17.30	-0.67	-511.07	-6.19	0.24
91	11	231.00	-188.59	13.60	-0.61	-538.24	7.00	-0.17
91	11	249.25	-186.81	13.60	-0.61	-538.24	6.96	4.59
91	11	267.50	-153.66	19.52	-0.70	-434.75	-6.84	0.14
91	12	231.00	-228.34	10.21	-0.57	-593.51	6.76	-0.58
91	12	249.25	-226.62	10.21	-0.57	-593.51	6.71	3.71
91	12	267.50	-192.96	17.37	-0.66	-544.84	-6.13	0.24
91	13	231.00	-176.52	13.84	-0.62	-505.44	7.07	-0.13
91	13	249.25	-174.77	13.84	-0.62	-505.44	7.02	4.70
91	13	267.50	-141.54	19.41	-0.70	-400.45	-6.94	0.16
91	14	231.00	-216.27	10.46	-0.58	-560.72	6.82	-0.53
91	14	249.25	-214.58	10.46	-0.58	-560.72	6.77	3.81
91	14	267.50	-180.84	17.26	-0.67	-510.54	-6.22	0.26
91	15	231.00	-188.72	13.55	-0.62	-537.46	7.03	-0.16
91	15	249.25	-186.94	13.55	-0.62	-537.46	6.99	4.61
91	15	267.50	-153.75	19.48	-0.70	-434.22	-6.87	0.16
91	16	231.00	-228.47	10.17	-0.58	-592.74	6.79	-0.56
91	16	249.25	-226.75	10.17	-0.58	-592.74	6.74	3.73
91	16	267.50	-193.05	17.33	-0.67	-544.31	-6.16	0.26
...								
91	203	267.50	-129.11	13.80	-0.52	-365.05	-4.95	0.17
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-228.51	-5.53	-17.08	-771.88	-185.58	-152.73
			-85.29	25.69	16.15	-63.85	185.14	165.82

Macro	Tipo	Angolo 1-Z (gradi)
92	**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
92	1	231.00	-152.64	8.62	-0.44	-475.55	3.42	1.57
92	1	249.25	-151.04	8.62	-0.44	-475.55	3.55	2.00
92	1	267.50	-115.53	14.28	-0.66	-366.04	-7.23	-2.06
92	2	231.00	-191.56	4.55	-0.20	-530.17	0.36	1.81
92	2	249.25	-190.01	4.55	-0.20	-530.17	0.55	-0.72
92	2	267.50	-154.11	11.47	-0.52	-476.08	-5.78	-3.21
92	3	231.00	-164.82	8.26	-0.42	-507.22	3.19	1.54
92	3	249.25	-163.18	8.26	-0.42	-507.22	3.32	1.74
92	3	267.50	-127.73	14.28	-0.65	-399.51	-7.11	-2.18
92	4	231.00	-203.74	4.19	-0.18	-561.83	0.12	1.77
92	4	249.25	-202.16	4.19	-0.18	-561.83	0.32	-0.98
92	4	267.50	-166.31	11.47	-0.51	-509.55	-5.66	-3.33
92	5	231.00	-152.71	8.61	-0.45	-475.27	3.52	1.60
92	5	249.25	-151.11	8.61	-0.45	-475.27	3.65	2.07
92	5	267.50	-115.59	14.27	-0.67	-365.86	-7.33	-2.02
92	6	231.00	-191.63	4.54	-0.20	-529.89	0.45	1.83
92	6	249.25	-190.09	4.54	-0.20	-529.89	0.64	-0.65
92	6	267.50	-154.17	11.47	-0.54	-475.89	-5.88	-3.17
92	7	231.00	-164.89	8.25	-0.43	-506.93	3.29	1.57
92	7	249.25	-163.26	8.25	-0.43	-506.93	3.42	1.80
92	7	267.50	-127.79	14.27	-0.66	-399.33	-7.21	-2.14
92	8	231.00	-203.81	4.18	-0.19	-561.55	0.22	1.80
92	8	249.25	-202.23	4.18	-0.19	-561.55	0.41	-0.91
92	8	267.50	-166.37	11.47	-0.53	-509.36	-5.76	-3.29
92	9	231.00	-183.08	7.72	-0.39	-554.71	2.84	1.50
92	9	249.25	-181.40	7.72	-0.39	-554.71	2.98	1.35
92	9	267.50	-146.03	14.28	-0.63	-449.72	-6.93	-2.35
92	10	231.00	-222.00	3.65	-0.15	-609.33	-0.23	1.73
92	10	249.25	-220.37	3.65	-0.15	-609.33	-0.03	-1.37
92	10	267.50	-184.61	11.47	-0.50	-559.75	-5.48	-3.50
92	11	231.00	-195.26	7.36	-0.38	-586.37	2.61	1.47
92	11	249.25	-193.54	7.36	-0.38	-586.37	2.75	1.09
92	11	267.50	-158.23	14.28	-0.62	-483.19	-6.81	-2.47
92	12	231.00	-234.18	3.29	-0.13	-640.99	-0.46	1.70
92	12	249.25	-232.52	3.29	-0.13	-640.99	-0.26	-1.63
92	12	267.50	-196.81	11.47	-0.49	-593.22	-5.36	-3.62
92	13	231.00	-183.16	7.71	-0.40	-554.43	2.94	1.53
92	13	249.25	-181.47	7.71	-0.40	-554.43	3.08	1.41
92	13	267.50	-146.09	14.27	-0.65	-449.53	-7.03	-2.31
92	14	231.00	-222.08	3.64	-0.16	-609.05	-0.13	1.76
92	14	249.25	-220.45	3.64	-0.16	-609.05	0.07	-1.31
92	14	267.50	-184.67	11.46	-0.51	-559.56	-5.58	-3.46
92	15	231.00	-195.34	7.35	-0.38	-586.09	2.71	1.50
92	15	249.25	-193.62	7.35	-0.38	-586.09	2.85	1.15
92	15	267.50	-158.29	14.27	-0.64	-483.00	-6.91	-2.43
92	16	231.00	-234.26	3.28	-0.14	-640.71	-0.36	1.73
92	16	249.25	-232.59	3.28	-0.14	-640.71	-0.16	-1.57
92	16	267.50	-196.87	11.46	-0.50	-593.03	-5.46	-3.58
...								
92	203	267.50	-132.24	9.48	-0.42	-402.66	-4.60	-2.40
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-234.28	-16.71	-15.72	-759.04	-170.26	-152.83
			-88.85	27.61	15.17	-117.11	165.82	155.67

Macro	Tipo	Angolo 1-Z (gradi)
93	**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
93	1	231.00	-149.68	3.90	0.88	-475.06	-0.06	-7.32
93	1	249.25	-148.18	3.90	0.88	-475.06	-0.10	-7.01
93	1	267.50	-112.07	9.67	-0.11	-367.03	9.26	6.10
93	2	231.00	-186.89	-1.41	1.29	-526.19	-1.30	-12.60
93	2	249.25	-185.53	-1.41	1.29	-526.19	-1.41	-13.36
93	2	267.50	-149.17	5.30	0.39	-473.98	18.39	9.20
93	3	231.00	-161.70	3.37	0.97	-506.32	-0.55	-7.72
93	3	249.25	-160.18	3.37	0.97	-506.32	-0.60	-7.72
93	3	267.50	-124.17	9.47	-0.06	-399.89	10.33	6.44
93	4	231.00	-198.92	-1.94	1.38	-557.44	-1.79	-13.00
93	4	249.25	-197.53	-1.94	1.38	-557.44	-1.91	-14.08
93	4	267.50	-161.27	5.10	0.44	-506.85	19.46	9.54
93	5	231.00	-149.62	3.91	0.87	-475.50	0.08	-7.29
93	5	249.25	-148.12	3.91	0.87	-475.50	0.05	-6.91
93	5	267.50	-112.04	9.68	-0.13	-367.29	9.11	6.14
93	6	231.00	-186.83	-1.40	1.29	-526.63	-1.15	-12.57
93	6	249.25	-185.47	-1.40	1.29	-526.63	-1.27	-13.27
93	6	267.50	-149.13	5.32	0.37	-474.25	18.25	9.24
93	7	231.00	-161.64	3.38	0.96	-506.76	-0.41	-7.69
93	7	249.25	-160.12	3.38	0.96	-506.76	-0.45	-7.63
93	7	267.50	-124.14	9.48	-0.07	-400.16	10.18	6.48
93	8	231.00	-198.86	-1.93	1.38	-557.88	-1.64	-12.97
93	8	249.25	-197.47	-1.93	1.38	-557.88	-1.76	-13.99
93	8	267.50	-161.23	5.11	0.42	-507.11	19.31	9.58

93	9	231.00	-179.74	2.58	1.10	-553.20	-1.29	-8.32
93	9	249.25	-178.17	2.58	1.10	-553.20	-1.35	-8.80
93	9	267.50	-142.32	9.16	0.02	-449.19	11.92	6.94
93	10	231.00	-216.95	-2.73	1.52	-604.33	-2.53	-13.59
93	10	249.25	-215.52	-2.73	1.52	-604.33	-2.66	-15.16
93	10	267.50	-179.42	4.80	0.52	-556.15	21.06	10.04
93	11	231.00	-191.76	2.05	1.19	-584.46	-1.78	-8.72
93	11	249.25	-190.17	2.05	1.19	-584.46	-1.85	-9.52
93	11	267.50	-154.42	8.96	0.08	-482.06	12.99	7.28
93	12	231.00	-228.98	-3.26	1.61	-635.58	-3.02	-13.99
93	12	249.25	-227.52	-3.26	1.61	-635.58	-3.16	-15.88
93	12	267.50	-191.52	4.59	0.57	-589.01	22.13	10.37
93	13	231.00	-179.68	2.59	1.09	-553.64	-1.15	-8.29
93	13	249.25	-178.11	2.59	1.09	-553.64	-1.20	-8.71
93	13	267.50	-142.29	9.18	5.20e-03	-449.45	11.78	6.98
93	14	231.00	-216.90	-2.72	1.51	-604.77	-2.38	-13.57
93	14	249.25	-215.46	-2.72	1.51	-604.77	-2.51	-15.06
93	14	267.50	-179.39	4.81	0.50	-556.41	20.91	10.08
93	15	231.00	-191.70	2.07	1.18	-584.90	-1.64	-8.69
93	15	249.25	-190.11	2.07	1.18	-584.90	-1.70	-9.42
93	15	267.50	-154.39	8.97	0.06	-482.32	12.84	7.32
93	16	231.00	-228.92	-3.24	1.60	-636.02	-2.87	-13.97
93	16	249.25	-227.46	-3.24	1.60	-636.02	-3.01	-15.78
93	16	267.50	-191.49	4.61	0.55	-589.27	21.98	10.42
...								
93	203	267.50	-128.57	4.74	0.27	-400.82	13.93	6.99
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-229.00	-27.95	-15.32	-658.61	-173.23	-169.71
			-86.17	33.07	18.19	-260.56	178.72	145.50

Macro	Tipo	Angolo 1-Z (gradi)
94	**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
94	1	231.00	-58.04	-1.75	1.27	98.28	-1.98	-29.49
94	1	249.25	-59.93	-1.75	1.27	98.28	-1.98	-8.51
94	1	267.50	-45.82	12.69	0.65	27.01	19.42	12.43
94	2	231.00	-73.07	-3.28	4.54	199.46	-39.56	-18.54
94	2	249.25	-75.85	-3.28	4.54	199.46	-39.30	-16.69
94	2	267.50	-61.17	15.07	1.76	72.29	26.88	7.83
94	3	231.00	-62.91	-2.05	1.52	109.40	-2.82	-31.11
94	3	249.25	-64.93	-2.05	1.52	109.40	-2.84	-9.51
94	3	267.50	-50.76	13.32	0.54	37.24	20.17	13.71
94	4	231.00	-77.94	-3.59	4.79	210.58	-40.39	-20.16
94	4	249.25	-80.85	-3.59	4.79	210.58	-40.16	-17.70
94	4	267.50	-66.11	15.70	1.65	82.52	27.63	9.11
94	5	231.00	-57.85	-1.72	1.25	97.03	-1.86	-29.40
94	5	249.25	-59.74	-1.72	1.25	97.03	-1.85	-8.43
94	5	267.50	-45.68	12.72	0.64	26.34	19.35	12.45
94	6	231.00	-72.88	-3.25	4.52	198.22	-39.43	-18.45
94	6	249.25	-75.66	-3.25	4.52	198.22	-39.17	-16.61
94	6	267.50	-61.03	15.10	1.76	71.62	26.81	7.86
94	7	231.00	-62.71	-2.02	1.51	108.15	-2.69	-31.02
94	7	249.25	-64.74	-2.02	1.51	108.15	-2.71	-9.43
94	7	267.50	-50.62	13.34	0.53	36.57	20.11	13.73
94	8	231.00	-77.74	-3.56	4.78	209.34	-40.26	-20.07
94	8	249.25	-80.66	-3.56	4.78	209.34	-40.03	-17.61
94	8	267.50	-65.97	15.72	1.65	81.85	27.56	9.14
94	9	231.00	-70.20	-2.51	1.90	126.07	-4.07	-33.55
94	9	249.25	-72.42	-2.51	1.90	126.07	-4.14	-11.01
94	9	267.50	-58.17	14.25	0.37	52.58	21.30	15.63
94	10	231.00	-85.24	-4.05	5.17	227.26	-41.64	-22.60
94	10	249.25	-88.35	-4.05	5.17	227.26	-41.46	-19.20
94	10	267.50	-73.52	16.63	1.49	97.86	28.76	11.04
94	11	231.00	-75.07	-2.82	2.16	137.19	-4.90	-35.17
94	11	249.25	-77.42	-2.82	2.16	137.19	-5.00	-12.01
94	11	267.50	-63.11	14.87	0.26	62.81	22.05	16.91
94	12	231.00	-90.10	-4.35	5.43	238.38	-42.47	-24.22
94	12	249.25	-93.34	-4.35	5.43	238.38	-42.32	-20.20
94	12	267.50	-78.46	17.25	1.38	108.09	29.51	12.32
94	13	231.00	-70.01	-2.48	1.89	124.83	-3.94	-33.45
94	13	249.25	-72.23	-2.48	1.89	124.83	-4.01	-10.93
94	13	267.50	-58.03	14.28	0.37	51.91	21.23	15.65
94	14	231.00	-85.04	-4.02	5.16	226.02	-41.51	-22.51
94	14	249.25	-88.15	-4.02	5.16	226.02	-41.33	-19.11
94	14	267.50	-73.38	16.66	1.48	97.19	28.69	11.06
94	15	231.00	-74.88	-2.79	2.14	135.95	-4.77	-35.08
94	15	249.25	-77.23	-2.79	2.14	135.95	-4.87	-11.93
94	15	267.50	-62.97	14.90	0.26	62.14	21.98	16.93
94	16	231.00	-89.91	-4.33	5.41	237.14	-42.35	-24.13
94	16	249.25	-93.15	-4.33	5.41	237.14	-42.19	-20.12
94	16	267.50	-78.32	17.28	1.37	107.42	29.44	12.34
...								
94	203	267.50	-52.60	12.21	0.88	63.76	20.30	9.51
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-112.58	-32.29	-7.38	-198.16	-114.00	-170.16
			-26.20	39.84	10.46	498.08	124.06	138.79

Macro	Tipo	Angolo 1-Z (gradi)
95	**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
95	1	231.00	-269.31	-5.04	8.76	647.01	-169.45	13.83
95	1	249.25	-277.04	-5.04	8.76	531.83	-168.60	14.76
95	1	267.50	-260.41	-5.04	9.24	517.37	-4.83	14.88
95	2	231.00	-353.53	-5.04	4.19	647.01	-163.34	13.83
95	2	249.25	-367.53	-5.04	4.19	531.83	-162.30	14.76
95	2	267.50	-350.28	-5.04	9.91	517.37	-34.07	14.88
95	3	231.00	-298.01	-5.04	8.27	647.01	-175.00	13.83
95	3	249.25	-306.41	-5.04	8.27	531.83	-174.12	14.76
95	3	267.50	-289.21	-5.04	9.62	517.37	-11.40	14.88
95	4	231.00	-382.24	-5.04	3.69	647.01	-168.89	13.83
95	4	249.25	-396.90	-5.04	3.69	531.83	-167.82	14.76
95	4	267.50	-379.08	-5.04	10.29	517.37	-40.64	14.88
95	5	231.00	-269.50	-5.04	8.76	647.01	-169.44	13.83
95	5	249.25	-277.09	-5.04	8.76	531.83	-168.60	14.76
95	5	267.50	-260.41	-5.04	9.23	517.37	-4.85	14.88
95	6	231.00	-353.73	-5.04	4.19	647.01	-163.34	13.83
95	6	249.25	-367.58	-5.04	4.19	531.83	-162.31	14.76
95	6	267.50	-350.28	-5.04	9.91	517.37	-34.09	14.88
95	7	231.00	-298.21	-5.04	8.27	647.01	-175.00	13.83
95	7	249.25	-306.46	-5.04	8.27	531.83	-174.12	14.76
95	7	267.50	-289.21	-5.04	9.62	517.37	-11.42	14.88
95	8	231.00	-382.43	-5.04	3.69	647.01	-168.89	13.83
95	8	249.25	-396.95	-5.04	3.69	531.83	-167.83	14.76
95	8	267.50	-379.08	-5.04	10.29	517.37	-40.66	14.88
95	9	231.00	-341.07	-5.04	7.53	647.01	-183.33	13.83
95	9	249.25	-350.46	-5.04	7.53	531.83	-182.40	14.76
95	9	267.50	-332.41	-5.04	10.19	517.37	-21.25	14.88
95	10	231.00	-425.30	-5.04	2.95	647.01	-177.22	13.83
95	10	249.25	-440.96	-5.04	2.95	531.83	-176.11	14.76
95	10	267.50	-422.28	-5.04	10.87	517.37	-50.49	14.88
95	11	231.00	-369.78	-5.04	7.03	647.01	-188.88	13.83
95	11	249.25	-379.83	-5.04	7.03	531.83	-187.92	14.76
95	11	267.50	-361.21	-5.04	10.57	517.37	-27.81	14.88
95	12	231.00	-454.00	-5.04	2.45	647.01	-182.77	13.83
95	12	249.25	-470.33	-5.04	2.45	531.83	-181.63	14.76
95	12	267.50	-451.08	-5.04	11.25	517.37	-57.05	14.88
95	13	231.00	-341.27	-5.04	7.52	647.01	-183.32	13.83
95	13	249.25	-350.51	-5.04	7.52	531.83	-182.40	14.76
95	13	267.50	-332.41	-5.04	10.19	517.37	-21.27	14.88
95	14	231.00	-425.49	-5.04	2.95	647.01	-177.22	13.83
95	14	249.25	-441.01	-5.04	2.95	531.83	-176.11	14.76
95	14	267.50	-422.28	-5.04	10.87	517.37	-50.51	14.88
95	15	231.00	-369.97	-5.04	7.03	647.01	-188.88	13.83
95	15	249.25	-379.88	-5.04	7.03	531.83	-187.92	14.76
95	15	267.50	-361.21	-5.04	10.57	517.37	-27.83	14.88
95	16	231.00	-454.20	-5.04	2.45	647.01	-182.77	13.83
95	16	249.25	-470.38	-5.04	2.45	531.83	-181.63	14.76
95	16	267.50	-451.08	-5.04	11.25	517.37	-57.07	14.88
...								
95	203	267.50	-302.00	-3.88	8.18	397.98	-31.58	11.45
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-488.30	-171.24	-0.54	-4890.41	-188.88	-587.80
			-146.91	165.17	11.70	5827.32	-3.71	616.45

Macro	Tipo	Angolo 1-Z (gradi)
98	**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
98	1	231.00	-133.32	14.10	-10.19	-659.45	140.48	-109.14
98	1	249.25	-135.27	14.10	-10.19	-659.45	137.72	16.28
98	1	267.50	-114.86	3.85	-9.83	-548.90	-38.33	37.99
98	2	231.00	-169.02	20.34	-13.18	-895.59	181.22	-116.50
98	2	249.25	-171.82	20.34	-13.18	-895.59	178.52	19.69
98	2	267.50	-147.11	5.59	-13.04	-717.57	-49.16	42.96
98	3	231.00	-142.55	14.72	-10.28	-703.88	141.07	-109.26
98	3	249.25	-144.62	14.72	-10.28	-703.88	138.28	16.61
98	3	267.50	-123.91	3.66	-10.00	-591.10	-39.82	38.24
98	4	231.00	-178.25	20.95	-13.27	-940.03	181.81	-116.61
98	4	249.25	-181.18	20.95	-13.27	-940.03	179.07	20.02
98	4	267.50	-156.15	5.40	-13.21	-759.77	-50.65	43.21
98	5	231.00	-133.37	14.12	-10.18	-659.76	140.40	-109.15
98	5	249.25	-135.31	14.12	-10.18	-659.76	137.64	16.24
98	5	267.50	-114.88	3.87	-9.82	-549.20	-38.24	37.98
98	6	231.00	-169.06	20.35	-13.17	-895.90	181.14	-116.50
98	6	249.25	-171.87	20.35	-13.17	-895.90	178.43	19.65
98	6	267.50	-147.13	5.62	-13.03	-717.87	-49.07	42.95
98	7	231.00	-142.59	14.73	-10.27	-704.19	140.99	-109.26
98	7	249.25	-144.67	14.73	-10.27	-704.19	138.19	16.58
98	7	267.50	-123.93	3.68	-9.98	-591.40	-39.74	38.23
98	8	231.00	-178.29	20.97	-13.26	-940.34	181.72	-116.62
98	8	249.25	-181.23	20.97	-13.26	-940.34	178.99	19.99
98	8	267.50	-156.17	5.43	-13.19	-760.07	-50.56	43.20
98	9	231.00	-156.39	15.65	-10.41	-770.54	141.95	-109.43
98	9	249.25	-158.66	15.65	-10.41	-770.54	139.11	17.11

98	9	267.50	-137.47	3.38	-10.25	-654.40	-42.06	38.61
98	10	231.00	-192.09	21.88	-13.40	-1006.69	182.69	-116.79
98	10	249.25	-195.22	21.88	-13.40	-1006.69	179.91	20.52
98	10	267.50	-169.72	5.12	-13.46	-823.08	-52.89	43.58
98	11	231.00	-165.62	16.26	-10.50	-814.98	142.54	-109.55
98	11	249.25	-168.02	16.26	-10.50	-814.98	139.67	17.45
98	11	267.50	-146.51	3.19	-10.42	-696.61	-43.56	38.86
98	12	231.00	-201.31	22.50	-13.49	-1051.12	183.28	-116.91
98	12	249.25	-204.58	22.50	-13.49	-1051.12	180.46	20.86
98	12	267.50	-178.76	4.93	-13.63	-865.28	-54.38	43.83
98	13	231.00	-156.43	15.66	-10.40	-770.85	141.87	-109.44
98	13	249.25	-158.71	15.66	-10.40	-770.85	139.03	17.08
98	13	267.50	-137.49	3.40	-10.24	-654.71	-41.98	38.60
98	14	231.00	-192.13	21.89	-13.39	-1007.00	182.61	-116.79
98	14	249.25	-195.27	21.89	-13.39	-1007.00	179.82	20.49
98	14	267.50	-169.74	5.15	-13.45	-823.38	-52.80	43.57
98	15	231.00	-165.66	16.28	-10.49	-815.28	142.45	-109.56
98	15	249.25	-168.07	16.28	-10.49	-815.29	139.58	17.41
98	15	267.50	-146.53	3.21	-10.41	-696.91	-43.47	38.85
98	16	231.00	-201.36	22.51	-13.48	-1051.43	183.19	-116.91
98	16	249.25	-204.62	22.51	-13.48	-1051.43	180.38	20.82
98	16	267.50	-178.78	4.96	-13.62	-865.58	-54.30	43.82
...								
98	203	267.50	-122.44	3.55	-9.58	-591.08	-38.01	32.33
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-204.64	-14.46	-31.08	-1051.54	-205.16	-121.28
			-75.55	32.20	10.84	-256.90	300.33	89.57

Macro	Tipo	Angolo 1-Z (gradi)
99	**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
99	1	231.00	-173.86	-20.20	-0.72	-110.54	-6.94	13.95
99	1	249.25	-171.81	-20.20	-0.72	-110.54	-6.55	7.49
99	1	267.50	-169.49	-25.17	-1.08	-341.78	-20.37	-7.33
99	2	231.00	-221.74	-18.02	-1.67	-197.53	-3.41	15.28
99	2	249.25	-219.66	-18.02	-1.67	-197.53	-3.05	10.89
99	2	267.50	-218.41	-24.74	-2.08	-392.18	-32.62	-7.79
99	3	231.00	-190.12	-19.99	-0.85	-132.36	-6.08	13.89
99	3	249.25	-187.99	-19.99	-0.85	-132.36	-5.70	7.81
99	3	267.50	-185.85	-25.45	-1.21	-362.55	-21.66	-7.23
99	4	231.00	-238.00	-17.81	-1.79	-219.34	-2.55	15.22
99	4	249.25	-235.84	-17.81	-1.79	-219.34	-2.20	11.21
99	4	267.50	-234.77	-25.02	-2.22	-412.95	-33.91	-7.68
99	5	231.00	-173.91	-20.18	-0.70	-110.86	-7.06	13.94
99	5	249.25	-171.87	-20.18	-0.70	-110.86	-6.67	7.47
99	5	267.50	-169.53	-25.15	-1.06	-342.03	-20.25	-7.34
99	6	231.00	-221.79	-18.00	-1.65	-197.85	-3.52	15.27
99	6	249.25	-219.72	-18.00	-1.65	-197.85	-3.17	10.86
99	6	267.50	-218.45	-24.72	-2.07	-392.43	-32.50	-7.79
99	7	231.00	-190.18	-19.97	-0.83	-132.67	-6.20	13.87
99	7	249.25	-188.04	-19.97	-0.83	-132.67	-5.82	7.79
99	7	267.50	-185.90	-25.43	-1.20	-362.79	-21.54	-7.23
99	8	231.00	-238.05	-17.79	-1.78	-219.66	-2.67	15.20
99	8	249.25	-235.90	-17.79	-1.78	-219.66	-2.32	11.18
99	8	267.50	-234.81	-25.00	-2.20	-413.19	-33.79	-7.68
99	9	231.00	-214.52	-19.67	-1.04	-165.08	-4.80	13.79
99	9	249.25	-212.26	-19.67	-1.04	-165.08	-4.43	8.29
99	9	267.50	-210.40	-25.87	-1.42	-393.70	-23.61	-7.06
99	10	231.00	-262.39	-17.49	-1.98	-252.06	-1.26	15.12
99	10	249.25	-260.11	-17.49	-1.98	-252.06	-0.93	11.69
99	10	267.50	-259.32	-25.44	-2.43	-444.10	-35.85	-7.51
99	11	231.00	-230.78	-19.46	-1.16	-186.89	-3.94	13.72
99	11	249.25	-228.44	-19.46	-1.16	-186.89	-3.58	8.61
99	11	267.50	-226.76	-26.15	-1.56	-414.46	-24.90	-6.95
99	12	231.00	-278.66	-17.28	-2.11	-273.88	-0.41	15.05
99	12	249.25	-276.29	-17.28	-2.11	-273.88	-0.08	12.01
99	12	267.50	-275.68	-25.71	-2.56	-464.86	-37.15	-7.41
99	13	231.00	-214.57	-19.65	-1.02	-165.39	-4.92	13.77
99	13	249.25	-212.31	-19.65	-1.02	-165.39	-4.55	8.27
99	13	267.50	-210.44	-25.85	-1.41	-393.94	-23.49	-7.07
99	14	231.00	-262.45	-17.48	-1.97	-252.38	-1.38	15.10
99	14	249.25	-260.17	-17.48	-1.97	-252.38	-1.05	11.66
99	14	267.50	-259.36	-25.42	-2.41	-444.34	-35.74	-7.52
99	15	231.00	-230.83	-19.44	-1.15	-187.21	-4.06	13.71
99	15	249.25	-228.49	-19.44	-1.15	-187.21	-3.70	8.59
99	15	267.50	-226.81	-26.13	-1.54	-414.71	-24.78	-6.96
99	16	231.00	-278.71	-17.26	-2.09	-274.19	-0.53	15.04
99	16	249.25	-276.34	-17.26	-2.09	-274.19	-0.20	11.98
99	16	267.50	-275.72	-25.70	-2.55	-465.11	-37.03	-7.41
...								
99	203	267.50	-187.03	-19.65	-1.62	-328.65	-24.57	-5.68
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-278.73	-34.52	-31.81	-465.19	-268.55	-79.24
			-130.36	3.92	28.11	-37.03	248.28	95.31

Macro	Tipo	Angolo 1-Z (gradi)
100	**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
100	1	231.00	-179.32	-16.20	-1.20	-127.18	12.51	-1.49
100	1	249.25	-177.14	-16.20	-1.20	-127.18	12.62	4.15
100	1	267.50	-172.24	-21.34	-1.17	-339.66	-6.73	2.57
100	2	231.00	-229.36	-13.26	-1.71	-217.03	17.57	-1.51
100	2	249.25	-227.11	-13.26	-1.71	-217.03	17.72	5.85
100	2	267.50	-222.74	-20.22	-1.69	-390.56	-9.91	3.23
100	3	231.00	-195.87	-15.89	-1.24	-149.77	12.89	-1.45
100	3	249.25	-193.60	-15.89	-1.24	-149.77	13.00	4.32
100	3	267.50	-188.82	-21.54	-1.22	-360.89	-7.03	2.61
100	4	231.00	-245.91	-12.95	-1.75	-239.62	17.95	-1.46
100	4	249.25	-243.57	-12.95	-1.75	-239.62	18.11	6.02
100	4	267.50	-239.32	-20.41	-1.73	-411.79	-10.21	3.27
100	5	231.00	-179.31	-16.21	-1.19	-126.93	12.45	-1.51
100	5	249.25	-177.13	-16.21	-1.19	-126.93	12.56	4.14
100	5	267.50	-172.23	-21.36	-1.17	-339.50	-6.66	2.56
100	6	231.00	-229.35	-13.27	-1.70	-216.78	17.52	-1.52
100	6	249.25	-227.10	-13.27	-1.70	-216.78	17.67	5.84
100	6	267.50	-222.74	-20.23	-1.68	-390.40	-9.85	3.22
100	7	231.00	-195.86	-15.91	-1.23	-149.52	12.83	-1.46
100	7	249.25	-193.59	-15.91	-1.23	-149.52	12.95	4.31
100	7	267.50	-188.81	-21.55	-1.21	-360.73	-6.96	2.60
100	8	231.00	-245.90	-12.96	-1.74	-239.37	17.89	-1.48
100	8	249.25	-243.56	-12.96	-1.74	-239.37	18.05	6.01
100	8	267.50	-239.32	-20.43	-1.72	-411.63	-10.15	3.26
100	9	231.00	-220.70	-15.43	-1.30	-183.66	13.46	-1.38
100	9	249.25	-218.29	-15.43	-1.30	-183.66	13.58	4.57
100	9	267.50	-213.69	-21.83	-1.28	-392.73	-7.48	2.66
100	10	231.00	-270.73	-12.49	-1.81	-273.51	18.52	-1.39
100	10	249.25	-268.27	-12.49	-1.81	-273.51	18.68	6.27
100	10	267.50	-264.19	-20.70	-1.79	-443.63	-10.66	3.32
100	11	231.00	-237.24	-15.13	-1.34	-206.25	13.84	-1.33
100	11	249.25	-234.75	-15.13	-1.34	-206.25	13.96	4.74
100	11	267.50	-230.27	-22.02	-1.32	-413.96	-7.77	2.70
100	12	231.00	-287.28	-12.19	-1.85	-296.10	18.90	-1.34
100	12	249.25	-284.73	-12.19	-1.85	-296.10	19.07	6.44
100	12	267.50	-280.78	-20.90	-1.84	-464.86	-10.96	3.36
100	13	231.00	-220.68	-15.45	-1.29	-183.41	13.40	-1.39
100	13	249.25	-218.28	-15.45	-1.29	-183.41	13.52	4.56
100	13	267.50	-213.69	-21.84	-1.27	-392.57	-7.41	2.66
100	14	231.00	-270.72	-12.51	-1.80	-273.26	18.46	-1.41
100	14	249.25	-268.25	-12.51	-1.80	-273.26	18.63	6.27
100	14	267.50	-264.19	-20.72	-1.79	-443.47	-10.60	3.32
100	15	231.00	-237.23	-15.14	-1.34	-206.01	13.78	-1.35
100	15	249.25	-234.74	-15.14	-1.34	-206.01	13.91	4.73
100	15	267.50	-230.27	-22.04	-1.32	-413.80	-7.71	2.70
100	16	231.00	-287.27	-12.20	-1.84	-295.86	18.84	-1.36
100	16	249.25	-284.71	-12.20	-1.84	-295.86	19.01	6.43
100	16	267.50	-280.77	-20.91	-1.83	-464.69	-10.90	3.36
...								
100	203	267.50	-190.38	-16.18	-1.25	-327.99	-7.41	2.40
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-287.28	-32.47	-28.94	-493.22	-226.21	-73.53
			-132.49	6.46	27.25	58.53	231.10	78.08

Macro	Tipo	Angolo 1-Z (gradi)
101	**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
101	1	231.00	-181.33	-15.53	-0.88	-131.53	6.27	1.09
101	1	249.25	-179.11	-15.53	-0.88	-131.53	6.35	3.30
101	1	267.50	-173.62	-20.70	-0.88	-343.65	-7.91	0.10
101	2	231.00	-232.20	-12.29	-1.01	-222.03	7.08	1.32
101	2	249.25	-229.89	-12.29	-1.01	-222.03	7.17	3.89
101	2	267.50	-224.70	-19.29	-1.02	-394.68	-9.33	0.10
101	3	231.00	-197.98	-15.19	-0.89	-154.43	6.37	1.11
101	3	249.25	-195.68	-15.19	-0.89	-154.43	6.45	3.35
101	3	267.50	-190.28	-20.86	-0.90	-365.10	-8.03	0.11
101	4	231.00	-248.85	-11.95	-1.03	-244.92	7.17	1.34
101	4	249.25	-246.46	-11.95	-1.03	-244.92	7.26	3.95
101	4	267.50	-241.35	-19.45	-1.04	-416.14	-9.46	0.11
101	5	231.00	-181.24	-15.57	-0.88	-130.93	6.26	1.09
101	5	249.25	-179.03	-15.57	-0.88	-130.93	6.34	3.29
101	5	267.50	-173.57	-20.74	-0.88	-343.24	-7.89	0.10
101	6	231.00	-232.11	-12.33	-1.01	-221.42	7.07	1.32
101	6	249.25	-229.81	-12.33	-1.01	-221.42	7.16	3.89
101	6	267.50	-224.64	-19.34	-1.02	-394.27	-9.31	0.10
101	7	231.00	-197.90	-15.23	-0.89	-153.82	6.35	1.10
101	7	249.25	-195.59	-15.23	-0.89	-153.82	6.44	3.35
101	7	267.50	-190.22	-20.90	-0.89	-364.69	-8.02	0.10
101	8	231.00	-248.76	-11.99	-1.03	-244.32	7.16	1.33
101	8	249.25	-246.37	-11.99	-1.03	-244.32	7.25	3.95
101	8	267.50	-241.30	-19.50	-1.04	-415.72	-9.44	0.11
101	9	231.00	-222.97	-14.68	-0.91	-188.77	6.50	1.13
101	9	249.25	-220.52	-14.68	-0.91	-188.77	6.59	3.44
101	9	267.50	-215.27	-21.10	-0.92	-397.28	-8.22	0.12
101	10	231.00	-273.83	-11.44	-1.05	-279.26	7.31	1.36
101	10	249.25	-271.31	-11.44	-1.05	-279.26	7.40	4.03

101	10	267.50	-266.34	-19.69	-1.06	-448.31	-9.64	0.12
101	11	231.00	-239.62	-14.34	-0.93	-211.66	6.60	1.15
101	11	249.25	-237.09	-14.34	-0.93	-211.66	6.68	3.49
101	11	267.50	-231.93	-21.26	-0.93	-418.74	-8.34	0.12
101	12	231.00	-290.49	-11.10	-1.06	-302.15	7.40	1.38
101	12	249.25	-287.87	-11.10	-1.06	-302.15	7.49	4.09
101	12	267.50	-283.00	-19.85	-1.07	-469.77	-9.77	0.13
101	13	231.00	-222.88	-14.72	-0.91	-188.16	6.49	1.13
101	13	249.25	-220.44	-14.72	-0.91	-188.16	6.57	3.43
101	13	267.50	-215.21	-21.15	-0.91	-396.87	-8.20	0.12
101	14	231.00	-273.74	-11.48	-1.05	-278.66	7.30	1.36
101	14	249.25	-271.22	-11.48	-1.05	-278.66	7.39	4.03
101	14	267.50	-266.28	-19.74	-1.06	-447.90	-9.63	0.12
101	15	231.00	-239.53	-14.38	-0.92	-211.06	6.58	1.14
101	15	249.25	-237.00	-14.38	-0.92	-211.06	6.67	3.49
101	15	267.50	-231.87	-21.31	-0.93	-418.32	-8.33	0.12
101	16	231.00	-290.40	-11.14	-1.06	-301.55	7.39	1.37
101	16	249.25	-287.79	-11.14	-1.06	-301.55	7.48	4.09
101	16	267.50	-282.94	-19.90	-1.07	-469.35	-9.75	0.13
...								
101	203	267.50	-191.87	-15.49	-0.78	-331.45	-7.07	0.09
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-290.51	-29.45	-28.99	-531.88	-226.95	-74.19
			-133.49	5.95	28.64	65.32	224.95	72.47

Macro	Tipo	Angolo 1-Z (gradi)
102	**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
102	1	231.00	-184.27	-14.83	-1.11	-141.23	9.13	-0.27
102	1	249.25	-182.03	-14.83	-1.11	-141.23	9.15	2.36
102	1	267.50	-176.08	-20.07	-1.09	-350.86	-8.93	-0.19
102	2	231.00	-235.14	-11.59	-0.97	-231.72	8.33	-0.50
102	2	249.25	-232.82	-11.59	-0.97	-231.72	8.34	1.77
102	2	267.50	-227.15	-18.66	-0.95	-401.89	-7.51	-0.19
102	3	231.00	-200.93	-14.49	-1.09	-164.12	9.04	-0.28
102	3	249.25	-198.60	-14.49	-1.09	-164.12	9.06	2.31
102	3	267.50	-192.73	-20.23	-1.08	-372.31	-8.81	-0.20
102	4	231.00	-251.79	-11.25	-0.96	-254.61	8.24	-0.51
102	4	249.25	-249.38	-11.25	-0.96	-254.61	8.24	1.71
102	4	267.50	-243.81	-18.82	-0.93	-423.34	-7.38	-0.20
102	5	231.00	-184.19	-14.87	-1.11	-140.62	9.14	-0.26
102	5	249.25	-181.95	-14.87	-1.11	-140.62	9.16	2.36
102	5	267.50	-176.02	-20.11	-1.09	-350.44	-8.95	-0.19
102	6	231.00	-235.05	-11.63	-0.97	-231.12	8.34	-0.49
102	6	249.25	-232.73	-11.63	-0.97	-231.12	8.35	1.77
102	6	267.50	-227.09	-18.71	-0.95	-401.48	-7.53	-0.19
102	7	231.00	-200.84	-14.53	-1.09	-163.52	9.05	-0.28
102	7	249.25	-198.51	-14.53	-1.09	-163.52	9.07	2.31
102	7	267.50	-192.68	-20.27	-1.08	-371.90	-8.82	-0.19
102	8	231.00	-251.71	-11.29	-0.96	-254.01	8.25	-0.51
102	8	249.25	-249.30	-11.29	-0.96	-254.01	8.25	1.71
102	8	267.50	-243.75	-18.87	-0.94	-422.93	-7.40	-0.20
102	9	231.00	-225.91	-13.98	-1.07	-198.46	8.90	-0.31
102	9	249.25	-223.45	-13.98	-1.07	-198.46	8.92	2.22
102	9	267.50	-217.72	-20.47	-1.06	-404.49	-8.62	-0.21
102	10	231.00	-276.77	-10.74	-0.94	-288.95	8.10	-0.54
102	10	249.25	-274.23	-10.74	-0.94	-288.95	8.10	1.63
102	10	267.50	-268.79	-19.06	-0.91	-455.52	-7.20	-0.21
102	11	231.00	-242.56	-13.64	-1.06	-221.36	8.81	-0.32
102	11	249.25	-240.01	-13.64	-1.06	-221.36	8.82	2.17
102	11	267.50	-234.38	-20.63	-1.04	-425.94	-8.50	-0.21
102	12	231.00	-293.43	-10.40	-0.92	-311.85	8.01	-0.55
102	12	249.25	-290.79	-10.40	-0.92	-311.85	8.01	1.57
102	12	267.50	-285.45	-19.22	-0.90	-476.97	-7.07	-0.22
102	13	231.00	-225.82	-14.02	-1.07	-197.86	8.91	-0.30
102	13	249.25	-223.36	-14.02	-1.07	-197.86	8.93	2.22
102	13	267.50	-217.66	-20.52	-1.06	-404.08	-8.64	-0.20
102	14	231.00	-276.69	-10.78	-0.94	-288.35	8.11	-0.53
102	14	249.25	-274.14	-10.78	-0.94	-288.35	8.12	1.63
102	14	267.50	-268.74	-19.11	-0.92	-455.11	-7.21	-0.21
102	15	231.00	-242.48	-13.68	-1.06	-220.75	8.82	-0.31
102	15	249.25	-239.93	-13.68	-1.06	-220.75	8.83	2.17
102	15	267.50	-234.32	-20.68	-1.04	-425.53	-8.51	-0.21
102	16	231.00	-293.34	-10.44	-0.93	-311.24	8.02	-0.55
102	16	249.25	-290.71	-10.44	-0.93	-311.24	8.02	1.57
102	16	267.50	-285.39	-19.27	-0.90	-476.56	-7.09	-0.22
...								
102	203	267.50	-193.75	-15.00	-0.74	-336.99	-5.89	-0.16
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-293.46	-29.03	-30.37	-537.88	-239.54	-68.48
			-135.37	6.55	27.46	58.38	239.39	79.15

Macro	Tipo	Angolo 1-Z (gradi)
103	**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
103	1	231.00	-204.93	-20.00	-0.40	-204.68	-0.40	2.16
103	1	249.25	-202.62	-20.00	-0.40	-204.68	-0.44	0.27
103	1	267.50	-200.28	-26.52	-0.42	-447.34	-7.27	-3.08
103	2	231.00	-254.97	-17.06	0.11	-294.53	-5.46	2.17
103	2	249.25	-252.59	-17.06	0.11	-294.53	-5.54	-1.43
103	2	267.50	-250.79	-25.39	0.10	-498.24	-4.08	-3.74
103	3	231.00	-221.48	-19.70	-0.36	-227.27	-0.77	2.11
103	3	249.25	-219.08	-19.70	-0.36	-227.27	-0.82	0.10
103	3	267.50	-216.87	-26.71	-0.37	-468.57	-6.97	-3.11
103	4	231.00	-271.52	-16.76	0.15	-317.13	-5.84	2.12
103	4	249.25	-269.05	-16.76	0.15	-317.13	-5.92	-1.60
103	4	267.50	-267.37	-25.58	0.14	-519.47	-3.78	-3.77
103	5	231.00	-204.92	-20.02	-0.41	-204.43	-0.34	2.17
103	5	249.25	-202.61	-20.02	-0.41	-204.43	-0.38	0.28
103	5	267.50	-200.28	-26.53	-0.42	-447.18	-7.33	-3.07
103	6	231.00	-254.96	-17.08	0.10	-294.28	-5.40	2.19
103	6	249.25	-252.58	-17.08	0.10	-294.28	-5.49	-1.42
103	6	267.50	-250.79	-25.41	0.09	-498.08	-4.15	-3.73
103	7	231.00	-221.47	-19.71	-0.37	-227.03	-0.72	2.13
103	7	249.25	-219.07	-19.71	-0.37	-227.03	-0.76	0.11
103	7	267.50	-216.86	-26.73	-0.38	-468.41	-7.03	-3.11
103	8	231.00	-271.50	-16.77	0.14	-316.88	-5.78	2.14
103	8	249.25	-269.04	-16.77	0.14	-316.88	-5.87	-1.59
103	8	267.50	-267.37	-25.60	0.13	-519.30	-3.85	-3.77
103	9	231.00	-246.30	-19.24	-0.30	-261.17	-1.34	2.04
103	9	249.25	-243.77	-19.24	-0.30	-261.17	-1.40	-0.15
103	9	267.50	-241.74	-27.00	-0.31	-500.41	-6.52	-3.17
103	10	231.00	-296.34	-16.30	0.21	-351.02	-6.40	2.05
103	10	249.25	-293.75	-16.30	0.21	-351.02	-6.50	-1.86
103	10	267.50	-292.24	-25.87	0.20	-551.31	-3.33	-3.83
103	11	231.00	-262.85	-18.93	-0.26	-283.76	-1.72	2.00
103	11	249.25	-260.24	-18.93	-0.26	-283.76	-1.78	-0.32
103	11	267.50	-258.32	-27.19	-0.27	-521.64	-6.22	-3.21
103	12	231.00	-312.89	-15.99	0.25	-373.61	-6.78	2.01
103	12	249.25	-310.21	-15.99	0.25	-373.61	-6.88	-2.03
103	12	267.50	-308.82	-26.07	0.25	-572.54	-3.04	-3.87
103	13	231.00	-246.29	-19.25	-0.31	-260.92	-1.29	2.06
103	13	249.25	-243.76	-19.25	-0.31	-260.92	-1.34	-0.15
103	13	267.50	-241.73	-27.02	-0.32	-500.25	-6.58	-3.17
103	14	231.00	-296.33	-16.31	0.20	-350.77	-6.35	2.07
103	14	249.25	-293.73	-16.31	0.20	-350.77	-6.45	-1.85
103	14	267.50	-292.24	-25.89	0.20	-551.15	-3.40	-3.83
103	15	231.00	-262.84	-18.95	-0.26	-283.51	-1.67	2.01
103	15	249.25	-260.22	-18.95	-0.26	-283.51	-1.72	-0.32
103	15	267.50	-258.32	-27.21	-0.27	-521.48	-6.28	-3.20
103	16	231.00	-312.88	-16.01	0.24	-373.36	-6.73	2.03
103	16	249.25	-310.20	-16.01	0.24	-373.36	-6.83	-2.02
103	16	267.50	-308.82	-26.08	0.24	-572.37	-3.10	-3.86
...								
103	203	267.50	-211.95	-20.16	0.03	-410.82	-3.36	-2.79
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-312.89	-36.43	-28.69	-580.78	-231.20	-75.32
			-154.06	3.49	27.91	3.34	223.65	77.57

Macro	Tipo	Angolo 1-Z (gradi)
104	**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
104	1	231.00	-200.99	-23.78	0.53	-194.35	8.98	-13.52
104	1	249.25	-198.80	-23.78	0.53	-194.35	8.61	-6.46
104	1	267.50	-198.91	-30.14	0.91	-454.94	19.80	8.54
104	2	231.00	-248.87	-21.61	1.47	-281.34	5.45	-14.85
104	2	249.25	-246.65	-21.61	1.47	-281.34	5.11	-9.85
104	2	267.50	-247.83	-29.71	1.91	-505.34	32.04	8.99
104	3	231.00	-217.25	-23.57	0.65	-216.16	8.13	-13.45
104	3	249.25	-214.98	-23.57	0.65	-216.16	7.76	-6.78
104	3	267.50	-215.27	-30.42	1.05	-475.71	21.09	8.43
104	4	231.00	-265.13	-21.40	1.60	-303.15	4.59	-14.78
104	4	249.25	-262.83	-21.40	1.60	-303.15	4.26	-10.17
104	4	267.50	-264.19	-29.99	2.05	-526.11	33.34	8.88
104	5	231.00	-201.04	-23.76	0.51	-194.67	9.10	-13.51
104	5	249.25	-198.85	-23.76	0.51	-194.67	8.72	-6.43
104	5	267.50	-198.95	-30.13	0.89	-455.19	19.68	8.55
104	6	231.00	-248.92	-21.59	1.46	-281.66	5.57	-14.84
104	6	249.25	-246.71	-21.59	1.46	-281.66	5.22	-9.83
104	6	267.50	-247.87	-29.69	1.90	-505.59	31.93	9.00
104	7	231.00	-217.31	-23.55	0.64	-216.48	8.25	-13.44
104	7	249.25	-215.03	-23.55	0.64	-216.48	7.87	-6.75
104	7	267.50	-215.31	-30.40	1.03	-475.95	20.97	8.44
104	8	231.00	-265.18	-21.38	1.58	-303.47	4.71	-14.77
104	8	249.25	-262.89	-21.38	1.58	-303.47	4.38	-10.15
104	8	267.50	-264.23	-29.97	2.04	-526.35	33.22	8.89
104	9	231.00	-241.65	-23.25	0.84	-248.88	6.84	-13.35
104	9	249.25	-239.25	-23.25	0.84	-248.88	6.49	-7.26
104	9	267.50	-239.82	-30.84	1.25	-506.86	23.03	8.27
104	10	231.00	-289.52	-21.08	1.79	-335.87	3.31	-14.68
104	10	249.25	-287.10	-21.08	1.79	-335.87	2.99	-10.65
104	10	267.50	-288.74	-30.41	2.26	-557.26	35.28	8.72
104	11	231.00	-257.91	-23.04	0.97	-270.69	5.99	-13.29
104	11	249.25	-255.43	-23.04	0.97	-270.69	5.64	-7.58

104	11	267.50	-256.18	-31.12	1.39	-527.62	24.33	8.16
104	12	231.00	-305.79	-20.87	1.91	-357.68	2.45	-14.62
104	12	249.25	-303.28	-20.87	1.91	-357.68	2.14	-10.97
104	12	267.50	-305.10	-30.69	2.39	-578.02	36.58	8.61
104	13	231.00	-241.70	-23.24	0.83	-249.20	6.96	-13.34
104	13	249.25	-239.30	-23.24	0.83	-249.20	6.60	-7.23
104	13	267.50	-239.86	-30.82	1.24	-507.10	22.92	8.27
104	14	231.00	-289.58	-21.06	1.77	-336.19	3.43	-14.67
104	14	249.25	-287.15	-21.06	1.77	-336.19	3.10	-10.63
104	14	267.50	-288.78	-30.39	2.24	-557.50	35.16	8.73
104	15	231.00	-257.96	-23.02	0.95	-271.01	6.11	-13.27
104	15	249.25	-255.48	-23.02	0.95	-271.01	5.75	-7.55
104	15	267.50	-256.22	-31.10	1.38	-527.87	24.21	8.17
104	16	231.00	-305.84	-20.85	1.90	-358.00	2.57	-14.60
104	16	249.25	-303.33	-20.85	1.90	-358.00	2.25	-10.95
104	16	267.50	-305.14	-30.67	2.38	-578.27	36.46	8.62
...								
104	203	267.50	-209.66	-23.47	1.49	-415.69	24.13	6.61
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-305.86	-38.41	-28.90	-578.35	-251.48	-96.27
			-152.90	1.25	32.27	-95.33	272.83	82.00

Macro	Tipo	Angolo 1-Z (gradi)
105	**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
105	1	231.00	-140.10	15.72	10.51	-699.51	-141.95	109.40
105	1	249.25	-142.05	15.72	10.51	-699.51	-139.19	-16.46
105	1	267.50	-120.34	5.51	10.09	-577.72	41.99	-36.57
105	2	231.00	-175.80	21.96	13.50	-935.65	-182.69	116.75
105	2	249.25	-178.60	21.96	13.50	-935.65	-179.98	-19.87
105	2	267.50	-152.58	7.26	13.30	-746.40	52.82	-41.55
105	3	231.00	-149.33	16.34	10.60	-743.94	-142.54	109.52
105	3	249.25	-151.40	16.34	10.60	-743.94	-139.75	-16.80
105	3	267.50	-129.38	5.32	10.26	-619.93	43.48	-36.82
105	4	231.00	-185.02	22.58	13.59	-980.09	-183.28	116.87
105	4	249.25	-187.96	22.58	13.59	-980.09	-180.54	-20.21
105	4	267.50	-161.62	7.07	13.47	-788.60	54.31	-41.79
105	5	231.00	-140.15	15.74	10.50	-699.82	-141.87	109.40
105	5	249.25	-142.09	15.74	10.50	-699.82	-139.11	-16.43
105	5	267.50	-120.35	5.54	10.08	-578.03	41.90	-36.56
105	6	231.00	-175.84	21.97	13.49	-935.96	-182.60	116.76
105	6	249.25	-178.65	21.97	13.49	-935.96	-179.90	-19.84
105	6	267.50	-152.60	7.28	13.29	-746.70	52.73	-41.54
105	7	231.00	-149.37	16.36	10.59	-744.25	-142.45	109.52
105	7	249.25	-151.45	16.36	10.59	-744.25	-139.66	-16.77
105	7	267.50	-129.40	5.35	10.24	-620.23	43.40	-36.81
105	8	231.00	-185.07	22.59	13.58	-980.40	-183.19	116.88
105	8	249.25	-188.01	22.59	13.58	-980.40	-180.46	-20.18
105	8	267.50	-161.64	7.10	13.46	-788.90	54.22	-41.79
105	9	231.00	-163.17	17.27	10.73	-810.60	-143.42	109.69
105	9	249.25	-165.44	17.27	10.73	-810.60	-140.58	-17.30
105	9	267.50	-142.94	5.04	10.51	-683.23	45.72	-37.19
105	10	231.00	-198.86	23.50	13.72	-1046.75	-184.16	117.05
105	10	249.25	-202.00	23.50	13.72	-1046.75	-181.37	-20.71
105	10	267.50	-175.19	6.79	13.72	-851.90	56.55	-42.17
105	11	231.00	-172.39	17.88	10.82	-855.03	-144.01	109.81
105	11	249.25	-174.80	17.88	10.82	-855.03	-141.14	-17.63
105	11	267.50	-151.98	4.85	10.68	-725.43	47.21	-37.44
105	12	231.00	-208.09	24.12	13.81	-1091.18	-184.75	117.16
105	12	249.25	-211.36	24.12	13.81	-1091.18	-181.93	-21.04
105	12	267.50	-184.23	6.60	13.89	-894.10	58.04	-42.41
105	13	231.00	-163.21	17.28	10.72	-810.91	-143.33	109.70
105	13	249.25	-165.49	17.28	10.72	-810.91	-140.50	-17.27
105	13	267.50	-142.96	5.07	10.50	-683.53	45.64	-37.18
105	14	231.00	-198.91	23.51	13.71	-1047.06	-184.07	117.05
105	14	249.25	-202.05	23.51	13.71	-1047.06	-181.29	-20.68
105	14	267.50	-175.21	6.81	13.71	-852.20	56.46	-42.16
105	15	231.00	-172.44	17.90	10.81	-855.34	-143.92	109.81
105	15	249.25	-174.85	17.90	10.81	-855.34	-141.05	-17.60
105	15	267.50	-152.00	4.88	10.67	-725.73	47.13	-37.43
105	16	231.00	-208.14	24.13	13.80	-1091.49	-184.66	117.17
105	16	249.25	-211.40	24.13	13.80	-1091.49	-181.85	-21.01
105	16	267.50	-184.25	6.62	13.88	-894.41	57.96	-42.41
...								
105	203	267.50	-126.65	4.83	9.78	-613.26	40.83	-31.25
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-211.42	-13.77	-10.99	-1091.60	-304.45	-91.14
			-80.02	33.99	31.70	-279.17	210.93	121.62

Macro	Tipo	Angolo 1-Z (gradi)
108	**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

108	1	269.50	-28.58	-1.43	-0.10	60.68	1.86	20.10
108	1	287.75	-29.46	-1.43	-0.10	60.68	1.68	5.08
108	1	306.00	-15.89	5.35	-1.57	-34.96	-16.84	-2.54
108	2	269.50	-28.67	-2.01	-2.69	121.94	37.92	4.34
108	2	287.75	-30.11	-2.01	-2.69	121.94	37.39	11.26
108	2	306.00	-16.34	6.41	-3.10	-30.93	-23.12	6.05
108	3	269.50	-33.98	-2.29	-0.67	58.77	2.78	23.97
108	3	287.75	-34.99	-2.29	-0.67	58.77	2.75	8.37
108	3	306.00	-21.63	5.17	-2.14	-55.43	-27.40	-9.32
108	4	269.50	-34.07	-2.87	-3.26	120.03	38.84	8.20
108	4	287.75	-35.63	-2.87	-3.26	120.03	38.46	14.55
108	4	306.00	-22.08	6.23	-3.67	-51.40	-33.68	-0.72
108	5	269.50	-28.51	-1.41	-0.09	60.13	1.76	20.04
108	5	287.75	-29.39	-1.41	-0.09	60.13	1.58	4.99
108	5	306.00	-15.86	5.37	-1.56	-35.10	-16.75	-2.58
108	6	269.50	-28.60	-1.99	-2.68	121.40	37.82	4.27
108	6	287.75	-30.04	-1.99	-2.68	121.40	37.29	11.17
108	6	306.00	-16.31	6.44	-3.09	-31.07	-23.03	6.01
108	7	269.50	-33.91	-2.27	-0.66	58.22	2.68	23.90
108	7	287.75	-34.92	-2.27	-0.66	58.22	2.65	8.28
108	7	306.00	-21.60	5.19	-2.13	-55.57	-27.31	-9.36
108	8	269.50	-34.00	-2.85	-3.25	119.48	38.74	8.13
108	8	287.75	-35.57	-2.85	-3.25	119.48	38.36	14.47
108	8	306.00	-22.05	6.26	-3.67	-51.54	-33.59	-0.76
108	9	269.50	-42.08	-3.57	-1.51	55.89	4.16	29.76
108	9	287.75	-43.28	-3.57	-1.51	55.89	4.35	13.31
108	9	306.00	-30.24	4.91	-3.00	-86.14	-43.24	-19.48
108	10	269.50	-42.17	-4.16	-4.10	117.16	40.22	13.99
108	10	287.75	-43.93	-4.16	-4.10	117.16	40.06	19.49
108	10	306.00	-30.69	5.97	-4.54	-82.11	-49.53	-10.89
108	11	269.50	-47.47	-4.43	-2.08	53.98	5.08	33.62
108	11	287.75	-48.81	-4.43	-2.08	53.98	5.42	16.60
108	11	306.00	-35.98	4.73	-3.58	-106.61	-53.81	-26.26
108	12	269.50	-47.57	-5.01	-4.67	115.24	41.13	17.86
108	12	287.75	-49.45	-5.01	-4.67	115.24	41.13	22.78
108	12	306.00	-36.43	5.79	-5.11	-102.58	-60.09	-17.67
108	13	269.50	-42.01	-3.56	-1.50	55.35	4.06	29.70
108	13	287.75	-43.21	-3.56	-1.50	55.35	4.25	13.22
108	13	306.00	-30.22	4.93	-3.00	-86.27	-43.15	-19.52
108	14	269.50	-42.10	-4.14	-4.09	116.61	40.12	13.93
108	14	287.75	-43.86	-4.14	-4.09	116.61	39.96	19.41
108	14	306.00	-30.66	5.99	-4.53	-82.24	-49.44	-10.93
108	15	269.50	-47.41	-4.41	-2.07	53.43	4.98	33.56
108	15	287.75	-48.74	-4.41	-2.07	53.43	5.32	16.52
108	15	306.00	-35.96	4.75	-3.57	-106.74	-53.72	-26.30
108	16	269.50	-47.50	-5.00	-4.66	114.70	41.03	17.79
108	16	287.75	-49.39	-5.00	-4.66	114.70	41.03	22.70
108	16	306.00	-36.40	5.82	-5.10	-102.71	-60.00	-17.70
...								
108	203	306.00	-23.17	4.36	-3.09	-63.01	-35.99	-10.04
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-65.88	-9.00	-11.90	-200.91	-126.80	-110.76
			-4.80	12.60	4.92	370.19	105.95	143.12

Macro	Tipo	Angolo 1-Z (gradi)
109	**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
109	1	269.50	-61.95	4.90	-0.88	-145.17	3.48	5.39
109	1	287.75	-60.28	4.90	-0.88	-145.17	3.44	8.19
109	1	306.00	-32.64	3.36	-0.09	-124.72	-8.28	-2.45
109	2	269.50	-61.28	1.83	-1.20	-91.65	4.79	9.47
109	2	287.75	-59.83	1.83	-1.20	-91.65	4.79	13.60
109	2	306.00	-31.15	0.62	-0.53	-111.22	-15.60	-4.40
109	3	269.50	-74.77	3.62	-0.93	-184.76	4.18	5.02
109	3	287.75	-73.04	3.62	-0.93	-184.76	4.12	8.36
109	3	306.00	-45.40	2.15	-0.03	-181.22	-7.55	-1.53
109	4	269.50	-74.09	0.55	-1.24	-131.24	5.49	9.10
109	4	287.75	-72.59	0.55	-1.24	-131.24	5.47	13.77
109	4	306.00	-43.91	-0.59	-0.47	-167.72	-14.87	-3.47
109	5	269.50	-61.93	4.91	-0.87	-145.36	3.33	5.36
109	5	287.75	-60.26	4.91	-0.87	-145.36	3.30	8.09
109	5	306.00	-32.64	3.37	-0.08	-124.75	-8.13	-2.49
109	6	269.50	-61.25	1.84	-1.19	-91.84	4.65	9.45
109	6	287.75	-59.81	1.84	-1.19	-91.84	4.65	13.50
109	6	306.00	-31.15	0.63	-0.51	-111.25	-15.46	-4.43
109	7	269.50	-74.74	3.63	-0.91	-184.95	4.04	5.00
109	7	287.75	-73.01	3.63	-0.91	-184.95	3.98	8.26
109	7	306.00	-45.40	2.16	-0.02	-181.25	-7.41	-1.56
109	8	269.50	-74.06	0.56	-1.23	-131.43	5.35	9.08
109	8	287.75	-72.57	0.56	-1.23	-131.43	5.32	13.67
109	8	306.00	-43.91	-0.58	-0.46	-167.75	-14.73	-3.50
109	9	269.50	-93.98	1.69	-0.99	-244.15	5.23	4.47
109	9	287.75	-92.17	1.69	-0.99	-244.15	5.13	8.60
109	9	306.00	-64.54	0.33	0.05	-265.97	-6.46	-0.14
109	10	269.50	-93.31	-1.38	-1.30	-190.62	6.55	8.55
109	10	287.75	-91.73	-1.38	-1.30	-190.62	6.48	14.01
109	10	306.00	-63.05	-2.41	-0.39	-252.46	-13.78	-2.08
109	11	269.50	-106.80	0.41	-1.03	-283.74	5.94	4.10
109	11	287.75	-104.93	0.41	-1.03	-283.74	5.81	8.77
109	11	306.00	-77.30	-0.89	0.11	-322.47	-5.73	0.79
109	12	269.50	-106.12	-2.66	-1.34	-230.21	7.25	8.18

109	12	287.75	-104.48	-2.66	-1.34	-230.21	7.16	14.18
109	12	306.00	-75.81	-3.63	-0.33	-308.96	-13.05	-1.15
109	13	269.50	-93.96	1.70	-0.98	-244.33	5.09	4.44
109	13	287.75	-92.15	1.70	-0.98	-244.33	4.99	8.51
109	13	306.00	-64.54	0.34	0.07	-266.00	-6.32	-0.17
109	14	269.50	-93.28	-1.37	-1.29	-190.81	6.40	8.52
109	14	287.75	-91.70	-1.37	-1.29	-190.81	6.34	13.91
109	14	306.00	-63.05	-2.40	-0.37	-252.50	-13.64	-2.11
109	15	269.50	-106.77	0.42	-1.02	-283.92	5.79	4.07
109	15	287.75	-104.90	0.42	-1.02	-283.92	5.67	8.67
109	15	306.00	-77.30	-0.88	0.12	-322.50	-5.59	0.76
109	16	269.50	-106.09	-2.65	-1.33	-230.40	7.11	8.15
109	16	287.75	-104.46	-2.65	-1.33	-230.40	7.02	14.08
109	16	306.00	-75.81	-3.62	-0.31	-308.99	-12.91	-1.18
...								
109	203	306.00	-48.13	-1.14	-0.19	-194.21	-8.86	-1.21
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-106.81	-18.48	-12.90	-322.51	-142.72	-120.75
			-23.62	20.90	11.18	-58.06	145.93	143.64

Macro	Tipo	Angolo 1-Z (gradi)
110	**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
110	1	269.50	-63.26	8.26	-0.29	-151.23	4.91	-0.99
110	1	287.75	-61.58	8.26	-0.29	-151.23	4.72	5.79
110	1	306.00	-33.58	6.68	-0.26	-127.58	-2.56	1.57
110	2	269.50	-63.88	5.63	-0.53	-101.96	8.05	-1.24
110	2	287.75	-62.37	5.63	-0.53	-101.96	7.80	8.49
110	2	306.00	-33.17	4.58	-0.45	-118.91	-4.46	2.47
110	3	269.50	-75.68	7.38	-0.29	-189.13	4.86	-0.83
110	3	287.75	-73.95	7.38	-0.29	-189.13	4.67	6.07
110	3	306.00	-45.93	5.86	-0.27	-181.78	-2.79	1.45
110	4	269.50	-76.30	4.75	-0.53	-139.86	8.00	-1.08
110	4	287.75	-74.74	4.75	-0.53	-139.86	7.75	8.76
110	4	306.00	-45.51	3.75	-0.46	-173.11	-4.70	2.35
110	5	269.50	-63.28	8.25	-0.28	-151.14	4.81	-1.02
110	5	287.75	-61.61	8.25	-0.28	-151.14	4.62	5.72
110	5	306.00	-33.60	6.68	-0.25	-127.54	-2.46	1.54
110	6	269.50	-63.91	5.62	-0.52	-101.87	7.95	-1.27
110	6	287.75	-62.40	5.62	-0.52	-101.87	7.70	8.42
110	6	306.00	-33.18	4.58	-0.44	-118.87	-4.36	2.44
110	7	269.50	-75.71	7.38	-0.28	-189.03	4.76	-0.86
110	7	287.75	-73.97	7.38	-0.28	-189.03	4.57	6.00
110	7	306.00	-45.94	5.85	-0.26	-181.74	-2.69	1.42
110	8	269.50	-76.33	4.75	-0.53	-139.76	7.91	-1.11
110	8	287.75	-74.77	4.75	-0.53	-139.76	7.65	8.69
110	8	306.00	-45.53	3.75	-0.45	-173.07	-4.60	2.31
110	9	269.50	-94.32	6.08	-0.29	-245.97	4.79	-0.59
110	9	287.75	-92.50	6.08	-0.29	-245.97	4.60	6.48
110	9	306.00	-64.45	4.61	-0.28	-263.08	-3.15	1.26
110	10	269.50	-94.94	3.45	-0.54	-196.70	7.93	-0.84
110	10	287.75	-93.29	3.45	-0.54	-196.70	7.68	9.17
110	10	306.00	-64.03	2.51	-0.47	-254.41	-5.05	2.16
110	11	269.50	-106.74	5.21	-0.30	-283.87	4.74	-0.43
110	11	287.75	-104.87	5.21	-0.30	-283.87	4.55	6.75
110	11	306.00	-76.79	3.79	-0.29	-317.28	-3.38	1.14
110	12	269.50	-107.36	2.58	-0.54	-234.60	7.88	-0.68
110	12	287.75	-105.66	2.58	-0.54	-234.60	7.63	9.45
110	12	306.00	-76.38	1.69	-0.48	-308.62	-5.29	2.04
110	13	269.50	-94.34	6.07	-0.29	-245.87	4.69	-0.62
110	13	287.75	-92.53	6.07	-0.29	-245.87	4.50	6.41
110	13	306.00	-64.46	4.61	-0.27	-263.04	-3.05	1.23
110	14	269.50	-94.97	3.44	-0.53	-196.61	7.83	-0.87
110	14	287.75	-93.32	3.44	-0.53	-196.61	7.58	9.11
110	14	306.00	-64.05	2.51	-0.46	-254.38	-4.95	2.13
110	15	269.50	-106.77	5.20	-0.29	-283.77	4.64	-0.46
110	15	287.75	-104.89	5.20	-0.29	-283.77	4.45	6.68
110	15	306.00	-76.81	3.79	-0.28	-317.25	-3.28	1.11
110	16	269.50	-107.39	2.57	-0.53	-234.50	7.78	-0.71
110	16	287.75	-105.69	2.57	-0.53	-234.50	7.53	9.38
110	16	306.00	-76.39	1.68	-0.47	-308.58	-5.19	2.00
...								
110	203	306.00	-48.66	2.47	-0.31	-194.68	-3.38	1.44
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-107.40	-14.79	-13.31	-317.30	-141.49	-126.67
			-25.41	21.52	12.12	-13.15	141.50	136.23

Macro	Tipo	Angolo 1-Z (gradi)
111	**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
111	1	269.50	-63.53	9.99	-0.30	-155.85	2.81	1.76
111	1	287.75	-61.85	9.99	-0.30	-155.85	2.74	5.77

111	1	306.00	-33.85	8.45	-0.31	-127.50	-4.79	-0.37
111	2	269.50	-64.43	8.04	-0.33	-105.73	3.10	2.10
111	2	287.75	-62.91	8.04	-0.33	-105.73	3.02	6.60
111	2	306.00	-33.49	7.00	-0.34	-118.14	-5.40	-0.38
111	3	269.50	-76.01	9.18	-0.30	-194.50	2.85	1.73
111	3	287.75	-74.28	9.18	-0.30	-194.50	2.78	5.83
111	3	306.00	-46.28	7.69	-0.30	-182.16	-4.75	-0.33
111	4	269.50	-76.91	7.23	-0.33	-144.39	3.14	2.06
111	4	287.75	-75.34	7.23	-0.33	-144.39	3.06	6.66
111	4	306.00	-45.92	6.24	-0.34	-172.80	-5.37	-0.34
111	5	269.50	-63.58	9.96	-0.30	-155.56	2.78	1.75
111	5	287.75	-61.90	9.96	-0.30	-155.56	2.71	5.75
111	5	306.00	-33.87	8.42	-0.30	-127.39	-4.75	-0.38
111	6	269.50	-64.47	8.01	-0.33	-105.44	3.07	2.08
111	6	287.75	-62.96	8.01	-0.33	-105.44	2.99	6.58
111	6	306.00	-33.51	6.97	-0.34	-118.03	-5.37	-0.40
111	7	269.50	-76.06	9.15	-0.30	-194.21	2.82	1.72
111	7	287.75	-74.33	9.15	-0.30	-194.21	2.75	5.80
111	7	306.00	-46.30	7.66	-0.30	-182.05	-4.72	-0.35
111	8	269.50	-76.96	7.20	-0.33	-144.09	3.11	2.05
111	8	287.75	-75.39	7.20	-0.33	-144.09	3.02	6.63
111	8	306.00	-45.94	6.21	-0.33	-172.69	-5.34	-0.36
111	9	269.50	-94.74	7.96	-0.30	-252.48	2.91	1.68
111	9	287.75	-92.92	7.96	-0.30	-252.48	2.83	5.91
111	9	306.00	-64.91	6.55	-0.30	-264.15	-4.71	-0.27
111	10	269.50	-95.64	6.01	-0.33	-202.36	3.19	2.02
111	10	287.75	-93.98	6.01	-0.33	-202.36	3.11	6.74
111	10	306.00	-64.55	5.10	-0.34	-254.79	-5.33	-0.29
111	11	269.50	-107.22	7.15	-0.30	-291.13	2.95	1.65
111	11	287.75	-105.35	7.15	-0.30	-291.13	2.86	5.96
111	11	306.00	-77.34	5.79	-0.30	-318.82	-4.68	-0.24
111	12	269.50	-108.12	5.20	-0.33	-241.01	3.23	1.98
111	12	287.75	-106.41	5.20	-0.33	-241.01	3.14	6.79
111	12	306.00	-76.98	4.34	-0.33	-309.45	-5.29	-0.25
111	13	269.50	-94.79	7.93	-0.29	-252.19	2.88	1.67
111	13	287.75	-92.97	7.93	-0.29	-252.19	2.80	5.89
111	13	306.00	-64.93	6.52	-0.30	-264.05	-4.68	-0.29
111	14	269.50	-95.68	5.98	-0.33	-202.07	3.16	2.00
111	14	287.75	-94.03	5.98	-0.33	-202.07	3.08	6.71
111	14	306.00	-64.57	5.07	-0.33	-254.68	-5.29	-0.30
111	15	269.50	-107.27	7.12	-0.29	-290.84	2.91	1.64
111	15	287.75	-105.40	7.12	-0.29	-290.84	2.83	5.94
111	15	306.00	-77.36	5.76	-0.30	-318.71	-4.64	-0.25
111	16	269.50	-108.17	5.17	-0.33	-240.72	3.20	1.97
111	16	287.75	-106.46	5.17	-0.33	-240.72	3.11	6.77
111	16	306.00	-77.00	4.31	-0.33	-309.35	-5.26	-0.26
...								
111	203	306.00	-49.05	4.30	-0.25	-195.08	-3.94	-0.22
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-108.18	-10.72	-15.15	-335.12	-165.03	-140.02
			-25.67	20.00	14.04	5.72	162.23	150.48

Macro	Tipo	Angolo 1-Z (gradi)
112	**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
112	1	269.50	-62.84	13.20	-0.53	-154.53	9.63	-2.23
112	1	287.75	-61.03	13.20	-0.53	-154.53	9.46	4.92
112	1	306.00	-33.99	11.51	-0.98	-128.02	-6.46	2.88
112	2	269.50	-63.73	11.25	-0.49	-104.41	9.34	-2.57
112	2	287.75	-62.09	11.25	-0.49	-104.41	9.18	4.09
112	2	306.00	-33.63	10.06	-0.95	-118.66	-5.84	2.89
112	3	269.50	-75.32	12.39	-0.53	-193.18	9.59	-2.20
112	3	287.75	-73.46	12.39	-0.53	-193.18	9.42	4.87
112	3	306.00	-46.41	10.75	-0.98	-182.68	-6.49	2.84
112	4	269.50	-76.22	10.44	-0.49	-143.06	9.30	-2.54
112	4	287.75	-74.52	10.44	-0.49	-143.06	9.14	4.04
112	4	306.00	-46.05	9.30	-0.95	-173.32	-5.88	2.85
112	5	269.50	-62.88	13.17	-0.53	-154.24	9.66	-2.22
112	5	287.75	-61.08	13.17	-0.53	-154.24	9.49	4.95
112	5	306.00	-34.01	11.49	-0.98	-127.91	-6.50	2.89
112	6	269.50	-63.78	11.22	-0.50	-104.12	9.37	-2.56
112	6	287.75	-62.14	11.22	-0.50	-104.12	9.21	4.12
112	6	306.00	-33.65	10.03	-0.95	-118.55	-5.88	2.90
112	7	269.50	-75.37	12.36	-0.53	-192.89	9.62	-2.19
112	7	287.75	-73.50	12.36	-0.53	-192.89	9.45	4.89
112	7	306.00	-46.43	10.73	-0.99	-182.58	-6.53	2.85
112	8	269.50	-76.27	10.41	-0.50	-142.77	9.34	-2.53
112	8	287.75	-74.57	10.41	-0.50	-142.77	9.17	4.06
112	8	306.00	-46.07	9.27	-0.95	-173.21	-5.91	2.86
112	9	269.50	-94.05	11.18	-0.53	-251.16	9.53	-2.16
112	9	287.75	-92.10	11.18	-0.53	-251.16	9.37	4.79
112	9	306.00	-65.05	9.61	-0.98	-264.67	-6.54	2.78
112	10	269.50	-94.95	9.22	-0.50	-201.04	9.25	-2.49
112	10	287.75	-93.16	9.22	-0.50	-201.04	9.09	3.96
112	10	306.00	-64.69	8.16	-0.95	-255.31	-5.92	2.79
112	11	269.50	-106.53	10.37	-0.53	-289.81	9.50	-2.12
112	11	287.75	-104.53	10.37	-0.53	-289.81	9.33	4.73
112	11	306.00	-77.47	8.85	-0.99	-319.34	-6.57	2.74
112	12	269.50	-107.43	8.41	-0.50	-239.69	9.21	-2.46
112	12	287.75	-105.59	8.41	-0.50	-239.69	9.06	3.91
112	12	306.00	-77.11	7.40	-0.95	-309.97	-5.95	2.75

112	13	269.50	-94.10	11.15	-0.53	-250.86	9.56	-2.14
112	13	287.75	-92.15	11.15	-0.53	-250.86	9.40	4.81
112	13	306.00	-65.07	9.59	-0.99	-264.57	-6.57	2.79
112	14	269.50	-94.99	9.19	-0.50	-200.75	9.28	-2.48
112	14	287.75	-93.21	9.19	-0.50	-200.75	9.12	3.98
112	14	306.00	-64.71	8.13	-0.95	-255.21	-5.96	2.80
112	15	269.50	-106.58	10.34	-0.53	-289.52	9.53	-2.11
112	15	287.75	-104.58	10.34	-0.53	-289.52	9.37	4.76
112	15	306.00	-77.49	8.83	-0.99	-319.23	-6.61	2.75
112	16	269.50	-107.48	8.38	-0.50	-239.40	9.24	-2.45
112	16	287.75	-105.64	8.38	-0.50	-239.40	9.09	3.93
112	16	306.00	-77.13	7.37	-0.96	-309.87	-5.99	2.77
...								
112	203	306.00	-49.15	6.65	-0.74	-195.48	-4.71	2.15
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-107.49	-8.24	-14.93	-334.19	-161.86	-136.89
			-25.78	22.68	14.45	6.76	163.53	149.59

Macro	Tipo	Angolo 1-Z (gradi)
113	**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
113	1	269.50	-65.25	7.62	-0.52	-186.71	-2.06	3.76
113	1	287.75	-63.91	7.62	-0.52	-186.71	-1.87	-0.86
113	1	306.00	-25.43	9.81	1.67	-92.42	8.27	5.60
113	2	269.50	-65.88	4.99	-0.27	-137.45	-5.20	4.01
113	2	287.75	-64.70	4.99	-0.27	-137.45	-4.96	-3.56
113	2	306.00	-25.01	7.71	1.86	-83.76	10.17	4.70
113	3	269.50	-77.68	6.75	-0.51	-224.61	-2.01	3.60
113	3	287.75	-76.28	6.75	-0.51	-224.61	-1.82	-1.13
113	3	306.00	-37.77	8.98	1.68	-146.62	8.50	5.72
113	4	269.50	-78.30	4.12	-0.27	-175.34	-5.15	3.85
113	4	287.75	-77.07	4.12	-0.27	-175.34	-4.91	-3.83
113	4	306.00	-37.36	6.88	1.87	-137.96	10.41	4.82
113	5	269.50	-65.28	7.62	-0.53	-186.62	-1.96	3.78
113	5	287.75	-63.94	7.62	-0.53	-186.62	-1.77	-0.79
113	5	306.00	-25.44	9.81	1.66	-92.38	8.17	5.63
113	6	269.50	-65.90	4.99	-0.28	-137.35	-5.10	4.04
113	6	287.75	-64.73	4.99	-0.28	-137.35	-4.85	-3.49
113	6	306.00	-25.02	7.71	1.85	-83.72	10.07	4.73
113	7	269.50	-77.70	6.74	-0.52	-224.51	-1.91	3.62
113	7	287.75	-76.30	6.74	-0.52	-224.51	-1.72	-1.07
113	7	306.00	-37.79	8.98	1.67	-146.59	8.40	5.75
113	8	269.50	-78.33	4.11	-0.28	-175.25	-5.05	3.88
113	8	287.75	-77.10	4.11	-0.28	-175.25	-4.81	-3.76
113	8	306.00	-37.37	6.88	1.86	-137.92	10.31	4.86
113	9	269.50	-96.31	5.44	-0.51	-281.45	-1.94	3.36
113	9	287.75	-94.83	5.44	-0.51	-281.45	-1.75	-1.55
113	9	306.00	-56.29	7.74	1.69	-227.93	8.86	5.91
113	10	269.50	-96.94	2.81	-0.26	-232.19	-5.08	3.61
113	10	287.75	-95.62	2.81	-0.26	-232.19	-4.83	-4.24
113	10	306.00	-55.87	5.64	1.88	-219.26	10.76	5.01
113	11	269.50	-108.74	4.57	-0.51	-319.35	-1.89	3.20
113	11	287.75	-107.20	4.57	-0.51	-319.35	-1.70	-1.82
113	11	306.00	-68.64	6.91	1.70	-282.13	9.09	6.03
113	12	269.50	-109.36	1.94	-0.26	-270.08	-5.03	3.45
113	12	287.75	-107.99	1.94	-0.26	-270.08	-4.78	-4.52
113	12	306.00	-68.22	4.81	1.88	-273.46	11.00	5.13
113	13	269.50	-96.34	5.44	-0.52	-281.36	-1.84	3.38
113	13	287.75	-94.86	5.44	-0.52	-281.36	-1.65	-1.48
113	13	306.00	-56.30	7.74	1.68	-227.89	8.76	5.94
113	14	269.50	-96.96	2.81	-0.27	-232.09	-4.98	3.64
113	14	287.75	-95.65	2.81	-0.27	-232.09	-4.73	-4.18
113	14	306.00	-55.89	5.64	1.87	-219.22	10.66	5.04
113	15	269.50	-108.76	4.57	-0.51	-319.25	-1.79	3.22
113	15	287.75	-107.22	4.57	-0.51	-319.25	-1.60	-1.75
113	15	306.00	-68.65	6.91	1.68	-282.09	8.99	6.06
113	16	269.50	-109.39	1.94	-0.27	-269.98	-4.93	3.48
113	16	287.75	-108.02	1.94	-0.27	-269.98	-4.68	-4.45
113	16	306.00	-68.23	4.81	1.87	-273.42	10.90	5.17
...								
113	203	306.00	-42.39	4.88	1.39	-167.63	7.78	4.07
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-109.40	-16.15	-12.90	-324.39	-140.73	-134.10
			-19.14	22.18	13.40	-39.22	146.68	132.11

Macro	Tipo	Angolo 1-Z (gradi)
114	**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
114	1	269.50	-63.23	4.81	0.82	-183.98	4.60	-7.19
114	1	287.75	-61.90	4.81	0.82	-183.98	4.52	-2.13
114	1	306.00	-24.27	7.00	-2.30	-89.79	-7.58	-2.78
114	2	269.50	-62.55	1.74	1.13	-130.45	3.29	-11.27

114	2	287.75	-61.46	1.74	1.13	-130.45	3.17	-7.54
114	2	306.00	-22.79	4.26	-1.86	-76.29	-0.26	-0.84
114	3	269.50	-76.04	3.52	0.86	-223.57	3.90	-6.82
114	3	287.75	-74.66	3.52	0.86	-223.57	3.84	-2.29
114	3	306.00	-37.03	5.78	-2.36	-146.29	-8.31	-3.71
114	4	269.50	-75.36	0.45	1.18	-170.04	2.58	-10.90
114	4	287.75	-74.21	0.45	1.18	-170.04	2.49	-7.70
114	4	306.00	-35.54	3.04	-1.92	-132.78	-0.99	-1.77
114	5	269.50	-63.20	4.82	0.81	-184.16	4.74	-7.16
114	5	287.75	-61.88	4.82	0.81	-184.16	4.66	-2.03
114	5	306.00	-24.27	7.01	-2.32	-89.82	-7.72	-2.75
114	6	269.50	-62.52	1.75	1.12	-130.64	3.43	-11.24
114	6	287.75	-61.43	1.75	1.12	-130.64	3.31	-7.44
114	6	306.00	-22.78	4.27	-1.88	-76.32	-0.40	-0.81
114	7	269.50	-76.01	3.53	0.85	-223.75	4.04	-6.79
114	7	287.75	-74.63	3.53	0.85	-223.75	3.99	-2.19
114	7	306.00	-37.03	5.79	-2.37	-146.32	-8.45	-3.68
114	8	269.50	-75.34	0.47	1.16	-170.23	2.73	-10.87
114	8	287.75	-74.19	0.47	1.16	-170.23	2.64	-7.60
114	8	306.00	-35.54	3.05	-1.94	-132.81	-1.13	-1.74
114	9	269.50	-95.26	1.60	0.92	-282.95	2.84	-6.27
114	9	287.75	-93.79	1.60	0.92	-282.95	2.83	-2.54
114	9	306.00	-56.17	3.96	-2.44	-231.03	-9.40	-5.10
114	10	269.50	-94.58	-1.47	1.24	-229.43	1.53	-10.35
114	10	287.75	-93.35	-1.47	1.24	-229.43	1.48	-7.95
114	10	306.00	-54.68	1.22	-2.01	-217.53	-2.08	-3.16
114	11	269.50	-108.07	0.31	0.96	-322.54	2.14	-5.90
114	11	287.75	-106.55	0.31	0.96	-322.54	2.15	-2.70
114	11	306.00	-68.93	2.75	-2.50	-287.53	-10.13	-6.03
114	12	269.50	-107.39	-2.75	1.28	-269.02	0.83	-9.98
114	12	287.75	-106.10	-2.75	1.28	-269.02	0.80	-8.11
114	12	306.00	-67.44	8.00e-03	-2.06	-274.03	-2.80	-4.09
114	13	269.50	-95.23	1.61	0.91	-283.14	2.99	-6.24
114	13	287.75	-93.77	1.61	0.91	-283.14	2.97	-2.44
114	13	306.00	-56.17	3.97	-2.46	-231.07	-9.54	-5.07
114	14	269.50	-94.55	-1.46	1.23	-229.62	1.67	-10.32
114	14	287.75	-93.32	-1.46	1.23	-229.62	1.62	-7.85
114	14	306.00	-54.68	1.23	-2.02	-217.56	-2.22	-3.13
114	15	269.50	-108.04	0.32	0.95	-322.73	2.28	-5.87
114	15	287.75	-106.53	0.32	0.95	-322.73	2.29	-2.61
114	15	306.00	-68.93	2.76	-2.52	-287.56	-10.27	-5.99
114	16	269.50	-107.37	-2.74	1.27	-269.21	0.97	-9.95
114	16	287.75	-106.08	-2.74	1.27	-269.21	0.94	-8.01
114	16	306.00	-67.44	0.02	-2.08	-274.06	-2.95	-4.05
...								
114	203	306.00	-41.69	1.66	-1.65	-167.34	-3.34	-2.82
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-108.08	-18.13	-13.34	-322.79	-143.11	-142.49
			-17.18	22.19	13.03	-55.55	135.82	129.20

Macro	Tipo	Angolo 1-Z (gradi)
115	**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
115	1	269.50	-26.06	2.27	1.54e-03	43.70	-6.12	-15.20
115	1	287.75	-27.13	2.27	1.54e-03	43.70	-5.84	-4.21
115	1	306.00	-15.31	11.04	2.20	-44.48	17.69	-0.30
115	2	269.50	-26.15	1.69	2.59	104.97	-42.18	0.57
115	2	287.75	-27.78	1.69	2.59	104.97	-41.55	-10.39
115	2	306.00	-15.75	12.10	3.73	-40.45	23.97	-8.90
115	3	269.50	-31.46	1.42	0.57	41.79	-7.04	-19.06
115	3	287.75	-32.66	1.42	0.57	41.79	-6.91	-7.50
115	3	306.00	-21.05	10.86	2.77	-64.95	28.25	6.48
115	4	269.50	-31.55	0.83	3.16	103.05	-43.10	-3.29
115	4	287.75	-33.31	0.83	3.16	103.05	-42.62	-13.68
115	4	306.00	-21.50	11.92	4.31	-60.92	34.54	-2.12
115	5	269.50	-25.99	2.29	-9.18e-03	43.16	-6.02	-15.13
115	5	287.75	-27.06	2.29	-9.18e-03	43.16	-5.74	-4.12
115	5	306.00	-15.28	11.06	2.19	-44.61	17.60	-0.26
115	6	269.50	-26.09	1.71	2.58	104.42	-42.08	0.63
115	6	287.75	-27.71	1.71	2.58	104.42	-41.45	-10.31
115	6	306.00	-15.73	12.13	3.72	-40.59	23.88	-8.86
115	7	269.50	-31.39	1.43	0.56	41.24	-6.94	-19.00
115	7	287.75	-32.59	1.43	0.56	41.24	-6.81	-7.42
115	7	306.00	-21.02	10.88	2.77	-65.08	28.16	6.51
115	8	269.50	-31.49	0.85	3.15	102.51	-43.00	-3.23
115	8	287.75	-33.24	0.85	3.15	102.51	-42.52	-13.60
115	8	306.00	-21.47	11.95	4.30	-61.06	34.45	-2.08
115	9	269.50	-39.56	0.13	1.41	38.92	-8.42	-24.86
115	9	287.75	-40.95	0.13	1.41	38.92	-8.52	-12.44
115	9	306.00	-29.66	10.60	3.63	-95.65	44.10	16.64
115	10	269.50	-39.65	-0.45	4.00	100.18	-44.47	-9.09
115	10	287.75	-41.60	-0.45	4.00	100.18	-44.23	-18.62
115	10	306.00	-30.11	11.66	5.17	-91.62	50.38	8.05
115	11	269.50	-44.96	-0.73	1.98	37.00	-9.34	-28.72
115	11	287.75	-46.48	-0.73	1.98	37.00	-9.59	-15.73
115	11	306.00	-35.40	10.42	4.21	-116.12	54.66	23.42
115	12	269.50	-45.05	-1.31	4.57	98.27	-45.39	-12.95
115	12	287.75	-47.13	-1.31	4.57	98.27	-45.29	-21.91
115	12	306.00	-35.85	11.48	5.74	-112.09	60.94	14.82
115	13	269.50	-39.49	0.15	1.40	38.37	-8.32	-24.79
115	13	287.75	-40.88	0.15	1.40	38.37	-8.42	-12.35

115	13	306.00	-29.63	10.62	3.63	-95.79	44.01	16.68
115	14	269.50	-39.58	-0.43	3.99	99.63	-44.37	-9.02
115	14	287.75	-41.53	-0.43	3.99	99.63	-44.13	-18.54
115	14	306.00	-30.08	11.68	5.16	-91.76	50.29	8.08
115	15	269.50	-44.89	-0.71	1.97	36.46	-9.24	-28.65
115	15	287.75	-46.41	-0.71	1.97	36.46	-9.48	-15.65
115	15	306.00	-35.37	10.44	4.20	-116.26	54.57	23.45
115	16	269.50	-44.98	-1.29	4.56	97.72	-45.29	-12.89
115	16	287.75	-47.06	-1.29	4.56	97.72	-45.19	-21.83
115	16	306.00	-35.82	11.51	5.73	-112.23	60.85	14.86
...								
115	203	306.00	-22.72	8.74	3.58	-70.33	36.64	7.85
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-63.53	-6.05	-4.66	-208.64	-111.04	-145.44
			-3.32	16.81	12.60	357.38	129.36	114.60

Macro	Tipo	Angolo 1-Z (gradi)
116	**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
116	1	269.50	-96.30	-5.83	11.18	491.62	-115.64	15.90
116	1	287.75	-102.27	-5.83	11.18	340.05	-114.93	17.22
116	1	306.00	-77.14	-5.78	3.97	-166.65	22.97	16.67
116	2	269.50	-91.91	-5.83	8.46	491.62	-92.98	15.90
116	2	287.75	-103.07	-5.83	8.46	340.05	-92.14	17.22
116	2	306.00	-81.30	-5.78	3.68	-166.65	18.46	16.67
116	3	269.50	-122.64	-5.83	10.46	491.62	-120.20	15.90
116	3	287.75	-129.21	-5.83	10.46	340.05	-119.45	17.22
116	3	306.00	-104.64	-5.78	3.51	-166.65	7.61	16.67
116	4	269.50	-118.26	-5.83	7.73	491.62	-97.54	15.90
116	4	287.75	-130.01	-5.83	7.73	340.05	-96.66	17.22
116	4	306.00	-108.80	-5.78	3.23	-166.65	3.10	16.67
116	5	269.50	-96.41	-5.83	11.18	491.62	-115.63	15.90
116	5	287.75	-102.25	-5.83	11.18	340.05	-114.93	17.22
116	5	306.00	-77.08	-5.78	3.96	-166.65	22.96	16.67
116	6	269.50	-92.02	-5.83	8.46	491.62	-92.98	15.90
116	6	287.75	-103.06	-5.83	8.46	340.05	-92.14	17.22
116	6	306.00	-81.24	-5.78	3.68	-166.65	18.44	16.67
116	7	269.50	-122.75	-5.83	10.45	491.62	-120.19	15.90
116	7	287.75	-129.19	-5.83	10.45	340.05	-119.45	17.22
116	7	306.00	-104.58	-5.78	3.51	-166.65	7.60	16.67
116	8	269.50	-118.37	-5.83	7.73	491.62	-97.54	15.90
116	8	287.75	-130.00	-5.83	7.73	340.05	-96.66	17.22
116	8	306.00	-108.74	-5.78	3.23	-166.65	3.09	16.67
116	9	269.50	-162.16	-5.83	9.36	491.62	-127.04	15.90
116	9	287.75	-169.62	-5.83	9.36	340.05	-126.22	17.22
116	9	306.00	-145.89	-5.78	2.83	-166.65	-15.42	16.67
116	10	269.50	-157.78	-5.83	6.64	491.62	-104.38	15.90
116	10	287.75	-170.43	-5.83	6.64	340.05	-103.43	17.22
116	10	306.00	-150.05	-5.78	2.55	-166.65	-19.93	16.67
116	11	269.50	-188.51	-5.83	8.63	491.62	-131.59	15.90
116	11	287.75	-196.56	-5.83	8.63	340.05	-130.73	17.22
116	11	306.00	-173.39	-5.78	2.38	-166.65	-30.77	16.67
116	12	269.50	-184.12	-5.83	5.91	491.62	-108.94	15.90
116	12	287.75	-197.37	-5.83	5.91	340.05	-107.94	17.22
116	12	306.00	-177.55	-5.78	2.10	-166.65	-35.29	16.67
116	13	269.50	-162.27	-5.83	9.36	491.62	-127.03	15.90
116	13	287.75	-169.61	-5.83	9.36	340.05	-126.22	17.22
116	13	306.00	-145.83	-5.78	2.83	-166.65	-15.43	16.67
116	14	269.50	-157.89	-5.83	6.64	491.62	-104.38	15.90
116	14	287.75	-170.41	-5.83	6.64	340.05	-103.43	17.22
116	14	306.00	-149.99	-5.78	2.55	-166.65	-19.94	16.67
116	15	269.50	-188.62	-5.83	8.63	491.62	-131.59	15.90
116	15	287.75	-196.55	-5.83	8.63	340.05	-130.73	17.22
116	15	306.00	-173.33	-5.78	2.38	-166.65	-30.79	16.67
116	16	269.50	-184.23	-5.83	5.91	491.62	-108.94	15.90
116	16	287.75	-197.35	-5.83	5.91	340.05	-107.94	17.22
116	16	306.00	-177.49	-5.78	2.10	-166.65	-35.30	16.67
...								
116	203	306.00	-112.87	-4.44	2.05	-128.19	-13.41	12.82
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-197.37	-115.62	1.18	-2569.15	-131.60	-553.68
			-59.26	100.35	11.18	2363.68	22.97	582.41

Macro	Tipo	Angolo 1-Z (gradi)
119	**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
119	1	269.50	-39.83	11.64	-10.21	-164.40	141.76	-107.66
119	1	287.75	-40.29	11.64	-10.21	-164.40	139.21	15.42
119	1	306.00	-23.74	10.72	-9.32	-48.16	-32.91	37.40
119	2	269.50	-45.22	16.70	-13.15	-246.94	182.43	-114.30
119	2	287.75	-46.01	16.70	-13.15	-246.94	180.05	18.78
119	2	306.00	-26.38	14.53	-12.23	-66.07	-40.93	41.52

119	3	269.50	-48.16	13.26	-10.94	-190.35	142.58	-106.62
119	3	287.75	-48.70	13.26	-10.94	-190.35	139.96	17.03
119	3	306.00	-31.82	12.14	-10.13	-56.21	-45.06	35.36
119	4	269.50	-53.54	18.31	-13.88	-272.90	183.25	-113.27
119	4	287.75	-54.43	18.31	-13.88	-272.90	180.80	20.39
119	4	306.00	-34.46	15.95	-13.04	-74.12	-53.07	39.48
119	5	269.50	-39.85	11.66	-10.20	-164.42	141.68	-107.66
119	5	287.75	-40.30	11.66	-10.20	-164.42	139.12	15.39
119	5	306.00	-23.74	10.75	-9.30	-48.19	-32.82	37.39
119	6	269.50	-45.24	16.71	-13.14	-246.97	182.35	-114.31
119	6	287.75	-46.03	16.71	-13.14	-246.97	179.97	18.75
119	6	306.00	-26.38	14.55	-12.22	-66.09	-40.84	41.51
119	7	269.50	-48.17	13.27	-10.93	-190.38	142.49	-106.63
119	7	287.75	-48.72	13.27	-10.93	-190.38	139.87	16.99
119	7	306.00	-31.82	12.16	-10.11	-56.24	-44.97	35.35
119	8	269.50	-53.56	18.32	-13.87	-272.93	183.17	-113.27
119	8	287.75	-54.44	18.32	-13.87	-272.93	180.71	20.35
119	8	306.00	-34.46	15.97	-13.03	-74.14	-52.98	39.47
119	9	269.50	-60.64	15.68	-12.04	-229.29	143.81	-105.07
119	9	287.75	-61.32	15.68	-12.04	-229.29	141.07	19.43
119	9	306.00	-43.93	14.26	-11.34	-68.29	-63.28	32.30
119	10	269.50	-66.03	20.73	-14.98	-311.83	184.48	-111.72
119	10	287.75	-67.05	20.73	-14.98	-311.83	181.92	22.79
119	10	306.00	-46.57	18.07	-14.26	-86.19	-71.29	36.42
119	11	269.50	-68.96	17.29	-12.77	-255.25	144.63	-104.04
119	11	287.75	-69.74	17.29	-12.77	-255.25	141.82	21.04
119	11	306.00	-52.01	15.68	-12.15	-76.34	-75.43	30.26
119	12	269.50	-74.35	22.35	-15.71	-337.79	185.30	-110.68
119	12	287.75	-75.46	22.35	-15.71	-337.79	182.66	24.40
119	12	306.00	-54.65	19.48	-15.07	-94.24	-83.44	34.38
119	13	269.50	-60.66	15.69	-12.03	-229.32	143.72	-105.08
119	13	287.75	-61.34	15.69	-12.03	-229.32	140.99	19.40
119	13	306.00	-43.93	14.29	-11.33	-68.31	-63.19	32.29
119	14	269.50	-66.04	20.75	-14.97	-311.86	184.39	-111.72
119	14	287.75	-67.06	20.75	-14.97	-311.86	181.83	22.76
119	14	306.00	-46.57	18.09	-14.25	-86.22	-71.20	36.41
119	15	269.50	-68.98	17.31	-12.76	-255.28	144.54	-104.04
119	15	287.75	-69.75	17.31	-12.76	-255.28	141.73	21.01
119	15	306.00	-52.01	15.70	-12.14	-76.36	-75.34	30.25
119	16	269.50	-74.37	22.36	-15.70	-337.82	185.21	-110.69
119	16	287.75	-75.48	22.36	-15.70	-337.82	182.58	24.37
119	16	306.00	-54.65	19.51	-15.06	-94.27	-83.35	34.37
...								
119	203	306.00	-34.75	12.93	-10.23	-61.63	-52.23	27.15
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-84.95	-1.88	-29.72	-337.83	-200.22	-114.31
			-11.71	31.85	7.17	-13.88	278.12	83.07

Macro	Tipo	Angolo 1-Z (gradi)
120	**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
120	1	269.50	-30.85	-14.62	-0.62	222.24	-6.60	14.65
120	1	287.75	-29.54	-14.62	-0.62	222.24	-6.16	6.78
120	1	306.00	-24.24	-11.69	-0.93	101.20	-17.92	-7.71
120	2	269.50	-28.31	-13.72	-1.47	193.78	-3.37	16.29
120	2	287.75	-27.25	-13.72	-1.47	193.78	-2.92	10.06
120	2	306.00	-22.50	-11.37	-1.80	95.00	-28.61	-8.65
120	3	269.50	-47.84	-14.03	-0.67	205.98	-5.22	14.25
120	3	287.75	-46.43	-14.03	-0.67	205.98	-4.77	7.02
120	3	306.00	-41.45	-11.24	-0.97	96.51	-17.29	-7.14
120	4	269.50	-45.31	-13.12	-1.51	177.51	-1.99	15.89
120	4	287.75	-44.14	-13.12	-1.51	177.51	-1.53	10.30
120	4	306.00	-39.71	-10.92	-1.85	90.31	-27.99	-8.09
120	5	269.50	-30.87	-14.61	-0.61	222.11	-6.73	14.65
120	5	287.75	-29.56	-14.61	-0.61	222.11	-6.28	6.76
120	5	306.00	-24.25	-11.67	-0.91	101.14	-17.79	-7.71
120	6	269.50	-28.33	-13.70	-1.45	193.65	-3.50	16.28
120	6	287.75	-27.27	-13.70	-1.45	193.65	-3.05	10.03
120	6	306.00	-22.51	-11.35	-1.79	94.94	-28.48	-8.66
120	7	269.50	-47.86	-14.01	-0.65	205.85	-5.35	14.24
120	7	287.75	-46.45	-14.01	-0.65	205.85	-4.89	6.99
120	7	306.00	-41.46	-11.22	-0.96	96.45	-17.16	-7.15
120	8	269.50	-45.33	-13.11	-1.50	177.39	-2.12	15.88
120	8	287.75	-44.16	-13.11	-1.50	177.39	-1.66	10.27
120	8	306.00	-39.72	-10.90	-1.84	90.25	-27.86	-8.10
120	9	269.50	-73.33	-13.14	-0.74	181.58	-3.15	13.65
120	9	287.75	-71.77	-13.14	-0.74	181.58	-2.68	7.37
120	9	306.00	-67.26	-10.56	-1.05	89.46	-16.35	-6.30
120	10	269.50	-70.80	-12.23	-1.58	153.12	0.08	15.29
120	10	287.75	-69.48	-12.23	-1.58	153.12	0.56	10.65
120	10	306.00	-65.52	-10.24	-1.93	83.27	-27.04	-7.25
120	11	269.50	-90.32	-12.54	-0.79	165.32	-1.77	13.25
120	11	287.75	-88.66	-12.54	-0.79	165.32	-1.29	7.60
120	11	306.00	-84.47	-10.11	-1.10	84.77	-15.72	-5.74
120	12	269.50	-87.79	-11.64	-1.63	136.86	1.45	14.89
120	12	287.75	-86.37	-11.64	-1.63	136.86	1.95	10.88
120	12	306.00	-82.73	-9.79	-1.98	78.57	-26.42	-6.68
120	13	269.50	-73.35	-13.12	-0.72	181.46	-3.28	13.64
120	13	287.75	-71.79	-13.12	-0.72	181.46	-2.81	7.34
120	13	306.00	-67.27	-10.54	-1.03	89.41	-16.22	-6.31
120	14	269.50	-70.82	-12.21	-1.57	153.00	-0.05	15.28

120	14	287.75	-69.50	-12.21	-1.57	153.00	0.43	10.62
120	14	306.00	-65.53	-10.22	-1.91	83.21	-26.92	-7.25
120	15	269.50	-90.34	-12.52	-0.77	165.20	-1.90	13.24
120	15	287.75	-88.68	-12.52	-0.77	165.20	-1.42	7.58
120	15	306.00	-84.48	-10.09	-1.08	84.71	-15.60	-5.74
120	16	269.50	-87.81	-11.62	-1.61	136.74	1.33	14.88
120	16	287.75	-86.39	-11.62	-1.61	136.74	1.82	10.85
120	16	306.00	-82.74	-9.77	-1.96	78.51	-26.29	-6.69
...								
120	203	306.00	-49.85	-7.97	-1.27	65.75	-18.27	-5.39
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-90.35	-18.03	-28.13	52.36	-236.09	-70.79
			-16.90	2.51	25.24	222.28	220.70	85.26

Macro	Tipo	Angolo 1-Z (gradi)
121	**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
121	1	269.50	-36.35	-12.64	-1.26	197.72	13.05	-1.82
121	1	287.75	-34.93	-12.64	-1.26	197.72	13.15	4.18
121	1	306.00	-28.27	-10.20	-1.22	81.56	-7.18	2.58
121	2	269.50	-35.63	-11.50	-1.79	167.25	18.15	-1.91
121	2	287.75	-34.42	-11.50	-1.79	167.25	18.28	5.80
121	2	306.00	-28.16	-9.70	-1.75	73.91	-10.64	3.18
121	3	269.50	-52.82	-11.85	-1.30	181.59	13.18	-1.67
121	3	287.75	-51.31	-11.85	-1.30	181.59	13.28	4.41
121	3	306.00	-44.80	-9.55	-1.27	77.48	-7.74	2.50
121	4	269.50	-52.10	-10.70	-1.83	151.12	18.28	-1.76
121	4	287.75	-50.79	-10.70	-1.83	151.12	18.42	6.03
121	4	306.00	-44.68	-9.05	-1.80	69.82	-11.20	3.11
121	5	269.50	-36.35	-12.65	-1.25	197.81	12.98	-1.83
121	5	287.75	-34.93	-12.65	-1.25	197.81	13.08	4.17
121	5	306.00	-28.28	-10.21	-1.21	81.59	-7.10	2.57
121	6	269.50	-35.62	-11.51	-1.78	167.34	18.08	-1.92
121	6	287.75	-34.41	-11.51	-1.78	167.34	18.21	5.79
121	6	306.00	-28.16	-9.71	-1.74	73.94	-10.56	3.17
121	7	269.50	-52.82	-11.86	-1.29	181.68	13.11	-1.68
121	7	287.75	-51.30	-11.86	-1.29	181.68	13.21	4.39
121	7	306.00	-44.80	-9.56	-1.26	77.51	-7.67	2.50
121	8	269.50	-52.10	-10.71	-1.82	151.21	18.21	-1.77
121	8	287.75	-50.79	-10.71	-1.82	151.21	18.35	6.02
121	8	306.00	-44.69	-9.06	-1.79	69.85	-11.13	3.10
121	9	269.50	-77.54	-10.66	-1.36	157.40	13.37	-1.44
121	9	287.75	-75.87	-10.66	-1.36	157.40	13.49	4.75
121	9	306.00	-69.58	-8.57	-1.33	71.35	-8.59	2.40
121	10	269.50	-76.81	-9.51	-1.89	126.93	18.47	-1.54
121	10	287.75	-75.35	-9.51	-1.89	126.93	18.62	6.37
121	10	306.00	-69.47	-8.07	-1.86	63.70	-12.05	3.00
121	11	269.50	-94.01	-9.86	-1.41	141.27	13.50	-1.30
121	11	287.75	-92.24	-9.86	-1.41	141.27	13.62	4.98
121	11	306.00	-86.11	-7.92	-1.38	67.27	-9.15	2.33
121	12	269.50	-93.29	-8.71	-1.94	110.80	18.60	-1.39
121	12	287.75	-91.72	-8.71	-1.94	110.80	18.76	6.60
121	12	306.00	-85.99	-7.42	-1.91	59.61	-12.61	2.93
121	13	269.50	-77.53	-10.67	-1.35	157.49	13.30	-1.46
121	13	287.75	-75.86	-10.67	-1.35	157.49	13.42	4.74
121	13	306.00	-69.59	-8.58	-1.33	71.38	-8.51	2.39
121	14	269.50	-76.81	-9.52	-1.88	127.01	18.40	-1.55
121	14	287.75	-75.35	-9.52	-1.88	127.01	18.55	6.36
121	14	306.00	-69.47	-8.08	-1.85	63.73	-11.97	3.00
121	15	269.50	-94.01	-9.87	-1.40	141.36	13.43	-1.31
121	15	287.75	-92.24	-9.87	-1.40	141.36	13.55	4.96
121	15	306.00	-86.11	-7.93	-1.37	67.30	-9.08	2.32
121	16	269.50	-93.28	-8.72	-1.93	110.88	18.53	-1.40
121	16	287.75	-91.72	-8.72	-1.93	110.88	18.69	6.59
121	16	306.00	-86.00	-7.43	-1.90	59.64	-12.54	2.93
...								
121	203	306.00	-52.53	-6.37	-1.30	51.05	-8.39	2.17
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-94.01	-24.37	-26.04	19.99	-203.74	-66.68
			-21.63	7.59	24.15	199.90	207.07	71.78

Macro	Tipo	Angolo 1-Z (gradi)
122	**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
122	1	269.50	-37.52	-11.85	-0.98	195.19	5.70	2.23
122	1	287.75	-36.07	-11.85	-0.98	195.19	5.82	4.16
122	1	306.00	-28.73	-9.44	-1.01	79.71	-10.42	-1.22
122	2	269.50	-36.89	-10.45	-1.11	164.87	6.51	2.45
122	2	287.75	-35.64	-10.45	-1.11	164.87	6.64	4.72
122	2	306.00	-28.48	-8.69	-1.14	72.60	-11.70	-1.21
122	3	269.50	-54.17	-11.02	-0.99	178.78	5.84	2.22
122	3	287.75	-52.62	-11.02	-0.99	178.78	5.96	4.21

122	3	306.00	-45.40	-8.76	-1.02	75.39	-10.45	-1.18
122	4	269.50	-53.54	-9.62	-1.12	148.46	6.65	2.43
122	4	287.75	-52.19	-9.62	-1.12	148.46	6.78	4.77
122	4	306.00	-45.16	-8.01	-1.15	68.28	-11.73	-1.17
122	5	269.50	-37.48	-11.89	-0.98	195.42	5.68	2.23
122	5	287.75	-36.04	-11.89	-0.98	195.42	5.80	4.16
122	5	306.00	-28.72	-9.47	-1.01	79.79	-10.40	-1.22
122	6	269.50	-36.85	-10.49	-1.11	165.10	6.49	2.44
122	6	287.75	-35.60	-10.49	-1.11	165.10	6.62	4.72
122	6	306.00	-28.47	-8.73	-1.14	72.68	-11.68	-1.21
122	7	269.50	-54.14	-11.05	-0.99	179.02	5.82	2.21
122	7	287.75	-52.59	-11.05	-0.99	179.02	5.94	4.20
122	7	306.00	-45.39	-8.79	-1.02	75.47	-10.43	-1.18
122	8	269.50	-53.51	-9.66	-1.12	148.69	6.63	2.43
122	8	287.75	-52.15	-9.66	-1.12	148.69	6.76	4.77
122	8	306.00	-45.15	-8.04	-1.15	68.36	-11.71	-1.17
122	9	269.50	-79.15	-9.77	-1.01	154.17	6.05	2.20
122	9	287.75	-77.45	-9.77	-1.01	154.17	6.17	4.28
122	9	306.00	-70.41	-7.73	-1.04	68.90	-10.50	-1.12
122	10	269.50	-78.52	-8.38	-1.14	123.85	6.86	2.41
122	10	287.75	-77.01	-8.38	-1.14	123.85	6.99	4.84
122	10	306.00	-70.17	-6.98	-1.17	61.79	-11.78	-1.11
122	11	269.50	-95.81	-8.94	-1.02	137.76	6.19	2.18
122	11	287.75	-94.00	-8.94	-1.02	137.76	6.31	4.33
122	11	306.00	-87.09	-7.05	-1.05	64.57	-10.53	-1.08
122	12	269.50	-95.18	-7.54	-1.15	107.44	7.00	2.39
122	12	287.75	-93.56	-7.54	-1.15	107.44	7.13	4.89
122	12	306.00	-86.84	-6.30	-1.18	57.46	-11.81	-1.07
122	13	269.50	-79.12	-9.81	-1.01	154.41	6.03	2.19
122	13	287.75	-77.42	-9.81	-1.01	154.41	6.15	4.28
122	13	306.00	-70.40	-7.76	-1.04	68.98	-10.48	-1.12
122	14	269.50	-78.49	-8.41	-1.13	124.08	6.84	2.40
122	14	287.75	-76.98	-8.41	-1.13	124.08	6.97	4.84
122	14	306.00	-70.16	-7.02	-1.17	61.87	-11.76	-1.11
122	15	269.50	-95.77	-8.98	-1.02	138.00	6.17	2.18
122	15	287.75	-93.97	-8.98	-1.02	138.00	6.29	4.32
122	15	306.00	-87.08	-7.08	-1.05	64.65	-10.51	-1.08
122	16	269.50	-95.15	-7.58	-1.15	107.68	6.98	2.39
122	16	287.75	-93.53	-7.58	-1.15	107.68	7.11	4.89
122	16	306.00	-86.83	-6.33	-1.18	57.54	-11.79	-1.07
...								
122	203	306.00	-53.09	-5.60	-0.87	49.48	-8.75	-0.86
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-95.82	-23.99	-26.81	-2.89	-211.49	-69.01
			-21.84	9.80	26.27	208.71	207.34	71.52

Macro	Tipo	Angolo 1-Z (gradi)
123	**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
123	1	269.50	-34.70	-8.91	-0.77	208.99	13.60	-5.52
123	1	287.75	-33.23	-8.91	-0.77	208.99	13.45	-1.07
123	1	306.00	-23.96	-6.01	-0.59	111.95	3.47	10.31
123	2	269.50	-34.07	-7.51	-0.65	178.67	12.79	-5.73
123	2	287.75	-32.79	-7.51	-0.65	178.67	12.63	-1.63
123	2	306.00	-23.72	-5.26	-0.45	104.84	4.76	10.30
123	3	269.50	-51.35	-8.08	-0.76	192.59	13.46	-5.50
123	3	287.75	-49.78	-8.08	-0.76	192.59	13.31	-1.11
123	3	306.00	-40.64	-5.32	-0.58	107.62	3.50	10.27
123	4	269.50	-50.73	-6.68	-0.64	162.26	12.65	-5.72
123	4	287.75	-49.34	-6.68	-0.64	162.26	12.49	-1.68
123	4	306.00	-40.39	-4.58	-0.44	100.51	4.79	10.26
123	5	269.50	-34.67	-8.94	-0.78	209.23	13.62	-5.51
123	5	287.75	-33.20	-8.94	-0.78	209.23	13.47	-1.06
123	5	306.00	-23.95	-6.04	-0.59	112.03	3.45	10.31
123	6	269.50	-34.04	-7.55	-0.65	178.90	12.81	-5.73
123	6	287.75	-32.76	-7.55	-0.65	178.90	12.65	-1.63
123	6	306.00	-23.71	-5.30	-0.46	104.92	4.73	10.30
123	7	269.50	-51.32	-8.11	-0.77	192.82	13.48	-5.50
123	7	287.75	-49.75	-8.11	-0.77	192.82	13.33	-1.11
123	7	306.00	-40.63	-5.36	-0.58	107.70	3.48	10.27
123	8	269.50	-50.69	-6.72	-0.64	162.50	12.67	-5.71
123	8	287.75	-49.31	-6.72	-0.64	162.50	12.51	-1.67
123	8	306.00	-40.38	-4.61	-0.45	100.59	4.76	10.26
123	9	269.50	-76.34	-6.83	-0.75	167.97	13.26	-5.48
123	9	287.75	-74.61	-6.83	-0.75	167.97	13.10	-1.19
123	9	306.00	-65.65	-4.30	-0.56	101.13	3.55	10.21
123	10	269.50	-75.71	-5.43	-0.62	137.65	12.44	-5.69
123	10	287.75	-74.17	-5.43	-0.62	137.65	12.28	-1.75
123	10	306.00	-65.40	-3.55	-0.43	94.02	4.83	10.20
123	11	269.50	-92.99	-6.00	-0.74	151.57	13.12	-5.46
123	11	287.75	-91.16	-6.00	-0.74	151.57	12.96	-1.23
123	11	306.00	-82.32	-3.61	-0.55	96.81	3.58	10.17
123	12	269.50	-92.36	-4.60	-0.61	121.24	12.31	-5.68
123	12	287.75	-90.72	-4.60	-0.61	121.24	12.14	-1.80
123	12	306.00	-82.08	-2.87	-0.42	89.70	4.86	10.16
123	13	269.50	-76.30	-6.87	-0.75	168.21	13.27	-5.48
123	13	287.75	-74.57	-6.87	-0.75	168.21	13.12	-1.18
123	13	306.00	-65.64	-4.33	-0.56	101.21	3.53	10.21
123	14	269.50	-75.67	-5.47	-0.62	137.89	12.46	-5.69
123	14	287.75	-74.14	-5.47	-0.62	137.89	12.30	-1.75
123	14	306.00	-65.39	-3.58	-0.43	94.10	4.81	10.20

123	15	269.50	-92.96	-6.03	-0.74	151.80	13.14	-5.46
123	15	287.75	-91.12	-6.03	-0.74	151.80	12.98	-1.23
123	15	306.00	-82.31	-3.65	-0.55	96.89	3.56	10.17
123	16	269.50	-92.33	-4.64	-0.61	121.48	12.33	-5.67
123	16	287.75	-90.69	-4.64	-0.61	121.48	12.16	-1.79
123	16	306.00	-82.07	-2.90	-0.42	89.78	4.84	10.16
...								
123	203	306.00	-49.42	-2.96	-0.36	74.28	3.40	7.85
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-93.00	-21.74	-27.86	7.57	-212.33	-67.17
			-18.18	12.22	25.51	219.40	224.93	72.19

Macro	Tipo	Angolo 1-Z (gradi)
124	**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
124	1	269.50	-72.50	-25.24	-5.53	-0.94	10.33	27.00
124	1	287.75	-70.91	-25.24	-5.53	-0.94	12.09	38.07
124	1	306.00	-70.00	-27.86	-6.45	-259.43	-98.86	-81.42
124	2	269.50	-71.77	-24.09	-5.00	-31.41	5.23	27.10
124	2	287.75	-70.40	-24.09	-5.00	-31.41	6.95	36.45
124	2	306.00	-69.89	-27.36	-5.92	-267.09	-95.40	-82.03
124	3	269.50	-88.97	-24.44	-5.49	-17.07	10.20	26.86
124	3	287.75	-87.29	-24.44	-5.49	-17.07	11.95	37.84
124	3	306.00	-86.52	-27.20	-6.40	-263.52	-98.30	-81.35
124	4	269.50	-88.25	-23.30	-4.96	-47.54	5.10	26.95
124	4	287.75	-86.77	-23.30	-4.96	-47.54	6.82	36.22
124	4	306.00	-86.41	-26.70	-5.88	-271.17	-94.84	-81.95
124	5	269.50	-72.49	-25.25	-5.54	-0.85	10.40	27.02
124	5	287.75	-70.91	-25.25	-5.54	-0.85	12.16	38.08
124	5	306.00	-70.00	-27.87	-6.46	-259.40	-98.93	-81.41
124	6	269.50	-71.77	-24.10	-5.01	-31.32	5.30	27.11
124	6	287.75	-70.39	-24.10	-5.01	-31.32	7.03	36.46
124	6	306.00	-69.89	-27.37	-5.93	-267.06	-95.47	-82.02
124	7	269.50	-88.97	-24.45	-5.50	-16.98	10.27	26.87
124	7	287.75	-87.28	-24.45	-5.50	-16.98	12.03	37.86
124	7	306.00	-86.53	-27.21	-6.41	-263.49	-98.37	-81.34
124	8	269.50	-88.24	-23.31	-4.97	-47.45	5.17	26.96
124	8	287.75	-86.77	-23.31	-4.97	-47.45	6.89	36.23
124	8	306.00	-86.41	-26.71	-5.89	-271.14	-94.91	-81.95
124	9	269.50	-113.68	-23.25	-5.42	-41.26	10.00	26.63
124	9	287.75	-111.85	-23.25	-5.42	-41.26	11.75	37.50
124	9	306.00	-111.31	-26.23	-6.34	-269.64	-97.45	-81.24
124	10	269.50	-112.96	-22.10	-4.90	-71.74	4.91	26.73
124	10	287.75	-111.33	-22.10	-4.90	-71.74	6.62	35.88
124	10	306.00	-111.20	-25.73	-5.81	-277.30	-93.99	-81.85
124	11	269.50	-130.16	-22.46	-5.38	-57.39	9.87	26.48
124	11	287.75	-128.22	-22.46	-5.38	-57.39	11.62	37.27
124	11	306.00	-127.83	-25.57	-6.29	-273.72	-96.88	-81.17
124	12	269.50	-129.43	-21.31	-4.85	-87.87	4.78	26.58
124	12	287.75	-127.70	-21.31	-4.85	-87.87	6.48	35.65
124	12	306.00	-127.72	-25.07	-5.77	-281.38	-93.42	-81.78
124	13	269.50	-113.68	-23.26	-5.43	-41.18	10.08	26.64
124	13	287.75	-111.84	-23.26	-5.43	-41.18	11.82	37.51
124	13	306.00	-111.31	-26.24	-6.35	-269.61	-97.52	-81.23
124	14	269.50	-112.95	-22.11	-4.90	-71.65	4.98	26.74
124	14	287.75	-111.33	-22.11	-4.90	-71.65	6.69	35.89
124	14	306.00	-111.20	-25.74	-5.82	-277.27	-94.06	-81.84
124	15	269.50	-130.15	-22.47	-5.39	-57.30	9.95	26.50
124	15	287.75	-128.22	-22.47	-5.39	-57.30	11.69	37.29
124	15	306.00	-127.84	-25.58	-6.30	-273.70	-96.96	-81.16
124	16	269.50	-129.43	-21.32	-4.86	-87.78	4.85	26.59
124	16	287.75	-127.70	-21.32	-4.86	-87.78	6.55	35.66
124	16	306.00	-127.72	-25.08	-5.77	-281.35	-93.50	-81.77
...								
124	203	306.00	-84.63	-19.95	-4.60	-211.26	-73.18	-62.82
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-130.16	-35.47	-29.70	-281.39	-277.57	-82.03
			-53.73	-1.67	21.15	52.45	209.55	100.74

Macro	Tipo	Angolo 1-Z (gradi)
125	**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
125	1	269.50	-66.90	-26.66	5.45	23.17	1.23e-03	-39.51
125	1	287.75	-65.43	-26.66	5.45	23.17	-2.24	-43.42
125	1	306.00	-65.47	-28.72	6.67	-237.50	109.37	88.60
125	2	269.50	-64.37	-25.75	6.29	-5.29	-3.23	-41.14
125	2	287.75	-63.14	-25.75	6.29	-5.29	-5.47	-46.69
125	2	306.00	-63.73	-28.40	7.55	-243.70	120.07	89.55
125	3	269.50	-83.90	-26.06	5.50	6.91	-1.38	-39.11
125	3	287.75	-82.32	-26.06	5.50	6.91	-3.63	-43.65
125	3	306.00	-82.68	-28.26	6.72	-242.20	108.75	88.04
125	4	269.50	-81.36	-25.16	6.34	-21.55	-4.61	-40.74

125	4	287.75	-80.03	-25.16	6.34	-21.55	-6.86	-46.93
125	4	306.00	-80.94	-27.94	7.60	-248.39	119.44	88.98
125	5	269.50	-66.92	-26.64	5.43	23.05	0.13	-39.50
125	5	287.75	-65.45	-26.64	5.43	23.05	-2.11	-43.39
125	5	306.00	-65.48	-28.70	6.65	-237.56	109.25	88.61
125	6	269.50	-64.39	-25.73	6.28	-5.41	-3.10	-41.13
125	6	287.75	-63.16	-25.73	6.28	-5.41	-5.35	-46.66
125	6	306.00	-63.74	-28.38	7.53	-243.76	119.94	89.55
125	7	269.50	-83.92	-26.05	5.48	6.79	-1.25	-39.10
125	7	287.75	-82.34	-26.05	5.48	6.79	-3.50	-43.62
125	7	306.00	-82.69	-28.25	6.70	-242.25	108.62	88.04
125	8	269.50	-81.38	-25.14	6.32	-21.68	-4.48	-40.73
125	8	287.75	-80.05	-25.14	6.32	-21.68	-6.74	-46.90
125	8	306.00	-80.95	-27.93	7.58	-248.45	119.31	88.99
125	9	269.50	-109.38	-25.17	5.57	-17.48	-3.45	-38.51
125	9	287.75	-107.66	-25.17	5.57	-17.48	-5.71	-44.00
125	9	306.00	-108.50	-27.58	6.79	-249.24	107.81	87.19
125	10	269.50	-106.85	-24.27	6.41	-45.95	-6.68	-40.14
125	10	287.75	-105.37	-24.27	6.41	-45.95	-8.95	-47.28
125	10	306.00	-106.76	-27.27	7.67	-255.44	118.50	88.14
125	11	269.50	-126.38	-24.58	5.61	-33.75	-4.83	-38.11
125	11	287.75	-124.55	-24.58	5.61	-33.75	-7.10	-44.24
125	11	306.00	-125.71	-27.13	6.84	-253.93	107.18	86.63
125	12	269.50	-123.84	-23.67	6.45	-62.21	-8.05	-39.74
125	12	287.75	-122.26	-23.67	6.45	-62.21	-10.34	-47.51
125	12	306.00	-123.97	-26.81	7.72	-260.13	117.87	87.58
125	13	269.50	-109.40	-25.15	5.55	-17.61	-3.32	-38.50
125	13	287.75	-107.68	-25.15	5.55	-17.61	-5.58	-43.97
125	13	306.00	-108.51	-27.57	6.78	-249.30	107.68	87.20
125	14	269.50	-106.87	-24.25	6.39	-46.07	-6.55	-40.13
125	14	287.75	-105.39	-24.25	6.39	-46.07	-8.82	-47.25
125	14	306.00	-106.77	-27.25	7.65	-255.49	118.37	88.15
125	15	269.50	-126.40	-24.56	5.60	-33.87	-4.70	-38.10
125	15	287.75	-124.57	-24.56	5.60	-33.87	-6.97	-44.21
125	15	306.00	-125.72	-27.12	6.83	-253.99	107.05	86.64
125	16	269.50	-123.86	-23.65	6.44	-62.33	-7.93	-39.73
125	16	287.75	-122.28	-23.65	6.44	-62.33	-10.21	-47.48
125	16	306.00	-123.98	-26.80	7.70	-260.19	117.75	87.59
...								
125	203	306.00	-81.56	-21.07	5.68	-194.78	88.62	67.61
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-126.40	-29.04	-22.18	-260.21	-232.10	-115.07
			-48.03	-7.32	32.84	23.21	311.04	89.56

Macro	Tipo	Angolo 1-Z (gradi)
126	**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
126	1	269.50	-40.89	15.27	9.90	-170.88	-150.34	117.00
126	1	287.75	-41.13	15.27	9.90	-170.88	-147.46	-9.73
126	1	306.00	-21.76	16.02	8.71	-30.72	15.67	-52.36
126	2	269.50	-46.27	20.32	12.84	-253.43	-191.01	123.65
126	2	287.75	-46.85	20.32	12.84	-253.43	-188.31	-13.09
126	2	306.00	-24.40	19.83	11.62	-48.63	23.69	-56.48
126	3	269.50	-49.21	16.88	10.63	-196.84	-151.16	115.97
126	3	287.75	-49.54	16.88	10.63	-196.84	-148.21	-11.34
126	3	306.00	-29.83	17.43	9.52	-38.77	27.82	-50.32
126	4	269.50	-54.60	21.94	13.57	-279.38	-191.83	122.61
126	4	287.75	-55.27	21.94	13.57	-279.38	-189.05	-14.70
126	4	306.00	-32.47	21.24	12.43	-56.68	35.83	-54.44
126	5	269.50	-40.90	15.28	9.89	-170.91	-150.26	117.01
126	5	287.75	-41.15	15.28	9.89	-170.91	-147.38	-9.70
126	5	306.00	-21.76	16.04	8.69	-30.75	15.58	-52.35
126	6	269.50	-46.29	20.33	12.83	-253.45	-190.93	123.65
126	6	287.75	-46.87	20.33	12.83	-253.45	-188.22	-13.06
126	6	306.00	-24.40	19.85	11.61	-48.66	23.60	-56.47
126	7	269.50	-49.22	16.90	10.62	-196.87	-151.07	115.97
126	7	287.75	-49.56	16.90	10.62	-196.87	-148.12	-11.31
126	7	306.00	-29.84	17.46	9.50	-38.80	27.73	-50.31
126	8	269.50	-54.61	21.95	13.56	-279.41	-191.75	122.62
126	8	287.75	-55.29	21.95	13.56	-279.41	-188.97	-14.67
126	8	306.00	-32.47	21.26	12.42	-56.71	35.74	-54.43
126	9	269.50	-61.69	19.30	11.73	-235.78	-152.39	114.42
126	9	287.75	-62.16	19.30	11.73	-235.78	-149.33	-13.75
126	9	306.00	-41.95	19.56	10.73	-50.85	46.04	-47.26
126	10	269.50	-67.08	24.36	14.67	-318.32	-193.06	121.06
126	10	287.75	-67.89	24.36	14.67	-318.32	-190.17	-17.11
126	10	306.00	-44.59	23.36	13.65	-68.75	54.05	-51.38
126	11	269.50	-70.01	20.92	12.46	-261.74	-153.21	113.38
126	11	287.75	-70.58	20.92	12.46	-261.74	-150.07	-15.35
126	11	306.00	-50.02	20.97	11.54	-58.90	58.19	-45.22
126	12	269.50	-75.40	25.97	15.40	-344.28	-193.88	120.03
126	12	287.75	-76.30	25.97	15.40	-344.28	-190.92	-18.71
126	12	306.00	-52.66	24.78	14.46	-76.80	66.20	-49.34
126	13	269.50	-61.71	19.32	11.72	-235.81	-152.30	114.42
126	13	287.75	-62.18	19.32	11.72	-235.81	-149.24	-13.72
126	13	306.00	-41.95	19.58	10.72	-50.87	45.95	-47.25
126	14	269.50	-67.10	24.37	14.66	-318.35	-192.97	121.07
126	14	287.75	-67.91	24.37	14.66	-318.35	-190.08	-17.07
126	14	306.00	-44.59	23.39	13.64	-68.78	53.96	-51.37
126	15	269.50	-70.03	20.93	12.45	-261.76	-153.12	113.39
126	15	287.75	-70.59	20.93	12.45	-261.76	-149.99	-15.32

126	15	306.00	-50.02	20.99	11.53	-58.92	58.10	-45.21
126	16	269.50	-75.42	25.99	15.39	-344.31	-193.79	120.03
126	16	287.75	-76.32	25.99	15.39	-344.31	-190.83	-18.68
126	16	306.00	-52.66	24.80	14.45	-76.83	66.11	-49.33
...								
126	203	306.00	-33.22	17.00	9.76	-48.22	38.97	-38.66
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-85.63	1.00	-7.82	-344.32	-287.67	-80.08
			-10.00	34.53	29.87	-1.16	190.06	123.65

Macro	Tipo	Angolo 1-Z (gradi)
129	**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
129	1	0.0	-248.43	-45.00	-5.55	719.77	-8.25	53.66
129	1	18.25	-260.08	-45.00	-5.55	719.77	-6.75	-11.23
129	1	36.50	-240.88	29.87	7.10	402.40	9.19	-81.32
129	2	0.0	-350.38	-60.60	-9.61	1085.67	-7.18	87.81
129	2	18.25	-365.62	-60.60	-9.61	1085.67	-5.07	-5.80
129	2	36.50	-343.78	38.65	11.16	668.80	10.22	-113.55
129	3	0.0	-253.25	-45.77	-5.73	736.76	-8.23	55.21
129	3	18.25	-265.07	-45.77	-5.73	736.76	-6.70	-11.04
129	3	36.50	-245.73	30.28	7.30	414.65	9.37	-82.78
129	4	0.0	-355.20	-61.37	-9.79	1102.66	-7.16	89.36
129	4	18.25	-370.61	-61.37	-9.79	1102.66	-5.03	-5.61
129	4	36.50	-348.63	39.06	11.35	681.05	10.40	-115.01
129	5	0.0	-263.63	-57.31	-7.42	873.96	-26.41	135.60
129	5	18.25	-274.04	-57.31	-7.42	873.96	-26.09	15.10
129	5	36.50	-243.33	21.50	8.14	379.95	-18.83	-70.64
129	6	0.0	-365.58	-72.91	-11.47	1239.86	-25.34	169.75
129	6	18.25	-379.57	-72.91	-11.47	1239.86	-24.42	20.53
129	6	36.50	-346.24	30.28	12.19	646.34	-17.80	-102.87
129	7	0.0	-268.45	-58.09	-7.60	890.95	-26.39	137.15
129	7	18.25	-279.03	-58.09	-7.60	890.95	-26.05	15.28
129	7	36.50	-248.18	21.91	8.33	392.20	-18.65	-72.10
129	8	0.0	-370.40	-73.69	-11.65	1256.85	-25.32	171.29
129	8	18.25	-384.56	-73.69	-11.65	1256.85	-24.38	20.71
129	8	36.50	-351.08	30.69	12.39	658.60	-17.62	-104.33
129	9	0.0	-260.47	-46.93	-6.00	762.25	-8.21	57.53
129	9	18.25	-272.55	-46.93	-6.00	762.25	-6.64	-10.77
129	9	36.50	-253.00	30.89	7.59	433.03	9.64	-84.97
129	10	0.0	-362.42	-62.53	-10.06	1128.15	-7.14	91.68
129	10	18.25	-378.09	-62.53	-10.06	1128.15	-4.97	-5.34
129	10	36.50	-355.90	39.67	11.65	699.43	10.67	-117.19
129	11	0.0	-265.29	-47.70	-6.18	779.24	-8.19	59.08
129	11	18.25	-277.54	-47.70	-6.18	779.24	-6.60	-10.59
129	11	36.50	-257.85	31.29	7.79	445.28	9.81	-86.42
129	12	0.0	-367.24	-63.31	-10.24	1145.14	-7.12	93.23
129	12	18.25	-383.08	-63.31	-10.24	1145.14	-4.93	-5.16
129	12	36.50	-360.75	40.08	11.84	711.68	10.85	-118.65
129	13	0.0	-275.67	-59.25	-7.87	916.44	-26.37	139.47
129	13	18.25	-286.51	-59.25	-7.87	916.44	-25.99	15.56
129	13	36.50	-255.46	22.52	8.63	410.58	-18.38	-74.28
129	14	0.0	-377.62	-74.85	-11.92	1282.33	-25.30	173.62
129	14	18.25	-392.05	-74.85	-11.92	1282.33	-24.32	20.99
129	14	36.50	-358.36	31.30	12.68	676.98	-17.35	-106.51
129	15	0.0	-280.49	-60.02	-8.05	933.43	-26.35	141.02
129	15	18.25	-291.50	-60.02	-8.05	933.43	-25.95	15.74
129	15	36.50	-260.30	22.93	8.82	422.83	-18.20	-75.74
129	16	0.0	-382.44	-75.62	-12.10	1299.32	-25.28	175.17
129	16	18.25	-397.03	-75.62	-12.10	1299.33	-24.28	21.17
129	16	36.50	-363.21	31.71	12.88	689.23	-17.17	-107.97
...								
129	203	36.50	-250.17	25.20	8.39	465.85	-2.82	-78.36
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-947.90	-197.23	-39.49	-1610.95	-96.50	-294.25
			95.04	195.79	25.38	5711.90	204.75	535.04

Macro	Tipo	Angolo 1-Z (gradi)
130	**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
130	1	0.0	-653.69	-9.18	2.44	-2059.82	-43.96	21.50
130	1	18.25	-653.08	-9.18	2.44	-2059.82	-43.26	-10.11
130	1	36.50	-623.45	18.63	2.28	-2080.61	4.47	-25.15
130	2	0.0	-914.24	-14.47	2.11	-2726.97	-50.26	29.58
130	2	18.25	-913.03	-14.47	2.11	-2726.97	-49.30	-8.14
130	2	36.50	-884.75	20.56	2.60	-2765.72	-2.11	-33.15
130	3	0.0	-665.29	-9.33	2.43	-2088.63	-44.29	21.86
130	3	18.25	-664.66	-9.33	2.43	-2088.63	-43.57	-10.06
130	3	36.50	-635.04	18.83	2.30	-2109.48	4.23	-25.50
130	4	0.0	-925.84	-14.63	2.10	-2755.78	-50.58	29.94
130	4	18.25	-924.61	-14.63	2.10	-2755.78	-49.61	-8.08
130	4	36.50	-896.35	20.76	2.62	-2794.59	-2.35	-33.50

130	5	0.0	-651.73	-4.64	-1.21	-2089.14	-8.20	23.09
130	5	18.25	-651.59	-4.64	-1.21	-2089.14	-7.53	9.44
130	5	36.50	-623.56	21.86	-0.11	-2070.96	-21.90	-13.97
130	6	0.0	-912.28	-9.93	-1.54	-2756.29	-14.50	31.17
130	6	18.25	-911.54	-9.93	-1.54	-2756.29	-13.57	11.42
130	6	36.50	-884.86	23.79	0.21	-2756.07	-28.47	-21.98
130	7	0.0	-663.33	-4.80	-1.22	-2117.95	-8.53	23.45
130	7	18.25	-663.17	-4.80	-1.22	-2117.95	-7.85	9.49
130	7	36.50	-635.15	22.06	-0.09	-2099.83	-22.14	-14.32
130	8	0.0	-923.88	-10.09	-1.55	-2785.10	-14.82	31.53
130	8	18.25	-923.12	-10.09	-1.55	-2785.10	-13.88	11.47
130	8	36.50	-896.46	23.99	0.23	-2784.94	-28.71	-22.33
130	9	0.0	-682.70	-9.57	2.41	-2131.85	-44.77	22.40
130	9	18.25	-682.03	-9.57	2.41	-2131.85	-44.04	-9.99
130	9	36.50	-652.44	19.14	2.33	-2152.78	3.87	-26.03
130	10	0.0	-943.25	-14.86	2.08	-2799.00	-51.06	30.48
130	10	18.25	-941.98	-14.86	2.08	-2799.00	-50.08	-8.01
130	10	36.50	-913.75	21.07	2.65	-2837.89	-2.71	-34.03
130	11	0.0	-694.30	-9.73	2.40	-2160.67	-45.09	22.76
130	11	18.25	-693.61	-9.73	2.40	-2160.67	-44.35	-9.94
130	11	36.50	-664.04	19.34	2.35	-2181.65	3.63	-26.37
130	12	0.0	-954.85	-15.02	2.07	-2827.82	-51.38	30.84
130	12	18.25	-953.56	-15.02	2.07	-2827.82	-50.39	-7.96
130	12	36.50	-925.34	21.27	2.67	-2866.76	-2.95	-34.38
130	13	0.0	-680.74	-5.03	-1.24	-2161.17	-9.01	23.98
130	13	18.25	-680.53	-5.03	-1.24	-2161.17	-8.31	9.57
130	13	36.50	-652.55	22.37	-0.06	-2143.13	-22.50	-14.85
130	14	0.0	-941.29	-10.33	-1.57	-2828.32	-15.30	32.07
130	14	18.25	-940.49	-10.33	-1.57	-2828.32	-14.35	11.55
130	14	36.50	-913.86	24.30	0.26	-2828.24	-29.07	-22.85
130	15	0.0	-692.34	-5.19	-1.25	-2189.99	-9.33	24.34
130	15	18.25	-692.11	-5.19	-1.25	-2189.99	-8.62	9.62
130	15	36.50	-664.15	22.57	-0.04	-2172.00	-22.74	-15.20
130	16	0.0	-952.89	-10.48	-1.58	-2857.14	-15.62	32.43
130	16	18.25	-952.07	-10.48	-1.58	-2857.14	-14.66	11.60
130	16	36.50	-925.45	24.50	0.28	-2857.11	-29.31	-23.20
...								
130	203	36.50	-640.63	16.98	1.04	-2016.04	-10.66	-19.97
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-955.50	-120.19	-33.15	-4557.42	-273.21	-201.95
			-243.97	84.16	26.50	1663.65	235.50	195.44

Macro	Tipo	Angolo 1-Z (gradi)
131	**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
131	1	0.0	-650.56	-10.75	0.49	-2082.54	-0.73	-7.66
131	1	18.25	-649.74	-10.75	0.49	-2082.54	-1.05	-5.53
131	1	36.50	-621.33	18.31	0.56	-2097.86	9.98	0.83
131	2	0.0	-915.86	-16.17	0.31	-2763.49	0.78	-8.34
131	2	18.25	-914.34	-16.17	0.31	-2763.49	0.42	-5.33
131	2	36.50	-887.53	21.00	0.67	-2794.76	10.77	1.62
131	3	0.0	-662.56	-10.95	0.47	-2112.27	-0.65	-7.68
131	3	18.25	-661.72	-10.95	0.47	-2112.27	-0.97	-5.52
131	3	36.50	-633.34	18.51	0.56	-2127.54	9.98	0.84
131	4	0.0	-927.87	-16.38	0.30	-2793.22	0.86	-8.36
131	4	18.25	-926.32	-16.38	0.30	-2793.22	0.49	-5.32
131	4	36.50	-899.54	21.19	0.68	-2824.44	10.77	1.63
131	5	0.0	-645.17	-4.68	-0.67	-2131.21	10.66	-2.20
131	5	18.25	-644.81	-4.68	-0.67	-2131.21	10.60	3.86
131	5	36.50	-619.81	22.69	-0.68	-2095.69	-3.31	5.08
131	6	0.0	-910.48	-10.10	-0.84	-2812.17	12.16	-2.88
131	6	18.25	-909.41	-10.10	-0.84	-2812.17	12.07	4.06
131	6	36.50	-886.02	25.38	-0.57	-2792.59	-2.53	5.88
131	7	0.0	-657.18	-4.89	-0.68	-2160.94	10.74	-2.22
131	7	18.25	-656.78	-4.89	-0.68	-2160.94	10.68	3.87
131	7	36.50	-631.82	22.89	-0.67	-2125.37	-3.31	5.10
131	8	0.0	-922.48	-10.31	-0.86	-2841.89	12.24	-2.90
131	8	18.25	-921.38	-10.31	-0.86	-2841.89	12.14	4.07
131	8	36.50	-898.03	25.58	-0.56	-2822.27	-2.53	5.89
131	9	0.0	-680.57	-11.27	0.45	-2156.86	-0.53	-7.71
131	9	18.25	-679.68	-11.27	0.45	-2156.86	-0.86	-5.50
131	9	36.50	-651.35	18.80	0.57	-2172.06	9.99	0.86
131	10	0.0	-945.87	-16.69	0.28	-2837.81	0.97	-8.39
131	10	18.25	-944.28	-16.69	0.28	-2837.81	0.61	-5.30
131	10	36.50	-917.56	21.49	0.68	-2868.96	10.77	1.65
131	11	0.0	-692.57	-11.48	0.44	-2186.58	-0.45	-7.73
131	11	18.25	-691.65	-11.48	0.44	-2186.58	-0.78	-5.48
131	11	36.50	-663.36	19.00	0.58	-2201.74	9.99	0.87
131	12	0.0	-957.87	-16.90	0.27	-2867.54	1.05	-8.41
131	12	18.25	-956.25	-16.90	0.27	-2867.54	0.69	-5.29
131	12	36.50	-929.57	21.69	0.69	-2898.64	10.77	1.66
131	13	0.0	-675.18	-5.20	-0.70	-2205.53	10.85	-2.25
131	13	18.25	-674.74	-5.20	-0.70	-2205.53	10.79	3.89
131	13	36.50	-649.84	23.19	-0.66	-2169.89	-3.31	5.11
131	14	0.0	-940.48	-10.62	-0.88	-2886.48	12.36	-2.93
131	14	18.25	-939.34	-10.62	-0.88	-2886.48	12.26	4.09
131	14	36.50	-916.04	25.87	-0.55	-2866.79	-2.52	5.91
131	15	0.0	-687.19	-5.41	-0.71	-2235.26	10.93	-2.27
131	15	18.25	-686.72	-5.41	-0.71	-2235.26	10.87	3.90
131	15	36.50	-661.85	23.38	-0.66	-2199.57	-3.31	5.12
131	16	0.0	-952.49	-10.83	-0.89	-2916.21	12.44	-2.94

131	16	18.25	-951.31	-10.83	-0.89	-2916.21	12.34	4.10
131	16	36.50	-928.06	26.07	-0.54	-2896.47	-2.52	5.92
...								
131	203	36.50	-641.76	17.57	0.02	-2039.99	2.99	2.72
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-959.67	-32.20	-24.15	-3962.35	-209.17	-163.31
			-336.34	38.45	23.73	100.14	201.50	133.85

Macro	Tipo	Angolo 1-Z (gradi)
132	**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
132	1	0.0	-651.77	-10.50	0.28	-2108.34	-3.56	0.71
132	1	18.25	-651.08	-10.50	0.28	-2108.34	-3.57	-0.94
132	1	36.50	-622.43	18.23	0.14	-2121.71	0.66	-2.14
132	2	0.0	-919.25	-15.83	0.27	-2796.81	-3.81	1.12
132	2	18.25	-917.88	-15.83	0.27	-2796.81	-3.81	-0.73
132	2	36.50	-890.76	20.95	0.13	-2826.48	0.20	-2.49
132	3	0.0	-663.99	-10.71	0.28	-2138.39	-3.57	0.74
132	3	18.25	-663.27	-10.71	0.28	-2138.39	-3.58	-0.93
132	3	36.50	-634.65	18.42	0.14	-2151.77	0.63	-2.15
132	4	0.0	-931.47	-16.04	0.27	-2826.86	-3.82	1.14
132	4	18.25	-930.07	-16.04	0.27	-2826.86	-3.82	-0.72
132	4	36.50	-902.98	21.15	0.13	-2856.54	0.17	-2.51
132	5	0.0	-646.19	-4.46	-0.13	-2156.59	0.84	1.91
132	5	18.25	-645.86	-4.46	-0.13	-2156.59	0.91	1.96
132	5	36.50	-620.51	22.81	-0.27	-2124.62	-3.38	-0.51
132	6	0.0	-913.67	-9.78	-0.14	-2845.06	0.59	2.32
132	6	18.25	-912.66	-9.78	-0.14	-2845.06	0.67	2.18
132	6	36.50	-888.84	25.53	-0.28	-2829.39	-3.84	-0.87
132	7	0.0	-658.40	-4.66	-0.13	-2186.64	0.83	1.94
132	7	18.25	-658.04	-4.66	-0.13	-2186.64	0.90	1.97
132	7	36.50	-632.73	23.00	-0.27	-2154.68	-3.40	-0.53
132	8	0.0	-925.89	-9.99	-0.15	-2875.11	0.58	2.34
132	8	18.25	-924.84	-9.99	-0.15	-2875.11	0.66	2.19
132	8	36.50	-901.06	25.73	-0.27	-2859.45	-3.86	-0.89
132	9	0.0	-682.31	-11.02	0.28	-2183.47	-3.59	0.77
132	9	18.25	-681.55	-11.02	0.28	-2183.47	-3.59	-0.91
132	9	36.50	-652.97	18.72	0.14	-2196.85	0.60	-2.18
132	10	0.0	-949.79	-16.35	0.26	-2871.94	-3.83	1.18
132	10	18.25	-948.35	-16.35	0.26	-2871.94	-3.83	-0.70
132	10	36.50	-921.30	21.45	0.14	-2901.62	0.14	-2.54
132	11	0.0	-694.53	-11.23	0.27	-2213.52	-3.60	0.79
132	11	18.25	-693.73	-11.23	0.27	-2213.52	-3.60	-0.91
132	11	36.50	-665.19	18.92	0.14	-2226.91	0.57	-2.20
132	12	0.0	-962.01	-16.56	0.26	-2901.99	-3.84	1.20
132	12	18.25	-960.54	-16.56	0.26	-2901.99	-3.84	-0.69
132	12	36.50	-933.52	21.64	0.14	-2931.68	0.12	-2.56
132	13	0.0	-676.73	-4.98	-0.14	-2231.71	0.81	1.97
132	13	18.25	-676.32	-4.98	-0.14	-2231.71	0.89	1.99
132	13	36.50	-651.05	23.30	-0.27	-2199.76	-3.44	-0.56
132	14	0.0	-944.21	-10.30	-0.15	-2920.18	0.57	2.37
132	14	18.25	-943.12	-10.30	-0.15	-2920.18	0.65	2.20
132	14	36.50	-919.38	26.02	-0.27	-2904.53	-3.90	-0.92
132	15	0.0	-688.94	-5.18	-0.14	-2261.76	0.80	1.99
132	15	18.25	-688.51	-5.18	-0.14	-2261.76	0.88	2.00
132	15	36.50	-663.27	23.50	-0.27	-2229.82	-3.46	-0.58
132	16	0.0	-956.43	-10.51	-0.15	-2950.23	0.56	2.40
132	16	18.25	-955.31	-10.51	-0.15	-2950.23	0.64	2.21
132	16	36.50	-931.60	26.22	-0.27	-2934.59	-3.92	-0.93
...								
132	203	36.50	-643.97	17.60	-0.05	-2065.19	-1.34	-1.24
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-963.87	-18.57	-22.14	-3856.40	-189.34	-142.13
			-388.83	31.75	23.18	-585.86	185.78	129.09

Macro	Tipo	Angolo 1-Z (gradi)
133	**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
133	1	0.0	-654.33	-10.58	-0.37	-2120.09	3.93	-0.24
133	1	18.25	-653.64	-10.58	-0.37	-2120.09	3.95	1.67
133	1	36.50	-624.98	18.24	-0.18	-2133.56	-1.75	1.75
133	2	0.0	-921.81	-15.90	-0.36	-2808.56	4.18	-0.64
133	2	18.25	-920.44	-15.90	-0.36	-2808.56	4.18	1.46
133	2	36.50	-893.31	20.97	-0.18	-2838.33	-1.29	2.11
133	3	0.0	-666.55	-10.78	-0.37	-2150.14	3.94	-0.26
133	3	18.25	-665.83	-10.78	-0.37	-2150.14	3.96	1.66
133	3	36.50	-637.20	18.44	-0.18	-2163.62	-1.72	1.77
133	4	0.0	-934.03	-16.11	-0.35	-2838.61	4.19	-0.66
133	4	18.25	-932.63	-16.11	-0.35	-2838.61	4.19	1.45
133	4	36.50	-905.53	21.16	-0.18	-2868.38	-1.27	2.13
133	5	0.0	-648.75	-4.53	0.04	-2168.34	-0.47	-1.43
133	5	18.25	-648.42	-4.53	0.04	-2168.34	-0.53	-1.23

133	5	36.50	-623.06	22.82	0.23	-2136.47	2.29	0.13
133	6	0.0	-916.23	-9.85	0.06	-2856.81	-0.22	-1.84
133	6	18.25	-915.22	-9.85	0.06	-2856.81	-0.30	-1.44
133	6	36.50	-891.39	25.55	0.23	-2841.24	2.75	0.49
133	7	0.0	-660.96	-4.74	0.04	-2198.39	-0.46	-1.46
133	7	18.25	-660.60	-4.74	0.04	-2198.39	-0.52	-1.24
133	7	36.50	-635.28	23.02	0.23	-2166.53	2.31	0.15
133	8	0.0	-928.45	-10.06	0.06	-2886.85	-0.21	-1.86
133	8	18.25	-927.40	-10.06	0.06	-2886.86	-0.29	-1.45
133	8	36.50	-903.61	25.74	0.23	-2871.29	2.77	0.51
133	9	0.0	-684.87	-11.09	-0.36	-2195.22	3.95	-0.29
133	9	18.25	-684.11	-11.09	-0.36	-2195.22	3.97	1.65
133	9	36.50	-655.52	18.74	-0.18	-2208.70	-1.69	1.80
133	10	0.0	-952.35	-16.42	-0.35	-2883.68	4.20	-0.70
133	10	18.25	-950.91	-16.42	-0.35	-2883.69	4.20	1.44
133	10	36.50	-923.85	21.46	-0.18	-2913.47	-1.23	2.16
133	11	0.0	-697.08	-11.30	-0.36	-2225.27	3.96	-0.32
133	11	18.25	-696.29	-11.30	-0.36	-2225.27	3.98	1.64
133	11	36.50	-667.74	18.94	-0.18	-2238.76	-1.67	1.82
133	12	0.0	-964.57	-16.63	-0.35	-2913.73	4.21	-0.72
133	12	18.25	-963.09	-16.63	-0.35	-2913.73	4.21	1.43
133	12	36.50	-936.07	21.66	-0.18	-2943.52	-1.21	2.18
133	13	0.0	-679.29	-5.05	0.05	-2243.46	-0.45	-1.49
133	13	18.25	-678.88	-5.05	0.05	-2243.46	-0.51	-1.25
133	13	36.50	-653.60	23.32	0.23	-2211.61	2.35	0.18
133	14	0.0	-946.77	-10.37	0.06	-2931.93	-0.20	-1.90
133	14	18.25	-945.68	-10.37	0.06	-2931.93	-0.28	-1.47
133	14	36.50	-921.93	26.04	0.23	-2916.38	2.80	0.53
133	15	0.0	-691.50	-5.25	0.05	-2273.51	-0.44	-1.51
133	15	18.25	-691.07	-5.25	0.05	-2273.51	-0.50	-1.26
133	15	36.50	-665.82	23.52	0.22	-2241.67	2.37	0.19
133	16	0.0	-958.98	-10.58	0.06	-2961.98	-0.19	-1.92
133	16	18.25	-957.87	-10.58	0.06	-2961.98	-0.27	-1.47
133	16	36.50	-934.15	26.24	0.23	-2946.43	2.83	0.55
...								
133	203	36.50	-645.93	17.62	0.02	-2074.30	0.50	0.95
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-966.43	-18.64	-23.30	-3856.96	-186.85	-128.71
			-389.11	31.80	22.15	-592.10	189.90	143.03

Macro	Tipo	Angolo 1-Z (gradi)
134	**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
134	1	0.0	-657.26	-11.00	-0.52	-2116.21	0.95	7.95
134	1	18.25	-656.44	-11.00	-0.52	-2116.21	1.28	6.07
134	1	36.50	-628.01	18.29	-0.61	-2131.77	-10.73	-1.03
134	2	0.0	-922.56	-16.43	-0.34	-2797.16	-0.55	8.63
134	2	18.25	-921.04	-16.43	-0.34	-2797.16	-0.19	5.88
134	2	36.50	-894.22	20.97	-0.73	-2828.67	-11.52	-1.83
134	3	0.0	-669.26	-11.21	-0.50	-2145.94	0.87	7.97
134	3	18.25	-668.42	-11.21	-0.50	-2145.94	1.20	6.06
134	3	36.50	-640.03	18.48	-0.62	-2161.45	-10.73	-1.04
134	4	0.0	-934.56	-16.63	-0.33	-2826.89	-0.63	8.65
134	4	18.25	-933.01	-16.63	-0.33	-2826.89	-0.26	5.86
134	4	36.50	-906.23	21.17	-0.73	-2858.35	-11.52	-1.84
134	5	0.0	-651.87	-4.94	0.64	-2164.88	-10.43	2.49
134	5	18.25	-651.51	-4.94	0.64	-2164.88	-10.37	-3.32
134	5	36.50	-626.50	22.67	0.62	-2129.60	2.56	-5.29
134	6	0.0	-917.17	-10.36	0.81	-2845.84	-11.94	3.17
134	6	18.25	-916.11	-10.36	0.81	-2845.84	-11.84	-3.51
134	6	36.50	-892.71	25.35	0.51	-2826.50	1.78	-6.08
134	7	0.0	-663.87	-5.15	0.65	-2194.61	-10.51	2.51
134	7	18.25	-663.48	-5.15	0.65	-2194.61	-10.45	-3.33
134	7	36.50	-638.51	22.87	0.61	-2159.28	2.56	-5.30
134	8	0.0	-929.18	-10.57	0.83	-2875.56	-12.02	3.19
134	8	18.25	-928.08	-10.57	0.83	-2875.56	-11.91	-3.53
134	8	36.50	-904.72	25.55	0.50	-2856.18	1.78	-6.09
134	9	0.0	-687.27	-11.53	-0.48	-2190.53	0.75	8.00
134	9	18.25	-686.38	-11.53	-0.48	-2190.53	1.09	6.04
134	9	36.50	-658.04	18.78	-0.63	-2205.97	-10.74	-1.06
134	10	0.0	-952.57	-16.95	-0.31	-2871.48	-0.75	8.68
134	10	18.25	-950.98	-16.95	-0.31	-2871.48	-0.38	5.84
134	10	36.50	-924.25	21.46	-0.74	-2902.87	-11.52	-1.86
134	11	0.0	-699.27	-11.73	-0.47	-2220.25	0.68	8.02
134	11	18.25	-698.35	-11.73	-0.47	-2220.25	1.01	6.03
134	11	36.50	-670.05	18.98	-0.63	-2235.65	-10.74	-1.07
134	12	0.0	-964.57	-17.16	-0.29	-2901.21	-0.83	8.70
134	12	18.25	-962.95	-17.16	-0.29	-2901.21	-0.46	5.83
134	12	36.50	-936.26	21.66	-0.75	-2932.55	-11.52	-1.87
134	13	0.0	-681.88	-5.46	0.67	-2239.20	-10.63	2.54
134	13	18.25	-681.44	-5.46	0.67	-2239.20	-10.56	-3.35
134	13	36.50	-656.53	23.16	0.61	-2203.80	2.56	-5.32
134	14	0.0	-947.18	-10.88	0.85	-2920.15	-12.14	3.22
134	14	18.25	-946.04	-10.88	0.85	-2920.15	-12.03	-3.55
134	14	36.50	-922.73	25.85	0.49	-2900.70	1.77	-6.11
134	15	0.0	-693.88	-5.67	0.68	-2268.93	-10.71	2.56
134	15	18.25	-693.41	-5.67	0.68	-2268.93	-10.64	-3.36
134	15	36.50	-668.54	23.36	0.60	-2233.48	2.56	-5.33
134	16	0.0	-959.18	-11.09	0.86	-2949.88	-12.21	3.24
134	16	18.25	-958.01	-11.09	0.86	-2949.88	-12.11	-3.56
134	16	36.50	-934.74	26.04	0.49	-2930.38	1.77	-6.12

...								
134	203	36.50	-646.90	17.55	-0.07	-2066.07	-3.56	-2.88
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-966.37	-32.51	-23.75	-3979.63	-202.26	-133.35
			-337.34	38.49	24.12	88.05	209.64	164.00

Macro	Tipo	Angolo 1-Z (gradi)
135	**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
135	1	0.0	-660.79	-9.40	-2.42	-2104.87	44.35	-21.70
135	1	18.25	-660.20	-9.40	-2.42	-2104.87	43.64	10.36
135	1	36.50	-630.51	18.64	-2.33	-2126.09	-4.49	25.45
135	2	0.0	-921.34	-14.69	-2.09	-2772.02	50.64	-29.78
135	2	18.25	-920.15	-14.69	-2.09	-2772.02	49.68	8.38
135	2	36.50	-891.82	20.57	-2.65	-2811.20	2.08	33.45
135	3	0.0	-672.39	-9.56	-2.41	-2133.68	44.67	-22.06
135	3	18.25	-671.78	-9.56	-2.41	-2133.68	43.95	10.30
135	3	36.50	-642.11	18.84	-2.35	-2154.96	-4.25	25.80
135	4	0.0	-932.94	-14.85	-2.08	-2800.83	50.96	-30.14
135	4	18.25	-931.73	-14.85	-2.08	-2800.83	49.99	8.33
135	4	36.50	-903.41	20.77	-2.67	-2840.07	2.32	33.80
135	5	0.0	-658.83	-4.86	1.23	-2134.19	8.59	-23.28
135	5	18.25	-658.71	-4.86	1.23	-2134.19	7.91	-9.20
135	5	36.50	-630.62	21.87	0.06	-2116.44	21.87	14.27
135	6	0.0	-919.38	-10.15	1.56	-2801.34	14.88	-31.37
135	6	18.25	-918.66	-10.15	1.56	-2801.34	13.95	-11.18
135	6	36.50	-891.93	23.80	-0.26	-2801.55	28.45	22.27
135	7	0.0	-670.43	-5.02	1.24	-2163.00	8.91	-23.64
135	7	18.25	-670.28	-5.02	1.24	-2163.00	8.22	-9.25
135	7	36.50	-642.22	22.07	0.04	-2145.31	22.11	14.62
135	8	0.0	-930.98	-10.31	1.57	-2830.15	15.21	-31.73
135	8	18.25	-930.24	-10.31	1.57	-2830.15	14.26	-11.23
135	8	36.50	-903.52	24.01	-0.28	-2830.42	28.69	22.62
135	9	0.0	-689.80	-9.80	-2.39	-2176.90	45.15	-22.60
135	9	18.25	-689.14	-9.80	-2.39	-2176.90	44.41	10.23
135	9	36.50	-659.50	19.15	-2.38	-2198.26	-3.89	26.32
135	10	0.0	-950.35	-15.09	-2.07	-2844.05	51.45	-30.68
135	10	18.25	-949.10	-15.09	-2.07	-2844.05	50.45	8.25
135	10	36.50	-920.81	21.08	-2.70	-2883.37	2.68	34.32
135	11	0.0	-701.40	-9.95	-2.38	-2205.72	45.48	-22.96
135	11	18.25	-700.72	-9.95	-2.38	-2205.72	44.72	10.18
135	11	36.50	-671.10	19.35	-2.40	-2227.13	-3.65	26.67
135	12	0.0	-961.95	-15.25	-2.05	-2872.87	51.77	-31.04
135	12	18.25	-960.68	-15.25	-2.05	-2872.87	50.76	8.20
135	12	36.50	-932.41	21.28	-2.72	-2912.24	2.92	34.67
135	13	0.0	-687.84	-5.26	1.26	-2206.22	9.40	-24.18
135	13	18.25	-687.65	-5.26	1.26	-2206.22	8.69	-9.33
135	13	36.50	-659.61	22.38	9.96e-03	-2188.61	22.47	15.14
135	14	0.0	-948.39	-10.55	1.59	-2873.37	15.69	-32.27
135	14	18.25	-947.61	-10.55	1.59	-2873.37	14.73	-11.31
135	14	36.50	-920.92	24.31	-0.31	-2873.72	29.05	23.15
135	15	0.0	-699.44	-5.42	1.27	-2235.04	9.72	-24.54
135	15	18.25	-699.23	-5.42	1.27	-2235.04	9.00	-9.38
135	15	36.50	-671.21	22.58	-9.51e-03	-2217.48	22.71	15.49
135	16	0.0	-959.99	-10.71	1.60	-2902.19	16.01	-32.63
135	16	18.25	-959.18	-10.71	1.60	-2902.19	15.04	-11.36
135	16	36.50	-932.52	24.51	-0.33	-2902.59	29.29	23.49
...								
135	203	36.50	-646.06	16.99	-1.08	-2051.02	10.64	20.20
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-962.60	-120.83	-26.50	-4623.51	-235.73	-195.61
			-248.37	84.74	33.18	1657.08	273.85	202.42

Macro	Tipo	Angolo 1-Z (gradi)
136	**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
136	1	0.0	-248.29	-45.65	5.52	706.42	9.10	-53.91
136	1	18.25	-260.08	-45.65	5.52	706.42	7.61	11.37
136	1	36.50	-240.71	30.30	-7.07	384.82	-8.47	81.66
136	2	0.0	-350.24	-61.25	9.57	1072.32	8.03	-88.05
136	2	18.25	-365.61	-61.25	9.57	1072.32	5.93	5.94
136	2	36.50	-343.61	39.08	-11.13	651.22	-9.50	113.89
136	3	0.0	-253.11	-46.42	5.70	723.41	9.09	-55.45
136	3	18.25	-265.07	-46.42	5.70	723.41	7.56	11.19
136	3	36.50	-245.55	30.70	-7.27	397.07	-8.65	83.12
136	4	0.0	-355.06	-62.02	9.75	1089.31	8.02	-89.60
136	4	18.25	-370.60	-62.02	9.75	1089.31	5.89	5.76
136	4	36.50	-348.46	39.48	-11.32	663.47	-9.68	115.34
136	5	0.0	-263.49	-57.96	7.38	860.61	27.26	-135.84
136	5	18.25	-274.04	-57.96	7.38	860.61	26.96	-14.96
136	5	36.50	-243.16	21.93	-8.11	362.37	19.55	70.98
136	6	0.0	-365.44	-73.56	11.43	1226.51	26.19	-169.99

136	6	18.25	-379.57	-73.56	11.43	1226.51	25.28	-20.39
136	6	36.50	-346.06	30.71	-12.16	628.77	18.52	103.21
136	7	0.0	-268.31	-58.74	7.56	877.60	27.25	-137.39
136	7	18.25	-279.02	-58.74	7.56	877.60	26.91	-15.14
136	7	36.50	-248.01	22.34	-8.30	374.62	19.37	72.44
136	8	0.0	-370.26	-74.34	11.61	1243.50	26.18	-171.54
136	8	18.25	-384.56	-74.34	11.61	1243.50	25.24	-20.57
136	8	36.50	-350.91	31.12	-12.36	641.02	18.34	104.66
136	9	0.0	-260.33	-47.58	5.97	748.90	9.06	-57.78
136	9	18.25	-272.55	-47.58	5.97	748.90	7.50	10.91
136	9	36.50	-252.83	31.31	-7.56	415.45	-8.92	85.30
136	10	0.0	-362.28	-63.18	10.02	1114.80	7.99	-91.92
136	10	18.25	-378.08	-63.18	10.02	1114.80	5.83	5.49
136	10	36.50	-355.73	40.10	-11.62	681.85	-9.95	117.53
136	11	0.0	-265.15	-48.36	6.15	765.89	9.05	-59.33
136	11	18.25	-277.54	-48.36	6.15	765.89	7.46	10.73
136	11	36.50	-257.68	31.72	-7.76	427.70	-9.09	86.76
136	12	0.0	-367.09	-63.96	10.20	1131.79	7.98	-93.47
136	12	18.25	-383.07	-63.96	10.20	1131.79	5.79	5.30
136	12	36.50	-360.58	40.50	-11.81	694.10	-10.13	118.99
136	13	0.0	-275.53	-59.90	7.83	903.09	27.22	-139.72
136	13	18.25	-286.51	-59.90	7.83	903.09	26.85	-15.41
136	13	36.50	-255.28	22.95	-8.60	393.00	19.10	74.62
136	14	0.0	-377.48	-75.50	11.89	1268.99	26.15	-173.86
136	14	18.25	-392.04	-75.50	11.89	1268.99	25.18	-20.84
136	14	36.50	-358.18	31.73	-12.65	659.40	18.07	106.85
136	15	0.0	-280.34	-60.67	8.01	920.08	27.21	-141.27
136	15	18.25	-291.50	-60.67	8.01	920.08	26.81	-15.60
136	15	36.50	-260.13	23.35	-8.79	405.25	18.92	76.08
136	16	0.0	-382.29	-76.27	12.07	1285.98	26.14	-175.41
136	16	18.25	-397.03	-76.27	12.07	1285.98	25.14	-21.02
136	16	36.50	-363.03	32.14	-12.85	671.65	17.89	108.30
...								
136	203	36.50	-250.03	25.53	-8.37	452.33	3.38	78.61
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-949.48	-198.52	-25.41	-1668.27	-206.10	-536.05
			95.13	197.49	39.72	5713.41	97.50	294.33

Macro	Tipo	Angolo 1-Z (gradi)
137	**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
137	1	0.0	-1295.50	-0.41	-25.65	-1.43	-393.38	0.94
137	1	18.25	-1311.50	-0.41	-25.65	-0.92	-394.60	1.00
137	1	36.50	-1241.94	-0.41	33.17	6.88	-326.32	1.37
137	2	0.0	-1942.02	-0.41	-36.43	-1.43	-511.81	0.94
137	2	18.25	-1964.12	-0.41	-36.43	-0.92	-512.89	1.00
137	2	36.50	-1880.06	-0.41	42.14	6.88	-461.30	1.37
137	3	0.0	-1325.50	-0.41	-26.12	-1.43	-398.70	0.94
137	3	18.25	-1341.78	-0.41	-26.12	-0.92	-399.91	1.00
137	3	36.50	-1271.69	-0.41	33.61	6.88	-331.96	1.37
137	4	0.0	-1972.02	-0.41	-36.89	-1.43	-517.12	0.94
137	4	18.25	-1994.39	-0.41	-36.89	-0.92	-518.20	1.00
137	4	36.50	-1909.82	-0.41	42.57	6.88	-466.95	1.37
137	5	0.0	-1292.11	-0.41	-21.51	-1.43	-413.89	0.94
137	5	18.25	-1301.02	-0.41	-21.51	-0.92	-411.20	1.00
137	5	36.50	-1240.01	-0.41	32.36	6.88	-313.80	1.37
137	6	0.0	-1938.63	-0.41	-32.29	-1.43	-532.32	0.94
137	6	18.25	-1953.64	-0.41	-32.29	-0.92	-529.50	1.00
137	6	36.50	-1878.14	-0.41	41.33	6.88	-448.78	1.37
137	7	0.0	-1322.11	-0.41	-21.98	-1.43	-419.21	0.94
137	7	18.25	-1331.29	-0.41	-21.98	-0.92	-416.51	1.00
137	7	36.50	-1269.76	-0.41	32.80	6.88	-319.44	1.37
137	8	0.0	-1968.63	-0.41	-32.76	-1.43	-537.63	0.94
137	8	18.25	-1983.91	-0.41	-32.76	-0.92	-534.80	1.00
137	8	36.50	-1907.89	-0.41	41.76	6.88	-454.43	1.37
137	9	0.0	-1370.50	-0.41	-26.82	-1.43	-406.67	0.94
137	9	18.25	-1387.18	-0.41	-26.82	-0.92	-407.87	1.00
137	9	36.50	-1316.32	-0.41	34.25	6.88	-340.43	1.37
137	10	0.0	-2017.02	-0.41	-37.60	-1.43	-525.09	0.94
137	10	18.25	-2039.80	-0.41	-37.60	-0.92	-526.16	1.00
137	10	36.50	-1954.44	-0.41	43.22	6.88	-475.41	1.37
137	11	0.0	-1400.50	-0.41	-27.29	-1.43	-411.98	0.94
137	11	18.25	-1417.46	-0.41	-27.29	-0.92	-413.17	1.00
137	11	36.50	-1346.07	-0.41	34.69	6.88	-346.07	1.37
137	12	0.0	-2047.02	-0.41	-38.06	-1.43	-530.40	0.94
137	12	18.25	-2070.07	-0.41	-38.06	-0.92	-531.47	1.00
137	12	36.50	-1984.20	-0.41	43.65	6.88	-481.06	1.37
137	13	0.0	-1367.11	-0.41	-22.68	-1.43	-427.18	0.94
137	13	18.25	-1376.70	-0.41	-22.68	-0.92	-424.47	1.00
137	13	36.50	-1314.39	-0.41	33.44	6.88	-327.91	1.37
137	14	0.0	-2013.63	-0.41	-33.46	-1.43	-545.60	0.94
137	14	18.25	-2029.32	-0.41	-33.46	-0.92	-542.76	1.00
137	14	36.50	-1952.52	-0.41	42.41	6.88	-462.89	1.37
137	15	0.0	-1397.11	-0.41	-23.15	-1.43	-432.49	0.94
137	15	18.25	-1406.97	-0.41	-23.15	-0.92	-429.78	1.00
137	15	36.50	-1344.14	-0.41	33.88	6.88	-333.55	1.37
137	16	0.0	-2043.63	-0.41	-33.93	-1.43	-550.91	0.94
137	16	18.25	-2059.59	-0.41	-33.93	-0.92	-548.07	1.00
137	16	36.50	-1982.27	-0.41	42.84	6.88	-468.54	1.37
...								
137	203	36.50	-1350.47	-0.32	30.79	5.29	-328.73	1.05

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-3370.60	-954.00	-55.27	-1.210e+05	-604.13	-375.34
	475.48	953.75	66.88	1.204e+05	-85.51	378.39

Macro	Tipo	Angolo 1-Z (gradi)
140	**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
140	1	0.0	-696.99	51.33	-5.68	-3869.75	99.81	-106.54
140	1	18.25	-709.54	51.33	-5.68	-3869.75	96.54	8.77
140	1	36.50	-666.86	-11.47	-7.94	-3457.53	-26.88	45.30
140	2	0.0	-912.40	67.19	-4.92	-5049.25	91.86	-112.48
140	2	18.25	-928.79	67.19	-4.92	-5049.25	87.90	8.94
140	2	36.50	-877.90	-17.97	-8.95	-4525.20	-37.02	50.61
140	3	0.0	-707.48	52.07	-5.63	-3927.26	99.41	-106.85
140	3	18.25	-720.21	52.07	-5.63	-3927.26	96.11	8.75
140	3	36.50	-677.16	-11.81	-7.97	-3509.90	-27.20	45.57
140	4	0.0	-922.89	67.93	-4.87	-5106.76	91.46	-112.79
140	4	18.25	-939.46	67.93	-4.87	-5106.76	87.47	8.92
140	4	36.50	-888.20	-18.31	-8.98	-4577.57	-37.34	50.88
140	5	0.0	-691.86	50.47	-6.50	-3873.84	100.30	-138.92
140	5	18.25	-702.92	50.47	-6.50	-3873.84	95.46	8.36
140	5	36.50	-667.53	-17.09	-9.38	-3431.76	-46.25	50.17
140	6	0.0	-907.28	66.32	-5.73	-5053.34	92.36	-144.86
140	6	18.25	-922.17	66.32	-5.73	-5053.34	86.82	8.53
140	6	36.50	-878.57	-23.60	-10.39	-4499.44	-56.39	55.47
140	7	0.0	-702.35	51.21	-6.45	-3931.35	99.90	-139.23
140	7	18.25	-713.59	51.21	-6.45	-3931.35	95.03	8.34
140	7	36.50	-677.82	-17.43	-9.42	-3484.13	-46.57	50.44
140	8	0.0	-917.76	67.07	-5.69	-5110.85	91.96	-145.17
140	8	18.25	-932.84	67.07	-5.69	-5110.85	86.39	8.51
140	8	36.50	-888.87	-23.93	-10.42	-4551.81	-56.71	55.74
140	9	0.0	-723.20	53.19	-5.56	-4013.53	98.81	-107.31
140	9	18.25	-736.21	53.19	-5.56	-4013.53	95.46	8.72
140	9	36.50	-692.60	-12.32	-8.03	-3588.45	-27.68	45.98
140	10	0.0	-938.61	69.05	-4.80	-5193.03	90.86	-113.25
140	10	18.25	-955.47	69.05	-4.80	-5193.03	86.82	8.89
140	10	36.50	-903.64	-18.82	-9.03	-4656.13	-37.82	51.28
140	11	0.0	-733.69	53.93	-5.52	-4071.04	98.41	-107.61
140	11	18.25	-746.88	53.93	-5.52	-4071.04	95.03	8.70
140	11	36.50	-702.90	-12.66	-8.06	-3640.83	-28.00	46.24
140	12	0.0	-949.10	69.79	-4.75	-5250.54	90.46	-113.55
140	12	18.25	-966.13	69.79	-4.75	-5250.54	86.39	8.87
140	12	36.50	-913.94	-19.16	-9.07	-4708.50	-38.14	51.55
140	13	0.0	-718.07	52.32	-6.38	-4017.62	99.30	-139.69
140	13	18.25	-729.59	52.32	-6.38	-4017.62	94.39	8.31
140	13	36.50	-693.27	-17.94	-9.47	-3562.69	-47.05	50.84
140	14	0.0	-933.49	68.18	-5.62	-5197.12	91.36	-145.63
140	14	18.25	-948.85	68.18	-5.62	-5197.12	85.74	8.48
140	14	36.50	-904.31	-24.44	-10.48	-4630.36	-57.19	56.15
140	15	0.0	-728.56	53.06	-6.34	-4075.13	98.90	-140.00
140	15	18.25	-740.26	53.06	-6.34	-4075.13	93.95	8.29
140	15	36.50	-703.56	-18.28	-9.50	-3615.06	-47.37	51.11
140	16	0.0	-943.97	68.92	-5.57	-5254.63	90.96	-145.94
140	16	18.25	-959.52	68.92	-5.57	-5254.63	85.31	8.46
140	16	36.50	-914.60	-24.78	-10.51	-4682.74	-57.51	56.41
...								
140	203	36.50	-645.00	-15.09	-7.26	-3316.91	-34.13	40.05
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1592.08	-122.11	-35.09	-1.046e+04	-222.95	-185.67
			101.51	243.39	11.29	337.04	252.17	112.15

Macro	Tipo	Angolo 1-Z (gradi)
141	**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
141	1	0.0	-1031.41	9.01	3.24	-1866.52	-48.52	6.51
141	1	18.25	-1025.64	9.01	3.24	-1866.52	-48.74	-1.85
141	1	36.50	-1023.61	-29.19	2.83	-1954.41	1.56	-3.40
141	2	0.0	-1383.06	15.53	3.20	-2341.44	-51.56	3.85
141	2	18.25	-1375.41	15.53	3.20	-2341.44	-52.03	-1.69
141	2	36.50	-1375.32	-33.49	2.56	-2411.72	-4.06	-0.91
141	3	0.0	-1047.15	9.29	3.25	-1888.85	-48.70	6.37
141	3	18.25	-1041.30	9.29	3.25	-1888.85	-48.93	-1.86
141	3	36.50	-1039.34	-29.44	2.82	-1976.67	1.38	-3.28
141	4	0.0	-1398.79	15.80	3.20	-2363.76	-51.74	3.71
141	4	18.25	-1391.06	15.80	3.20	-2363.76	-52.22	-1.71
141	4	36.50	-1391.05	-33.74	2.56	-2433.98	-4.24	-0.79
141	5	0.0	-1031.98	8.85	0.42	-1860.23	-22.84	10.91
141	5	18.25	-1027.02	8.85	0.42	-1860.23	-23.14	1.58
141	5	36.50	-1023.12	-26.92	-0.14	-1958.30	-18.76	-2.72
141	6	0.0	-1383.63	15.37	0.37	-2335.14	-25.87	8.25
141	6	18.25	-1376.79	15.37	0.37	-2335.14	-26.44	1.74
141	6	36.50	-1374.83	-31.21	-0.41	-2415.61	-24.38	-0.23

141	7	0.0	-1047.72	9.13	0.42	-1882.55	-23.01	10.77
141	7	18.25	-1042.67	9.13	0.42	-1882.55	-23.33	1.57
141	7	36.50	-1038.85	-27.16	-0.15	-1980.55	-18.93	-2.60
141	8	0.0	-1399.36	15.64	0.38	-2357.47	-26.05	8.11
141	8	18.25	-1392.44	15.64	0.38	-2357.47	-26.62	1.72
141	8	36.50	-1390.55	-31.46	-0.41	-2437.86	-24.55	-0.11
141	9	0.0	-1070.75	9.70	3.26	-1922.33	-48.96	6.17
141	9	18.25	-1064.77	9.70	3.26	-1922.33	-49.21	-1.88
141	9	36.50	-1062.93	-29.81	2.81	-2010.05	1.12	-3.09
141	10	0.0	-1422.39	16.21	3.21	-2397.24	-52.00	3.51
141	10	18.25	-1414.54	16.21	3.21	-2397.25	-52.50	-1.72
141	10	36.50	-1414.64	-34.11	2.55	-2467.36	-4.50	-0.61
141	11	0.0	-1086.48	9.98	3.26	-1944.65	-49.14	6.03
141	11	18.25	-1080.43	9.98	3.26	-1944.65	-49.40	-1.89
141	11	36.50	-1078.66	-30.05	2.81	-2032.30	0.94	-2.97
141	12	0.0	-1438.13	16.49	3.22	-2419.57	-52.18	3.37
141	12	18.25	-1430.19	16.49	3.22	-2419.57	-52.69	-1.74
141	12	36.50	-1430.36	-34.35	2.55	-2489.61	-4.68	-0.48
141	13	0.0	-1071.32	9.54	0.43	-1916.03	-23.28	10.57
141	13	18.25	-1066.15	9.54	0.43	-1916.03	-23.61	1.55
141	13	36.50	-1062.44	-27.53	-0.16	-2013.93	-19.20	-2.41
141	14	0.0	-1422.96	16.05	0.39	-2390.95	-26.31	7.91
141	14	18.25	-1415.92	16.05	0.39	-2390.95	-26.91	1.71
141	14	36.50	-1414.14	-31.83	-0.42	-2471.24	-24.82	0.08
141	15	0.0	-1087.05	9.81	0.43	-1938.36	-23.45	10.43
141	15	18.25	-1081.81	9.81	0.43	-1938.36	-23.80	1.54
141	15	36.50	-1078.16	-27.78	-0.16	-2036.19	-19.38	-2.29
141	16	0.0	-1438.70	16.33	0.39	-2413.27	-26.49	7.77
141	16	18.25	-1431.57	16.33	0.39	-2413.27	-27.09	1.70
141	16	36.50	-1429.87	-32.08	-0.43	-2493.50	-25.00	0.20
...								
141	203	36.50	-1004.14	-24.33	0.88	-1790.33	-9.94	-0.80
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1544.32	-107.74	-28.73	-6629.45	-291.49	-73.08
			-312.91	169.48	34.22	1130.60	258.78	78.37

Macro	Tipo	Angolo 1-Z (gradi)
142	**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
142	1	0.0	-1033.06	8.90	0.36	-1875.49	2.39	-2.71
142	1	18.25	-1027.23	8.90	0.36	-1875.49	2.58	-1.25
142	1	36.50	-1025.30	-29.11	0.42	-1962.51	8.21	0.68
142	2	0.0	-1391.94	15.78	0.31	-2363.15	3.55	-2.43
142	2	18.25	-1384.18	15.78	0.31	-2363.15	3.78	-0.97
142	2	36.50	-1384.06	-33.35	0.33	-2432.17	8.33	0.58
142	3	0.0	-1049.30	9.17	0.35	-1898.42	2.44	-2.70
142	3	18.25	-1043.39	9.17	0.35	-1898.42	2.63	-1.24
142	3	36.50	-1041.55	-29.38	0.41	-1985.43	8.18	0.67
142	4	0.0	-1408.18	16.05	0.31	-2386.08	3.60	-2.42
142	4	18.25	-1400.34	16.05	0.31	-2386.08	3.84	-0.96
142	4	36.50	-1400.30	-33.62	0.32	-2455.09	8.31	0.57
142	5	0.0	-1035.37	10.70	-0.91	-1882.43	11.77	-1.59
142	5	18.25	-1030.18	10.70	-0.91	-1882.43	11.75	1.28
142	5	36.50	-1025.21	-25.22	-0.84	-1971.76	-2.47	1.82
142	6	0.0	-1394.26	17.58	-0.95	-2370.09	12.93	-1.30
142	6	18.25	-1387.13	17.58	-0.95	-2370.09	12.95	1.56
142	6	36.50	-1383.97	-29.46	-0.92	-2441.43	-2.35	1.72
142	7	0.0	-1051.62	10.97	-0.91	-1905.36	11.82	-1.57
142	7	18.25	-1046.34	10.97	-0.91	-1905.36	11.80	1.29
142	7	36.50	-1041.45	-25.49	-0.84	-1994.68	-2.50	1.81
142	8	0.0	-1410.50	17.85	-0.96	-2393.02	12.98	-1.29
142	8	18.25	-1403.29	17.85	-0.96	-2393.02	13.01	1.57
142	8	36.50	-1400.21	-29.73	-0.93	-2464.35	-2.37	1.71
142	9	0.0	-1073.66	9.58	0.35	-1932.81	2.51	-2.68
142	9	18.25	-1067.62	9.58	0.35	-1932.81	2.71	-1.22
142	9	36.50	-1065.91	-29.78	0.40	-2019.81	8.15	0.66
142	10	0.0	-1432.55	16.46	0.30	-2420.47	3.67	-2.40
142	10	18.25	-1424.57	16.46	0.30	-2420.47	3.91	-0.94
142	10	36.50	-1424.67	-34.03	0.31	-2489.47	8.27	0.55
142	11	0.0	-1089.90	9.85	0.35	-1955.73	2.56	-2.67
142	11	18.25	-1083.78	9.85	0.35	-1955.73	2.76	-1.21
142	11	36.50	-1082.15	-30.05	0.39	-2042.73	8.12	0.64
142	12	0.0	-1448.79	16.73	0.30	-2443.39	3.73	-2.39
142	12	18.25	-1440.73	16.73	0.30	-2443.39	3.97	-0.93
142	12	36.50	-1440.91	-34.30	0.31	-2512.39	8.25	0.54
142	13	0.0	-1075.98	11.38	-0.92	-1939.74	11.90	-1.55
142	13	18.25	-1070.57	11.38	-0.92	-1939.74	11.88	1.30
142	13	36.50	-1065.82	-25.89	-0.85	-2029.06	-2.53	1.79
142	14	0.0	-1434.86	18.25	-0.96	-2427.40	13.06	-1.27
142	14	18.25	-1427.52	18.25	-0.96	-2427.40	13.08	1.58
142	14	36.50	-1424.57	-30.14	-0.94	-2498.73	-2.41	1.69
142	15	0.0	-1092.22	11.65	-0.92	-1962.67	11.95	-1.54
142	15	18.25	-1086.73	11.65	-0.92	-1962.67	11.93	1.31
142	15	36.50	-1082.06	-26.16	-0.86	-2051.98	-2.56	1.78
142	16	0.0	-1451.11	18.53	-0.96	-2450.33	13.11	-1.26
142	16	18.25	-1443.68	18.53	-0.96	-2450.33	13.14	1.59
142	16	36.50	-1440.82	-30.41	-0.95	-2521.65	-2.43	1.68
...								
142	203	36.50	-1010.32	-23.66	-0.22	-1806.45	2.23	0.89
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1451.88	-39.88	-21.05	-4779.66	-199.17	-60.94

		-671.71	85.19	25.93	-98.14	210.81	45.00

Macro	Tipo	Angolo 1-Z (gradi)
143	**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
143	1	0.0	-1039.80	8.62	0.19	-1893.75	-3.49	0.68
143	1	18.25	-1034.01	8.62	0.19	-1893.75	-3.46	-0.03
143	1	36.50	-1032.20	-29.35	0.19	-1983.51	-0.44	-0.96
143	2	0.0	-1402.22	15.54	0.17	-2387.76	-3.67	0.76
143	2	18.25	-1394.48	15.54	0.17	-2387.76	-3.65	0.08
143	2	36.50	-1394.48	-33.62	0.16	-2459.47	-1.01	-1.02
143	3	0.0	-1056.29	8.89	0.19	-1916.97	-3.50	0.68
143	3	18.25	-1050.41	8.89	0.19	-1916.97	-3.47	-0.03
143	3	36.50	-1048.69	-29.63	0.19	-2006.73	-0.46	-0.96
143	4	0.0	-1418.70	15.82	0.17	-2410.98	-3.68	0.76
143	4	18.25	-1410.88	15.82	0.17	-2410.98	-3.66	0.08
143	4	36.50	-1410.97	-33.89	0.16	-2482.68	-1.04	-1.02
143	5	0.0	-1042.71	10.91	-0.24	-1905.71	0.11	1.05
143	5	18.25	-1037.45	10.91	-0.24	-1905.71	0.08	0.78
143	5	36.50	-1032.49	-25.18	-0.24	-1993.55	-3.65	-0.56
143	6	0.0	-1405.13	17.84	-0.26	-2399.71	-0.08	1.12
143	6	18.25	-1397.92	17.84	-0.26	-2399.71	-0.12	0.89
143	6	36.50	-1394.77	-29.45	-0.27	-2469.51	-4.23	-0.62
143	7	0.0	-1059.20	11.19	-0.24	-1928.92	0.10	1.05
143	7	18.25	-1053.86	11.19	-0.24	-1928.92	0.07	0.79
143	7	36.50	-1048.98	-25.46	-0.24	-2016.77	-3.68	-0.57
143	8	0.0	-1421.62	18.12	-0.26	-2422.93	-0.09	1.13
143	8	18.25	-1414.33	18.12	-0.26	-2422.93	-0.13	0.89
143	8	36.50	-1411.26	-29.72	-0.27	-2492.72	-4.25	-0.62
143	9	0.0	-1081.02	9.30	0.19	-1951.80	-3.51	0.68
143	9	18.25	-1075.01	9.30	0.19	-1951.80	-3.48	-0.02
143	9	36.50	-1073.42	-30.04	0.18	-2041.55	-0.50	-0.97
143	10	0.0	-1443.44	16.23	0.17	-2445.80	-3.70	0.76
143	10	18.25	-1435.48	16.23	0.17	-2445.80	-3.68	0.08
143	10	36.50	-1435.70	-34.31	0.16	-2517.50	-1.07	-1.02
143	11	0.0	-1097.51	9.57	0.19	-1975.01	-3.52	0.68
143	11	18.25	-1091.42	9.57	0.19	-1975.01	-3.49	-0.02
143	11	36.50	-1089.91	-30.32	0.18	-2064.76	-0.52	-0.97
143	12	0.0	-1459.93	16.50	0.17	-2469.02	-3.71	0.76
143	12	18.25	-1451.88	16.50	0.17	-2469.02	-3.69	0.09
143	12	36.50	-1452.19	-34.58	0.15	-2540.72	-1.10	-1.02
143	13	0.0	-1083.93	11.60	-0.24	-1963.75	0.08	1.05
143	13	18.25	-1078.46	11.60	-0.24	-1963.75	0.05	0.79
143	13	36.50	-1073.72	-25.87	-0.24	-2051.58	-3.72	-0.57
143	14	0.0	-1446.35	18.53	-0.26	-2457.75	-0.10	1.13
143	14	18.25	-1438.93	18.53	-0.26	-2457.75	-0.14	0.90
143	14	36.50	-1436.00	-30.14	-0.27	-2527.54	-4.29	-0.62
143	15	0.0	-1100.42	11.87	-0.24	-1986.97	0.07	1.05
143	15	18.25	-1094.86	11.87	-0.24	-1986.97	0.04	0.79
143	15	36.50	-1090.21	-26.14	-0.24	-2074.80	-3.74	-0.57
143	16	0.0	-1462.84	18.80	-0.26	-2480.97	-0.11	1.13
143	16	18.25	-1455.33	18.80	-0.26	-2480.97	-0.15	0.90
143	16	36.50	-1452.49	-30.41	-0.27	-2550.76	-4.31	-0.62
...								
143	203	36.50	-1018.11	-23.76	-0.04	-1826.82	-1.93	-0.62
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1463.81	-35.97	-19.89	-3668.69	-169.83	-47.62
			-793.85	42.08	22.42	-643.02	172.36	40.88

Macro	Tipo	Angolo 1-Z (gradi)
144	**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
144	1	0.0	-1044.53	8.67	-0.31	-1902.78	4.01	-0.48
144	1	18.25	-1038.71	8.67	-0.31	-1902.78	3.98	0.42
144	1	36.50	-1036.94	-29.44	-0.32	-1992.58	-1.08	0.83
144	2	0.0	-1406.95	15.60	-0.29	-2396.78	4.20	-0.55
144	2	18.25	-1399.18	15.60	-0.29	-2396.78	4.18	0.31
144	2	36.50	-1399.22	-33.71	-0.29	-2468.54	-0.51	0.88
144	3	0.0	-1061.02	8.94	-0.31	-1925.99	4.02	-0.48
144	3	18.25	-1055.12	8.94	-0.31	-1926.00	4.00	0.42
144	3	36.50	-1053.43	-29.71	-0.32	-2015.79	-1.05	0.83
144	4	0.0	-1423.44	15.87	-0.29	-2420.00	4.21	-0.55
144	4	18.25	-1415.59	15.87	-0.29	-2420.00	4.19	0.31
144	4	36.50	-1415.71	-33.98	-0.29	-2491.75	-0.48	0.88
144	5	0.0	-1047.44	10.97	0.12	-1914.73	0.42	-0.85
144	5	18.25	-1042.16	10.97	0.12	-1914.73	0.45	-0.39
144	5	36.50	-1037.24	-25.27	0.10	-2002.62	2.14	0.43
144	6	0.0	-1409.86	17.90	0.14	-2408.74	0.61	-0.92
144	6	18.25	-1402.63	17.90	0.14	-2408.74	0.64	-0.50
144	6	36.50	-1399.52	-29.53	0.13	-2478.58	2.71	0.48
144	7	0.0	-1063.93	11.24	0.12	-1937.95	0.43	-0.85
144	7	18.25	-1058.56	11.24	0.12	-1937.95	0.46	-0.40

144	7	36.50	-1053.73	-25.54	0.11	-2025.83	2.16	0.43
144	8	0.0	-1426.35	18.17	0.14	-2431.95	0.62	-0.92
144	8	18.25	-1419.03	18.17	0.14	-2431.95	0.65	-0.50
144	8	36.50	-1416.01	-29.81	0.13	-2501.79	2.74	0.48
144	9	0.0	-1085.75	9.35	-0.31	-1960.82	4.04	-0.48
144	9	18.25	-1079.72	9.35	-0.31	-1960.82	4.01	0.41
144	9	36.50	-1078.17	-30.13	-0.32	-2050.61	-1.02	0.83
144	10	0.0	-1448.17	16.28	-0.29	-2454.83	4.23	-0.56
144	10	18.25	-1440.19	16.28	-0.29	-2454.83	4.20	0.31
144	10	36.50	-1440.45	-34.39	-0.29	-2526.57	-0.44	0.88
144	11	0.0	-1102.24	9.62	-0.31	-1984.04	4.05	-0.48
144	11	18.25	-1096.12	9.62	-0.31	-1984.04	4.02	0.41
144	11	36.50	-1094.66	-30.40	-0.32	-2073.82	-0.99	0.83
144	12	0.0	-1464.66	16.55	-0.29	-2478.04	4.24	-0.56
144	12	18.25	-1456.59	16.55	-0.29	-2478.04	4.21	0.30
144	12	36.50	-1456.94	-34.67	-0.29	-2549.78	-0.42	0.89
144	13	0.0	-1088.67	11.65	0.12	-1972.77	0.44	-0.85
144	13	18.25	-1083.16	11.65	0.12	-1972.77	0.47	-0.40
144	13	36.50	-1078.47	-25.96	0.11	-2060.65	2.20	0.43
144	14	0.0	-1451.08	18.58	0.14	-2466.78	0.63	-0.93
144	14	18.25	-1443.63	18.58	0.14	-2466.78	0.67	-0.51
144	14	36.50	-1440.75	-30.22	0.14	-2536.61	2.77	0.49
144	15	0.0	-1105.15	11.92	0.12	-1995.99	0.45	-0.85
144	15	18.25	-1099.57	11.92	0.12	-1995.99	0.48	-0.40
144	15	36.50	-1094.96	-26.23	0.11	-2083.86	2.22	0.43
144	16	0.0	-1467.57	18.85	0.14	-2489.99	0.64	-0.93
144	16	18.25	-1460.04	18.85	0.14	-2489.99	0.68	-0.51
144	16	36.50	-1457.24	-30.50	0.14	-2559.82	2.80	0.49
...								
144	203	36.50	-1021.76	-23.83	-0.07	-1833.79	0.76	0.51
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1468.54	-36.06	-22.57	-3702.32	-173.95	-40.60
			-797.46	42.87	19.83	-647.83	170.62	48.05

Macro	Tipo	Angolo 1-Z (gradi)
145	**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
145	1	0.0	-1046.07	9.01	-0.45	-1900.98	-1.98	2.88
145	1	18.25	-1040.17	9.01	-0.45	-1900.98	-2.18	1.55
145	1	36.50	-1038.38	-29.38	-0.51	-1988.22	-9.28	-0.79
145	2	0.0	-1404.96	15.89	-0.40	-2388.64	-3.15	2.59
145	2	18.25	-1397.12	15.89	-0.40	-2388.64	-3.38	1.27
145	2	36.50	-1397.14	-33.62	-0.42	-2457.89	-9.41	-0.68
145	3	0.0	-1062.31	9.28	-0.44	-1923.91	-2.04	2.86
145	3	18.25	-1056.33	9.28	-0.44	-1923.91	-2.23	1.54
145	3	36.50	-1054.63	-29.65	-0.50	-2011.14	-9.26	-0.77
145	4	0.0	-1421.20	16.16	-0.40	-2411.57	-3.20	2.58
145	4	18.25	-1413.28	16.16	-0.40	-2411.57	-3.43	1.26
145	4	36.50	-1413.38	-33.89	-0.41	-2480.81	-9.38	-0.67
145	5	0.0	-1048.39	10.81	0.82	-1907.92	-11.37	1.75
145	5	18.25	-1043.12	10.81	0.82	-1907.92	-11.35	-0.97
145	5	36.50	-1038.29	-25.49	0.75	-1997.48	1.40	-1.92
145	6	0.0	-1407.27	17.69	0.86	-2395.58	-12.53	1.47
145	6	18.25	-1400.07	17.69	0.86	-2395.58	-12.55	-1.25
145	6	36.50	-1397.05	-29.73	0.83	-2467.15	1.27	-1.82
145	7	0.0	-1064.63	11.08	0.82	-1930.84	-11.42	1.74
145	7	18.25	-1059.28	11.08	0.82	-1930.85	-11.40	-0.98
145	7	36.50	-1054.53	-25.76	0.75	-2020.40	1.42	-1.91
145	8	0.0	-1423.52	17.96	0.87	-2418.50	-12.58	1.45
145	8	18.25	-1416.23	17.96	0.87	-2418.50	-12.60	-1.26
145	8	36.50	-1413.29	-30.00	0.84	-2490.07	1.30	-1.81
145	9	0.0	-1086.68	9.69	-0.44	-1958.29	-2.11	2.85
145	9	18.25	-1080.56	9.69	-0.44	-1958.29	-2.31	1.52
145	9	36.50	-1078.99	-30.05	-0.49	-2045.52	-9.22	-0.76
145	10	0.0	-1445.56	16.57	-0.39	-2445.95	-3.27	2.56
145	10	18.25	-1437.51	16.57	-0.39	-2445.95	-3.51	1.24
145	10	36.50	-1437.75	-34.30	-0.41	-2515.19	-9.35	-0.66
145	11	0.0	-1102.92	9.96	-0.44	-1981.22	-2.16	2.83
145	11	18.25	-1096.72	9.96	-0.44	-1981.22	-2.36	1.51
145	11	36.50	-1095.23	-30.32	-0.49	-2068.44	-9.20	-0.75
145	12	0.0	-1461.80	16.84	-0.39	-2468.88	-3.32	2.55
145	12	18.25	-1453.67	16.84	-0.39	-2468.88	-3.56	1.23
145	12	36.50	-1453.99	-34.57	-0.40	-2538.11	-9.32	-0.65
145	13	0.0	-1089.00	11.49	0.83	-1965.23	-11.50	1.72
145	13	18.25	-1083.52	11.49	0.83	-1965.23	-11.48	-1.00
145	13	36.50	-1078.90	-26.16	0.76	-2054.78	1.46	-1.90
145	14	0.0	-1447.88	18.36	0.87	-2452.89	-12.66	1.43
145	14	18.25	-1440.46	18.36	0.87	-2452.89	-12.68	-1.28
145	14	36.50	-1437.65	-30.41	0.85	-2524.45	1.33	-1.80
145	15	0.0	-1105.24	11.76	0.83	-1988.16	-11.55	1.71
145	15	18.25	-1099.67	11.76	0.83	-1988.16	-11.53	-1.01
145	15	36.50	-1095.14	-26.43	0.77	-2077.70	1.48	-1.89
145	16	0.0	-1464.12	18.63	0.87	-2475.82	-12.71	1.42
145	16	18.25	-1456.62	18.63	0.87	-2475.82	-12.73	-1.29
145	16	36.50	-1453.90	-30.68	0.86	-2547.37	1.36	-1.79
...								
145	203	36.50	-1020.38	-23.87	0.15	-1826.24	-3.05	-0.97
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1464.89	-40.17	-26.05	-4848.66	-212.01	-44.89
			-679.33	86.51	20.97	-107.15	199.85	61.30

Macro	Tipo	Angolo 1-Z (gradi)
146	**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
146	1	0.0	-1047.48	9.17	-3.29	-1901.17	48.97	-6.34
146	1	18.25	-1041.62	9.17	-3.29	-1901.17	49.19	2.03
146	1	36.50	-1039.74	-29.49	-2.86	-1989.25	-1.82	3.32
146	2	0.0	-1399.13	15.68	-3.25	-2376.09	52.00	-3.68
146	2	18.25	-1391.38	15.68	-3.25	-2376.09	52.49	1.87
146	2	36.50	-1391.45	-33.79	-2.60	-2446.56	3.81	0.83
146	3	0.0	-1063.22	9.44	-3.30	-1923.49	49.14	-6.21
146	3	18.25	-1057.27	9.44	-3.30	-1923.49	49.38	2.04
146	3	36.50	-1055.47	-29.73	-2.86	-2011.51	-1.64	3.20
146	4	0.0	-1414.86	15.96	-3.26	-2398.41	52.18	-3.55
146	4	18.25	-1407.03	15.96	-3.26	-2398.41	52.68	1.89
146	4	36.50	-1407.17	-34.03	-2.59	-2468.82	3.98	0.71
146	5	0.0	-1048.05	9.01	-0.47	-1894.88	23.28	-10.74
146	5	18.25	-1043.00	9.01	-0.47	-1894.88	23.59	-1.40
146	5	36.50	-1039.25	-27.21	0.11	-1993.14	18.50	2.64
146	6	0.0	-1399.70	15.52	-0.42	-2369.79	26.32	-8.08
146	6	18.25	-1392.76	15.52	-0.42	-2369.79	26.89	-1.56
146	6	36.50	-1390.96	-31.51	0.37	-2450.45	24.12	0.15
146	7	0.0	-1063.79	9.28	-0.47	-1917.20	23.45	-10.61
146	7	18.25	-1058.65	9.28	-0.47	-1917.20	23.78	-1.39
146	7	36.50	-1054.97	-27.46	0.11	-2015.39	18.68	2.52
146	8	0.0	-1415.43	15.79	-0.43	-2392.12	26.49	-7.95
146	8	18.25	-1408.41	15.79	-0.43	-2392.12	27.08	-1.54
146	8	36.50	-1406.68	-31.76	0.38	-2472.70	24.30	0.03
146	9	0.0	-1086.82	9.86	-3.31	-1956.98	49.41	-6.00
146	9	18.25	-1080.75	9.86	-3.31	-1956.98	49.66	2.06
146	9	36.50	-1079.06	-30.10	-2.85	-2044.89	-1.37	3.01
146	10	0.0	-1438.46	16.37	-3.26	-2431.89	52.44	-3.34
146	10	18.25	-1430.51	16.37	-3.26	-2431.89	52.96	1.90
146	10	36.50	-1430.76	-34.40	-2.59	-2502.20	4.25	0.53
146	11	0.0	-1102.55	10.13	-3.31	-1979.30	49.58	-5.87
146	11	18.25	-1096.40	10.13	-3.31	-1979.30	49.85	2.07
146	11	36.50	-1094.78	-30.35	-2.85	-2067.14	-1.20	2.89
146	12	0.0	-1454.20	16.64	-3.27	-2454.22	52.62	-3.21
146	12	18.25	-1446.17	16.64	-3.27	-2454.22	53.15	1.91
146	12	36.50	-1446.49	-34.65	-2.58	-2524.45	4.43	0.40
146	13	0.0	-1087.39	9.69	-0.48	-1950.68	23.72	-10.40
146	13	18.25	-1082.13	9.69	-0.48	-1950.68	24.06	-1.37
146	13	36.50	-1078.56	-27.83	0.12	-2048.77	18.95	2.33
146	14	0.0	-1439.03	16.21	-0.44	-2425.60	26.76	-7.74
146	14	18.25	-1431.89	16.21	-0.44	-2425.60	27.36	-1.53
146	14	36.50	-1430.27	-32.13	0.39	-2506.08	24.57	-0.15
146	15	0.0	-1103.12	9.97	-0.49	-1973.01	23.89	-10.27
146	15	18.25	-1097.78	9.97	-0.49	-1973.01	24.25	-1.36
146	15	36.50	-1094.29	-28.08	0.13	-2071.03	19.12	2.21
146	16	0.0	-1454.77	16.48	-0.44	-2447.92	26.93	-7.61
146	16	18.25	-1447.54	16.48	-0.44	-2447.92	27.55	-1.52
146	16	36.50	-1446.00	-32.38	0.39	-2528.34	24.74	-0.28
...								
146	203	36.50	-1016.54	-24.56	-0.91	-1817.13	9.75	0.74
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1560.37	-108.29	-34.30	-6730.24	-259.35	-78.64
			-320.54	171.61	28.75	1124.89	292.22	73.97

Macro	Tipo	Angolo 1-Z (gradi)
147	**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
147	1	0.0	-708.27	51.83	5.67	-3933.92	-99.37	106.80
147	1	18.25	-720.95	51.83	5.67	-3933.92	-96.09	-8.64
147	1	36.50	-678.00	-11.62	7.91	-3517.60	27.05	-45.44
147	2	0.0	-923.68	67.69	4.90	-5113.42	-91.42	112.74
147	2	18.25	-940.21	67.69	4.90	-5113.42	-87.45	-8.81
147	2	36.50	-889.04	-18.13	8.92	-4585.28	37.18	-50.74
147	3	0.0	-718.76	52.57	5.62	-3991.43	-98.97	107.11
147	3	18.25	-731.62	52.57	5.62	-3991.43	-95.66	-8.62
147	3	36.50	-688.30	-11.96	7.95	-3569.98	27.37	-45.71
147	4	0.0	-934.17	68.43	4.86	-5170.93	-91.02	113.05
147	4	18.25	-950.88	68.43	4.86	-5170.93	-87.02	-8.79
147	4	36.50	-899.34	-18.47	8.96	-4637.65	37.50	-51.01
147	5	0.0	-703.15	50.96	6.49	-3938.01	-99.86	139.19
147	5	18.25	-714.33	50.96	6.49	-3938.01	-95.01	-8.23
147	5	36.50	-678.67	-17.25	9.36	-3491.84	46.42	-50.30
147	6	0.0	-918.56	66.82	5.72	-5117.51	-91.92	145.13
147	6	18.25	-933.59	66.82	5.72	-5117.51	-86.37	-8.40
147	6	36.50	-889.71	-23.75	10.36	-4559.51	56.55	-55.61
147	7	0.0	-713.63	51.70	6.44	-3995.52	-99.46	139.49
147	7	18.25	-725.00	51.70	6.44	-3995.52	-94.58	-8.21
147	7	36.50	-688.96	-17.59	9.39	-3544.21	46.74	-50.57
147	8	0.0	-929.04	67.56	5.68	-5175.02	-91.52	145.44
147	8	18.25	-944.26	67.56	5.68	-5175.02	-85.94	-8.38
147	8	36.50	-900.00	-24.09	10.40	-4611.89	56.87	-55.88

147	9	0.0	-734.48	53.68	5.55	-4077.70	-98.37	107.57
147	9	18.25	-747.62	53.68	5.55	-4077.70	-95.01	-8.59
147	9	36.50	-703.74	-12.47	8.00	-3648.53	27.85	-46.11
147	10	0.0	-949.89	69.54	4.79	-5257.20	-90.42	113.51
147	10	18.25	-966.88	69.54	4.79	-5257.20	-86.37	-8.76
147	10	36.50	-914.78	-18.98	9.01	-4716.21	37.98	-51.41
147	11	0.0	-744.97	54.42	5.51	-4135.21	-97.97	107.88
147	11	18.25	-758.29	54.42	5.51	-4135.21	-94.58	-8.57
147	11	36.50	-714.03	-12.81	8.04	-3700.91	28.17	-46.38
147	12	0.0	-960.38	70.28	4.74	-5314.71	-90.02	113.82
147	12	18.25	-977.55	70.28	4.74	-5314.71	-85.94	-8.74
147	12	36.50	-925.08	-19.32	9.04	-4768.58	38.30	-51.68
147	13	0.0	-729.36	52.81	6.37	-4081.79	-98.86	139.96
147	13	18.25	-741.01	52.81	6.37	-4081.79	-93.93	-8.18
147	13	36.50	-704.40	-18.10	9.44	-3622.77	47.22	-50.97
147	14	0.0	-944.77	68.67	5.61	-5261.28	-90.92	145.90
147	14	18.25	-960.26	68.67	5.61	-5261.29	-85.29	-8.35
147	14	36.50	-915.45	-24.60	10.45	-4690.44	57.35	-56.28
147	15	0.0	-739.84	53.55	6.32	-4139.30	-98.46	140.26
147	15	18.25	-751.68	53.55	6.32	-4139.30	-93.50	-8.16
147	15	36.50	-714.70	-18.44	9.48	-3675.14	47.54	-51.24
147	16	0.0	-955.25	69.41	5.56	-5318.80	-90.52	146.20
147	16	18.25	-970.93	69.41	5.56	-5318.80	-84.86	-8.33
147	16	36.50	-925.74	-24.94	10.49	-4742.82	57.67	-56.55
...								
147	203	36.50	-653.57	-15.21	7.25	-3363.13	34.26	-40.15
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1607.25	-123.24	-11.34	-1.057e+04	-252.55	-112.32
			100.98	245.40	35.23	335.52	223.98	186.07

Macro	Tipo	Angolo 1-Z (gradi)
150	**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
150	1	38.50	-230.45	-28.70	-5.46	283.11	-11.91	76.39
150	1	56.75	-238.20	-28.70	-5.46	283.11	-11.26	7.49
150	1	75.00	-216.69	31.10	5.53	204.05	-11.89	-61.53
150	2	38.50	-320.49	-38.68	-11.25	540.28	22.47	86.35
150	2	56.75	-331.18	-38.68	-11.25	540.28	23.23	15.39
150	2	75.00	-307.09	40.61	7.63	408.55	-14.77	-80.30
150	3	38.50	-235.42	-29.22	-5.65	293.26	-11.78	77.82
150	3	56.75	-243.31	-29.22	-5.65	293.26	-11.11	7.78
150	3	75.00	-221.67	31.63	5.71	214.13	-11.85	-62.91
150	4	38.50	-325.47	-39.21	-11.43	550.43	22.60	87.78
150	4	56.75	-336.29	-39.21	-11.43	550.43	23.39	15.68
150	4	75.00	-312.07	41.14	7.81	418.63	-14.73	-81.68
150	5	38.50	-225.63	-27.94	-5.39	244.43	-13.39	75.96
150	5	56.75	-233.38	-27.94	-5.39	244.43	-12.76	7.90
150	5	75.00	-213.19	31.89	5.56	181.22	-12.56	-61.03
150	6	38.50	-315.68	-37.92	-11.18	501.60	21.00	85.92
150	6	56.75	-326.36	-37.92	-11.18	501.60	21.73	15.81
150	6	75.00	-303.59	41.40	7.66	385.72	-15.45	-79.80
150	7	38.50	-230.60	-28.46	-5.58	254.58	-13.26	77.39
150	7	56.75	-238.49	-28.46	-5.58	254.58	-12.61	8.19
150	7	75.00	-218.17	32.42	5.74	191.30	-12.52	-62.41
150	8	38.50	-320.65	-38.44	-11.36	511.75	21.13	87.35
150	8	56.75	-331.47	-38.44	-11.36	511.75	21.88	16.10
150	8	75.00	-308.58	41.93	7.84	395.80	-15.40	-81.18
150	9	38.50	-242.88	-30.01	-5.93	308.48	-11.59	79.97
150	9	56.75	-250.97	-30.01	-5.93	308.48	-10.88	8.22
150	9	75.00	-229.14	32.42	5.98	229.26	-11.78	-64.98
150	10	38.50	-332.92	-39.99	-11.72	565.65	22.80	89.93
150	10	56.75	-343.95	-39.99	-11.72	565.65	23.62	16.12
150	10	75.00	-319.55	41.93	8.08	433.76	-14.66	-83.75
150	11	38.50	-247.85	-30.53	-6.12	318.62	-11.46	81.40
150	11	56.75	-256.09	-30.53	-6.12	318.62	-10.72	8.51
150	11	75.00	-234.12	32.95	6.16	239.34	-11.74	-66.36
150	12	38.50	-337.89	-40.51	-11.90	575.79	22.93	91.36
150	12	56.75	-349.07	-40.51	-11.90	575.79	23.77	16.41
150	12	75.00	-324.53	42.46	8.26	443.84	-14.62	-85.13
150	13	38.50	-238.06	-29.24	-5.86	269.80	-13.06	79.54
150	13	56.75	-246.15	-29.24	-5.86	269.80	-12.38	8.63
150	13	75.00	-225.64	33.21	6.01	206.43	-12.46	-64.47
150	14	38.50	-328.10	-39.22	-11.65	526.97	21.32	89.50
150	14	56.75	-339.13	-39.22	-11.65	526.97	22.11	16.54
150	14	75.00	-316.05	42.72	8.11	410.93	-15.34	-83.24
150	15	38.50	-243.03	-29.76	-6.05	279.94	-12.93	80.97
150	15	56.75	-251.27	-29.76	-6.05	279.94	-12.23	8.92
150	15	75.00	-230.62	33.74	6.19	216.51	-12.41	-65.85
150	16	38.50	-333.07	-39.74	-11.83	537.11	21.45	90.93
150	16	56.75	-344.24	-39.74	-11.83	537.11	22.27	16.83
150	16	75.00	-321.03	43.25	8.29	421.01	-15.29	-84.62
...								
150	203	75.00	-222.85	30.28	5.72	276.07	-10.86	-59.72
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-671.08	-136.79	-34.51	-1270.47	-99.52	-272.78
			-14.33	167.38	17.09	3402.04	203.53	451.54

Macro	Tipo	Angolo 1-Z (gradi)
151	**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
151	1	38.50	-575.23	1.46	-0.20	-1923.83	-18.30	19.74
151	1	56.75	-573.57	1.46	-0.20	-1923.83	-17.78	3.35
151	1	75.00	-539.19	21.71	0.97	-1825.71	-11.09	-17.14
151	2	38.50	-797.47	-6.13	-0.58	-2439.99	-25.91	30.39
151	2	56.75	-795.53	-6.13	-0.58	-2439.99	-25.12	6.95
151	2	75.00	-761.13	20.67	1.27	-2399.51	-19.97	-26.23
151	3	38.50	-586.82	1.29	-0.24	-1952.58	-18.47	20.10
151	3	56.75	-585.13	1.29	-0.24	-1952.58	-17.95	3.48
151	3	75.00	-550.77	21.90	0.99	-1854.57	-11.45	-17.48
151	4	38.50	-809.06	-6.30	-0.61	-2468.74	-26.08	30.74
151	4	56.75	-807.09	-6.30	-0.61	-2468.74	-25.28	7.08
151	4	75.00	-772.71	20.86	1.28	-2428.37	-20.33	-26.57
151	5	38.50	-576.62	0.65	-0.38	-1908.12	-17.77	19.56
151	5	56.75	-575.00	0.65	-0.38	-1908.12	-17.28	3.77
151	5	75.00	-539.92	21.05	1.09	-1820.31	-11.29	-17.43
151	6	38.50	-798.86	-6.94	-0.75	-2424.28	-25.38	30.20
151	6	56.75	-796.95	-6.94	-0.75	-2424.28	-24.62	7.37
151	6	75.00	-761.86	20.01	1.39	-2394.11	-20.17	-26.52
151	7	38.50	-588.20	0.48	-0.41	-1936.87	-17.94	19.91
151	7	56.75	-586.56	0.48	-0.41	-1936.87	-17.44	3.90
151	7	75.00	-551.49	21.24	1.10	-1849.16	-11.65	-17.78
151	8	38.50	-810.44	-7.11	-0.78	-2453.03	-25.55	30.56
151	8	56.75	-808.51	-7.11	-0.78	-2453.03	-24.78	7.51
151	8	75.00	-773.44	20.20	1.40	-2422.96	-20.53	-26.86
151	9	38.50	-604.19	1.02	-0.28	-1995.70	-18.73	20.64
151	9	56.75	-602.47	1.02	-0.28	-1995.70	-18.19	3.69
151	9	75.00	-568.13	22.18	1.01	-1897.85	-11.99	-18.00
151	10	38.50	-826.43	-6.57	-0.66	-2511.86	-26.34	31.28
151	10	56.75	-824.43	-6.57	-0.66	-2511.86	-25.52	7.29
151	10	75.00	-790.07	21.14	1.30	-2471.65	-20.87	-27.08
151	11	38.50	-615.78	0.85	-0.31	-2024.45	-18.90	21.00
151	11	56.75	-614.03	0.85	-0.31	-2024.45	-18.35	3.83
151	11	75.00	-579.70	22.37	1.02	-1926.70	-12.34	-18.34
151	12	38.50	-838.02	-6.74	-0.69	-2540.61	-26.51	31.64
151	12	56.75	-835.99	-6.74	-0.69	-2540.61	-25.69	7.43
151	12	75.00	-801.65	21.33	1.32	-2500.51	-21.22	-27.43
151	13	38.50	-605.58	0.21	-0.46	-1979.99	-18.20	20.45
151	13	56.75	-603.90	0.21	-0.46	-1979.99	-17.68	4.11
151	13	75.00	-568.86	21.53	1.12	-1892.44	-12.19	-18.29
151	14	38.50	-827.82	-7.38	-0.83	-2496.15	-25.81	31.09
151	14	56.75	-825.85	-7.38	-0.83	-2496.15	-25.02	7.71
151	14	75.00	-790.80	20.48	1.42	-2466.24	-21.07	-27.38
151	15	38.50	-617.17	0.04	-0.49	-2008.74	-18.37	20.81
151	15	56.75	-615.46	0.04	-0.49	-2008.74	-17.84	4.25
151	15	75.00	-580.43	21.71	1.14	-1921.30	-12.54	-18.64
151	16	38.50	-839.41	-7.55	-0.86	-2524.90	-25.98	31.45
151	16	56.75	-837.41	-7.55	-0.86	-2524.90	-25.18	7.85
151	16	75.00	-802.37	20.67	1.44	-2495.10	-21.42	-27.72
...								
151	203	75.00	-555.02	16.25	0.98	-1762.20	-14.01	-18.78
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-839.87	-99.80	-30.74	-3894.60	-294.58	-224.37
			-295.39	93.92	25.96	1061.98	258.30	228.99

Macro	Tipo	Angolo 1-Z (gradi)
152	**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
152	1	38.50	-574.78	3.94	-0.10	-1959.58	4.07	-3.71
152	1	56.75	-572.97	3.94	-0.10	-1959.58	3.87	0.62
152	1	75.00	-540.72	25.19	0.04	-1851.71	2.91	2.77
152	2	38.50	-803.02	-2.76	-0.29	-2494.04	6.12	-4.75
152	2	56.75	-800.81	-2.76	-0.29	-2494.04	5.86	1.29
152	2	75.00	-768.84	25.94	0.17	-2440.06	3.96	3.99
152	3	38.50	-586.80	3.72	-0.11	-1989.28	4.19	-3.72
152	3	56.75	-584.97	3.72	-0.11	-1989.28	3.99	0.68
152	3	75.00	-552.75	25.38	0.05	-1881.43	2.87	2.78
152	4	38.50	-815.04	-2.98	-0.31	-2523.75	6.24	-4.76
152	4	56.75	-812.81	-2.98	-0.31	-2523.75	5.97	1.34
152	4	75.00	-780.86	26.13	0.17	-2469.79	3.92	4.01
152	5	38.50	-575.54	3.22	-0.14	-1945.76	4.62	-3.72
152	5	56.75	-573.78	3.22	-0.14	-1945.76	4.41	1.15
152	5	75.00	-541.48	24.61	-8.61e-03	-1842.57	2.37	2.77
152	6	38.50	-803.78	-3.48	-0.34	-2480.22	6.67	-4.76
152	6	56.75	-801.62	-3.48	-0.34	-2480.22	6.39	1.82
152	6	75.00	-769.60	25.36	0.12	-2430.92	3.41	4.00
152	7	38.50	-587.57	3.01	-0.16	-1975.46	4.73	-3.72
152	7	56.75	-585.77	3.01	-0.16	-1975.46	4.52	1.20
152	7	75.00	-553.51	24.80	-5.59e-03	-1872.29	2.33	2.79
152	8	38.50	-815.81	-3.70	-0.36	-2509.93	6.79	-4.77
152	8	56.75	-813.61	-3.70	-0.36	-2509.93	6.51	1.87
152	8	75.00	-781.63	25.55	0.12	-2460.64	3.37	4.02
152	9	38.50	-604.84	3.40	-0.14	-2033.84	4.36	-3.72
152	9	56.75	-602.96	3.40	-0.14	-2033.84	4.16	0.76

152	9	75.00	-570.79	25.66	0.05	-1926.02	2.82	2.81
152	10	38.50	-833.08	-3.31	-0.34	-2568.31	6.41	-4.77
152	10	56.75	-830.80	-3.31	-0.34	-2568.31	6.14	1.43
152	10	75.00	-798.90	26.41	0.18	-2514.37	3.86	4.04
152	11	38.50	-616.87	3.18	-0.16	-2063.55	4.47	-3.73
152	11	56.75	-614.96	3.18	-0.16	-2063.55	4.27	0.81
152	11	75.00	-582.81	25.85	0.05	-1955.74	2.78	2.83
152	12	38.50	-845.11	-3.53	-0.35	-2598.01	6.53	-4.77
152	12	56.75	-842.80	-3.53	-0.35	-2598.01	6.25	1.48
152	12	75.00	-810.93	26.60	0.18	-2544.09	3.82	4.05
152	13	38.50	-605.61	2.68	-0.19	-2020.02	4.91	-3.73
152	13	56.75	-603.77	2.68	-0.19	-2020.02	4.69	1.28
152	13	75.00	-571.55	25.08	-1.06e-03	-1916.87	2.27	2.82
152	14	38.50	-833.85	-4.03	-0.38	-2554.49	6.96	-4.77
152	14	56.75	-831.61	-4.03	-0.38	-2554.49	6.68	1.95
152	14	75.00	-799.67	25.83	0.13	-2505.22	3.31	4.04
152	15	38.50	-617.63	2.46	-0.20	-2049.73	5.02	-3.73
152	15	56.75	-615.76	2.46	-0.20	-2049.73	4.81	1.34
152	15	75.00	-583.58	25.26	1.95e-03	-1946.59	2.23	2.84
152	16	38.50	-845.87	-4.25	-0.40	-2584.20	7.07	-4.78
152	16	56.75	-843.60	-4.25	-0.40	-2584.20	6.79	2.01
152	16	75.00	-811.69	26.01	0.13	-2534.94	3.27	4.06
...								
152	203	75.00	-560.34	19.90	0.09	-1790.14	2.51	2.82
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-846.13	-35.88	-27.51	-3474.55	-234.69	-199.10
			-342.50	49.86	24.27	97.71	236.42	175.24

Macro	Tipo	Angolo 1-Z (gradi)
153	**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
153	1	38.50	-575.67	4.31	-0.02	-1983.06	-0.32	1.13
153	1	56.75	-573.93	4.31	-0.02	-1983.06	-0.31	1.46
153	1	75.00	-541.75	25.39	-0.12	-1872.36	-2.02	-1.17
153	2	38.50	-805.78	-2.10	-0.03	-2524.19	-0.68	1.64
153	2	56.75	-803.67	-2.10	-0.03	-2524.19	-0.66	1.85
153	2	75.00	-771.81	26.37	-0.12	-2466.20	-2.57	-1.63
153	3	38.50	-587.89	4.10	-0.02	-2013.12	-0.31	1.15
153	3	56.75	-586.13	4.10	-0.02	-2013.12	-0.30	1.48
153	3	75.00	-553.97	25.59	-0.12	-1902.44	-2.06	-1.18
153	4	38.50	-818.01	-2.31	-0.03	-2554.25	-0.67	1.66
153	4	56.75	-815.86	-2.31	-0.03	-2554.25	-0.65	1.87
153	4	75.00	-784.03	26.57	-0.12	-2496.28	-2.61	-1.65
153	5	38.50	-575.89	3.92	-0.03	-1972.99	-0.09	1.15
153	5	56.75	-574.20	3.92	-0.03	-1972.99	-0.09	1.66
153	5	75.00	-542.20	25.11	-0.15	-1864.25	-2.24	-1.11
153	6	38.50	-806.01	-2.49	-0.04	-2514.13	-0.45	1.65
153	6	56.75	-803.93	-2.49	-0.04	-2514.13	-0.43	2.06
153	6	75.00	-772.26	26.08	-0.15	-2458.09	-2.79	-1.57
153	7	38.50	-588.12	3.71	-0.03	-2003.05	-0.09	1.17
153	7	56.75	-586.39	3.71	-0.03	-2003.05	-0.08	1.69
153	7	75.00	-554.42	25.30	-0.15	-1894.34	-2.28	-1.13
153	8	38.50	-818.23	-2.70	-0.04	-2544.18	-0.44	1.68
153	8	56.75	-816.12	-2.70	-0.04	-2544.18	-0.43	2.08
153	8	75.00	-784.48	26.28	-0.15	-2488.18	-2.83	-1.59
153	9	38.50	-606.23	3.78	-0.03	-2058.20	-0.30	1.19
153	9	56.75	-604.42	3.78	-0.03	-2058.20	-0.29	1.51
153	9	75.00	-572.30	25.88	-0.12	-1947.58	-2.11	-1.21
153	10	38.50	-836.34	-2.62	-0.03	-2599.34	-0.66	1.70
153	10	56.75	-834.15	-2.62	-0.03	-2599.34	-0.64	1.91
153	10	75.00	-802.36	26.86	-0.12	-2541.42	-2.66	-1.67
153	11	38.50	-618.45	3.57	-0.03	-2088.26	-0.30	1.21
153	11	56.75	-616.61	3.57	-0.03	-2088.26	-0.29	1.54
153	11	75.00	-584.52	26.08	-0.12	-1977.67	-2.15	-1.22
153	12	38.50	-848.57	-2.83	-0.04	-2629.40	-0.65	1.72
153	12	56.75	-846.34	-2.83	-0.04	-2629.40	-0.63	1.93
153	12	75.00	-814.58	27.06	-0.12	-2571.50	-2.70	-1.68
153	13	38.50	-606.45	3.39	-0.04	-2048.14	-0.08	1.21
153	13	56.75	-604.68	3.39	-0.04	-2048.14	-0.07	1.72
153	13	75.00	-572.75	25.60	-0.15	-1939.47	-2.33	-1.15
153	14	38.50	-836.57	-3.01	-0.05	-2589.27	-0.44	1.71
153	14	56.75	-834.41	-3.01	-0.05	-2589.27	-0.42	2.11
153	14	75.00	-802.81	26.57	-0.15	-2533.31	-2.88	-1.61
153	15	38.50	-618.68	3.18	-0.04	-2078.20	-0.07	1.23
153	15	56.75	-616.87	3.18	-0.04	-2078.20	-0.06	1.74
153	15	75.00	-584.97	25.79	-0.15	-1969.56	-2.37	-1.16
153	16	38.50	-848.79	-3.22	-0.05	-2619.33	-0.43	1.74
153	16	56.75	-846.61	-3.22	-0.05	-2619.33	-0.41	2.14
153	16	75.00	-815.03	26.77	-0.15	-2563.40	-2.92	-1.63
...								
153	203	75.00	-562.41	20.31	-0.10	-1810.04	-2.00	-1.15
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-848.86	-11.09	-26.06	-3464.91	-232.32	-184.69
			-353.99	41.48	26.08	-449.11	230.19	171.46

Macro	Tipo	Angolo 1-Z (gradi)
154	**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
154	1	38.50	-578.23	4.19	-0.21	-1994.91	2.16	-0.54
154	1	56.75	-576.50	4.19	-0.21	-1994.91	2.14	0.59
154	1	75.00	-544.29	25.37	-0.06	-1884.53	-0.56	0.88
154	2	38.50	-808.35	-2.21	-0.20	-2536.04	2.52	-1.05
154	2	56.75	-806.23	-2.21	-0.20	-2536.04	2.49	0.20
154	2	75.00	-774.35	26.34	-0.06	-2478.37	-0.01	1.35
154	3	38.50	-590.46	3.98	-0.20	-2024.97	2.15	-0.56
154	3	56.75	-588.69	3.98	-0.20	-2024.97	2.14	0.57
154	3	75.00	-556.51	25.56	-0.06	-1914.62	-0.53	0.90
154	4	38.50	-820.57	-2.42	-0.19	-2566.10	2.51	-1.07
154	4	56.75	-818.42	-2.42	-0.19	-2566.10	2.48	0.18
154	4	75.00	-786.57	26.54	-0.06	-2508.46	0.02	1.36
154	5	38.50	-578.46	3.80	-0.19	-1984.84	1.93	-0.56
154	5	56.75	-576.76	3.80	-0.19	-1984.84	1.92	0.39
154	5	75.00	-544.73	25.08	-0.03	-1876.43	-0.34	0.82
154	6	38.50	-808.57	-2.60	-0.19	-2525.98	2.29	-1.07
154	6	56.75	-806.49	-2.60	-0.19	-2525.98	2.27	-7.79e-03
154	6	75.00	-774.79	26.06	-0.03	-2470.27	0.21	1.29
154	7	38.50	-590.68	3.59	-0.19	-2014.90	1.93	-0.58
154	7	56.75	-588.95	3.59	-0.19	-2014.90	1.91	0.36
154	7	75.00	-556.95	25.28	-0.03	-1906.52	-0.30	0.84
154	8	38.50	-820.80	-2.81	-0.18	-2556.04	2.29	-1.09
154	8	56.75	-818.69	-2.81	-0.18	-2556.04	2.26	-0.03
154	8	75.00	-787.01	26.25	-0.03	-2500.36	0.25	1.30
154	9	38.50	-608.79	3.67	-0.20	-2070.06	2.14	-0.60
154	9	56.75	-606.98	3.67	-0.20	-2070.06	2.13	0.53
154	9	75.00	-574.83	25.86	-0.06	-1959.75	-0.47	0.92
154	10	38.50	-838.91	-2.74	-0.19	-2611.19	2.50	-1.11
154	10	56.75	-836.71	-2.74	-0.19	-2611.19	2.47	0.14
154	10	75.00	-804.90	26.84	-0.06	-2553.59	0.08	1.38
154	11	38.50	-621.02	3.46	-0.19	-2100.11	2.14	-0.62
154	11	56.75	-619.18	3.46	-0.19	-2100.11	2.12	0.51
154	11	75.00	-587.05	26.05	-0.06	-1989.84	-0.44	0.93
154	12	38.50	-851.13	-2.95	-0.18	-2641.25	2.49	-1.13
154	12	56.75	-848.91	-2.95	-0.18	-2641.25	2.47	0.12
154	12	75.00	-817.12	27.03	-0.06	-2583.68	0.11	1.40
154	13	38.50	-609.02	3.28	-0.19	-2059.99	1.92	-0.62
154	13	56.75	-607.24	3.28	-0.19	-2059.99	1.91	0.33
154	13	75.00	-575.28	25.57	-0.03	-1951.65	-0.25	0.86
154	14	38.50	-839.13	-3.13	-0.18	-2601.12	2.28	-1.13
154	14	56.75	-836.98	-3.13	-0.18	-2601.12	2.25	-0.07
154	14	75.00	-805.34	26.55	-0.03	-2545.49	0.30	1.32
154	15	38.50	-621.24	3.07	-0.18	-2090.05	1.91	-0.64
154	15	56.75	-619.44	3.07	-0.18	-2090.05	1.90	0.30
154	15	75.00	-587.50	25.77	-0.03	-1981.74	-0.21	0.87
154	16	38.50	-851.35	-3.34	-0.17	-2631.18	2.27	-1.15
154	16	56.75	-849.17	-3.34	-0.17	-2631.18	2.25	-0.09
154	16	75.00	-817.56	26.74	-0.03	-2575.58	0.34	1.34
...								
154	203	75.00	-564.36	20.29	-0.03	-1819.40	0.01	0.93
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-851.43	-11.23	-26.33	-3472.22	-232.83	-170.14
			-354.68	41.53	25.90	-455.63	234.41	186.95

Macro	Tipo	Angolo 1-Z (gradi)
155	**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
155	1	38.50	-581.63	3.39	-0.02	-1994.24	-2.83	4.08
155	1	56.75	-579.83	3.39	-0.02	-1994.24	-2.63	0.89
155	1	75.00	-547.53	24.88	-0.20	-1887.23	-4.70	-2.90
155	2	38.50	-809.87	-3.32	0.18	-2528.71	-4.88	5.12
155	2	56.75	-807.67	-3.32	0.18	-2528.71	-4.62	0.23
155	2	75.00	-775.65	25.63	-0.33	-2475.58	-5.74	-4.12
155	3	38.50	-593.66	3.17	-4.70e-03	-2023.95	-2.94	4.09
155	3	56.75	-591.83	3.17	-4.70e-03	-2023.95	-2.75	0.84
155	3	75.00	-559.56	25.06	-0.20	-1916.95	-4.66	-2.91
155	4	38.50	-821.90	-3.53	0.19	-2558.41	-4.99	5.13
155	4	56.75	-819.66	-3.53	0.19	-2558.41	-4.73	0.17
155	4	75.00	-787.68	25.81	-0.33	-2505.30	-5.70	-4.14
155	5	38.50	-582.40	2.67	0.02	-1980.42	-3.37	4.09
155	5	56.75	-580.63	2.67	0.02	-1980.42	-3.17	0.37
155	5	75.00	-548.30	24.29	-0.14	-1878.08	-4.15	-2.90
155	6	38.50	-810.64	-4.04	0.22	-2514.89	-5.43	5.13
155	6	56.75	-808.47	-4.04	0.22	-2514.89	-5.15	-0.30
155	6	75.00	-776.41	25.04	-0.27	-2466.44	-5.19	-4.13
155	7	38.50	-594.42	2.45	0.04	-2010.13	-3.49	4.09
155	7	56.75	-592.63	2.45	0.04	-2010.13	-3.28	0.31
155	7	75.00	-560.32	24.48	-0.15	-1907.80	-4.11	-2.92
155	8	38.50	-822.66	-4.25	0.24	-2544.60	-5.54	5.14
155	8	56.75	-820.47	-4.25	0.24	-2544.60	-5.27	-0.36
155	8	75.00	-788.44	25.23	-0.28	-2496.16	-5.16	-4.15
155	9	38.50	-611.70	2.84	0.02	-2068.51	-3.11	4.09
155	9	56.75	-609.82	2.84	0.02	-2068.51	-2.92	0.76
155	9	75.00	-577.60	25.34	-0.20	-1961.53	-4.60	-2.94
155	10	38.50	-839.94	-3.86	0.22	-2602.97	-5.17	5.14
155	10	56.75	-837.66	-3.86	0.22	-2602.97	-4.90	0.09

155	10	75.00	-805.72	26.09	-0.33	-2549.88	-5.64	-4.17
155	11	38.50	-623.72	2.63	0.04	-2098.22	-3.23	4.10
155	11	56.75	-621.82	2.63	0.04	-2098.22	-3.03	0.70
155	11	75.00	-589.63	25.53	-0.21	-1991.25	-4.56	-2.96
155	12	38.50	-851.96	-4.08	0.24	-2632.68	-5.28	5.14
155	12	56.75	-849.65	-4.08	0.24	-2632.68	-5.01	0.03
155	12	75.00	-817.74	26.28	-0.34	-2579.60	-5.60	-4.19
155	13	38.50	-612.46	2.13	0.07	-2054.69	-3.66	4.10
155	13	56.75	-610.62	2.13	0.07	-2054.69	-3.45	0.23
155	13	75.00	-578.36	24.76	-0.15	-1952.39	-4.05	-2.95
155	14	38.50	-840.70	-4.58	0.27	-2589.15	-5.71	5.14
155	14	56.75	-838.46	-4.58	0.27	-2589.15	-5.44	-0.44
155	14	75.00	-806.48	25.51	-0.28	-2540.74	-5.10	-4.18
155	15	38.50	-624.49	1.91	0.09	-2084.40	-3.78	4.11
155	15	56.75	-622.62	1.91	0.09	-2084.40	-3.57	0.18
155	15	75.00	-590.39	24.95	-0.16	-1982.11	-4.01	-2.97
155	16	38.50	-852.73	-4.80	0.28	-2618.86	-5.83	5.15
155	16	56.75	-850.46	-4.80	0.28	-2618.86	-5.55	-0.49
155	16	75.00	-818.51	25.70	-0.28	-2570.46	-5.06	-4.19
...								
155	203	75.00	-565.58	19.66	-0.21	-1817.46	-3.89	-2.92
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-852.98	-36.49	-24.33	-3519.84	-238.38	-174.61
			-344.80	49.75	27.33	84.02	236.26	200.87

Macro	Tipo	Angolo 1-Z (gradi)
156	**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
156	1	38.50	-582.37	0.97	0.21	-1969.91	18.92	-19.85
156	1	56.75	-580.73	0.97	0.21	-1969.91	18.40	-2.65
156	1	75.00	-546.23	21.45	-1.05	-1873.03	10.82	17.55
156	2	38.50	-804.61	-6.62	0.59	-2486.07	26.53	-30.49
156	2	56.75	-802.68	-6.62	0.59	-2486.07	25.73	-6.25
156	2	75.00	-768.17	20.41	-1.35	-2446.83	19.70	26.64
156	3	38.50	-593.96	0.79	0.24	-1998.66	19.10	-20.21
156	3	56.75	-592.29	0.79	0.24	-1998.66	18.56	-2.78
156	3	75.00	-557.80	21.64	-1.06	-1901.88	11.18	17.89
156	4	38.50	-816.20	-6.80	0.62	-2514.82	26.71	-30.85
156	4	56.75	-814.24	-6.80	0.62	-2514.82	25.90	-6.38
156	4	75.00	-779.75	20.60	-1.36	-2475.69	20.06	26.98
156	5	38.50	-583.76	0.15	0.39	-1954.20	18.39	-19.66
156	5	56.75	-582.16	0.15	0.39	-1954.20	17.89	-3.07
156	5	75.00	-546.96	20.79	-1.17	-1867.62	11.02	17.84
156	6	38.50	-806.00	-7.43	0.76	-2470.36	26.00	-30.30
156	6	56.75	-804.11	-7.43	0.76	-2470.36	25.23	-6.67
156	6	75.00	-768.90	19.75	-1.47	-2441.43	19.90	26.93
156	7	38.50	-595.35	-0.02	0.42	-1982.95	18.56	-20.02
156	7	56.75	-593.72	-0.02	0.42	-1982.95	18.05	-3.21
156	7	75.00	-558.53	20.98	-1.18	-1896.48	11.38	18.19
156	8	38.50	-817.59	-7.61	0.79	-2499.11	26.18	-30.66
156	8	56.75	-815.67	-7.61	0.79	-2499.11	25.39	-6.81
156	8	75.00	-780.47	19.94	-1.48	-2470.28	20.26	27.28
156	9	38.50	-611.34	0.53	0.29	-2041.78	19.35	-20.74
156	9	56.75	-609.63	0.53	0.29	-2041.78	18.80	-2.99
156	9	75.00	-575.16	21.93	-1.09	-1945.17	11.71	18.41
156	10	38.50	-833.58	-7.06	0.66	-2557.94	26.96	-31.39
156	10	56.75	-831.58	-7.06	0.66	-2557.94	26.14	-6.59
156	10	75.00	-797.11	20.89	-1.38	-2518.97	20.59	27.50
156	11	38.50	-622.92	0.35	0.32	-2070.53	19.52	-21.10
156	11	56.75	-621.19	0.35	0.32	-2070.53	18.96	-3.13
156	11	75.00	-586.74	22.12	-1.10	-1974.02	12.07	18.75
156	12	38.50	-845.16	-7.24	0.70	-2586.69	27.13	-31.74
156	12	56.75	-843.14	-7.24	0.70	-2586.69	26.30	-6.73
156	12	75.00	-808.68	21.08	-1.40	-2547.82	20.95	27.84
156	13	38.50	-612.73	-0.28	0.47	-2026.07	18.82	-20.56
156	13	56.75	-611.06	-0.28	0.47	-2026.07	18.30	-3.41
156	13	75.00	-575.89	21.27	-1.20	-1939.76	11.91	18.70
156	14	38.50	-834.96	-7.87	0.84	-2542.23	26.43	-31.20
156	14	56.75	-833.01	-7.87	0.84	-2542.23	25.63	-7.01
156	14	75.00	-797.84	20.23	-1.50	-2513.56	20.79	27.79
156	15	38.50	-624.31	-0.46	0.50	-2054.82	18.99	-20.91
156	15	56.75	-622.62	-0.46	0.50	-2054.82	18.46	-3.55
156	15	75.00	-587.47	21.46	-1.22	-1968.61	12.27	19.05
156	16	38.50	-846.55	-8.05	0.87	-2570.98	26.60	-31.56
156	16	56.75	-844.57	-8.05	0.87	-2570.98	25.79	-7.15
156	16	75.00	-809.41	20.42	-1.51	-2542.42	21.15	28.14
...								
156	203	75.00	-560.43	16.05	-1.04	-1798.60	13.80	19.10
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-847.01	-100.64	-26.03	-3956.25	-258.38	-228.99
			-299.86	94.43	30.61	1051.94	294.94	225.40

Macro	Tipo	Angolo 1-Z (gradi)
157	**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
157	1	38.50	-230.23	-29.10	5.43	263.83	12.74	-76.35
157	1	56.75	-238.08	-29.10	5.43	263.83	12.10	-7.09
157	1	75.00	-216.30	31.67	-5.47	182.78	12.77	61.93
157	2	38.50	-320.27	-39.08	11.21	520.99	-21.64	-86.30
157	2	56.75	-331.06	-39.08	11.21	520.99	-22.40	-15.00
157	2	75.00	-306.70	41.18	-7.57	387.29	15.65	80.70
157	3	38.50	-235.20	-29.62	5.62	273.97	12.61	-77.78
157	3	56.75	-243.19	-29.62	5.62	273.97	11.94	-7.38
157	3	75.00	-221.28	32.20	-5.65	192.87	12.72	63.31
157	4	38.50	-325.24	-39.60	11.40	531.14	-21.77	-87.74
157	4	56.75	-336.17	-39.60	11.40	531.14	-22.55	-15.29
157	4	75.00	-311.68	41.71	-7.75	397.37	15.61	82.08
157	5	38.50	-225.41	-28.33	5.36	225.14	14.22	-75.92
157	5	56.75	-233.26	-28.33	5.36	225.14	13.60	-7.51
157	5	75.00	-212.80	32.46	-5.50	159.95	13.44	61.43
157	6	38.50	-315.45	-38.31	11.14	482.31	-20.17	-85.87
157	6	56.75	-326.24	-38.31	11.14	482.31	-20.89	-15.41
157	6	75.00	-303.20	41.97	-7.60	364.45	16.32	80.20
157	7	38.50	-230.38	-28.86	5.55	235.29	14.08	-77.35
157	7	56.75	-238.37	-28.86	5.55	235.29	13.45	-7.80
157	7	75.00	-217.78	32.99	-5.68	170.04	13.40	62.80
157	8	38.50	-320.43	-38.84	11.33	492.46	-20.30	-87.31
157	8	56.75	-331.35	-38.84	11.33	492.46	-21.05	-15.70
157	8	75.00	-308.19	42.50	-7.78	374.54	16.28	81.58
157	9	38.50	-242.66	-30.40	5.90	289.19	12.41	-79.93
157	9	56.75	-250.86	-30.40	5.90	289.19	11.71	-7.82
157	9	75.00	-228.75	32.99	-5.92	207.99	12.66	65.38
157	10	38.50	-332.70	-40.39	11.68	546.36	-21.97	-89.88
157	10	56.75	-343.84	-40.39	11.68	546.36	-22.78	-15.73
157	10	75.00	-319.16	42.51	-8.02	412.50	15.54	84.15
157	11	38.50	-247.63	-30.93	6.08	299.34	12.28	-81.36
157	11	56.75	-255.97	-30.93	6.08	299.34	11.56	-8.12
157	11	75.00	-233.73	33.52	-6.10	218.08	12.62	66.76
157	12	38.50	-337.67	-40.91	11.87	556.50	-22.10	-91.31
157	12	56.75	-348.95	-40.91	11.87	556.50	-22.94	-16.02
157	12	75.00	-324.14	43.03	-8.21	422.58	15.50	85.53
157	13	38.50	-237.84	-29.64	5.83	250.51	13.89	-79.50
157	13	56.75	-246.04	-29.64	5.83	250.51	13.22	-8.24
157	13	75.00	-225.25	33.78	-5.95	185.16	13.33	64.87
157	14	38.50	-327.88	-39.62	11.61	507.68	-20.49	-89.45
157	14	56.75	-339.02	-39.62	11.61	507.68	-21.28	-16.14
157	14	75.00	-315.66	43.29	-8.05	389.66	16.22	83.64
157	15	38.50	-242.81	-30.16	6.02	260.66	13.76	-80.93
157	15	56.75	-251.15	-30.16	6.02	260.66	13.06	-8.53
157	15	75.00	-230.23	34.31	-6.13	195.25	13.29	66.25
157	16	38.50	-332.85	-40.14	11.80	517.82	-20.63	-90.88
157	16	56.75	-344.13	-40.14	11.80	517.82	-21.43	-16.43
157	16	75.00	-320.64	43.82	-8.23	399.75	16.17	85.02
...								
157	203	75.00	-222.55	30.73	-5.68	259.71	11.54	60.03
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-672.26	-137.88	-17.08	-1286.57	-205.05	-452.34
			-14.58	168.56	34.80	3397.06	101.35	272.97

Macro	Tipo	Angolo 1-Z (gradi)
158	**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
158	1	38.50	-1066.74	-1.17	-13.83	45.72	-420.87	2.86
158	1	56.75	-1077.75	-1.17	-13.83	33.52	-420.00	3.09
158	1	75.00	-1052.27	-1.18	31.67	35.10	-258.04	3.47
158	2	38.50	-1611.78	-1.17	-25.24	45.72	-504.85	2.86
158	2	56.75	-1630.29	-1.17	-25.24	33.52	-503.86	3.09
158	2	75.00	-1599.81	-1.18	39.22	35.10	-377.18	3.47
158	3	38.50	-1096.34	-1.17	-14.27	45.72	-426.47	2.86
158	3	56.75	-1107.64	-1.17	-14.27	33.52	-425.59	3.09
158	3	75.00	-1081.91	-1.18	32.11	35.10	-263.64	3.47
158	4	38.50	-1641.38	-1.17	-25.68	45.72	-510.44	2.86
158	4	56.75	-1660.19	-1.17	-25.68	33.52	-509.44	3.09
158	4	75.00	-1629.45	-1.18	39.66	35.10	-382.79	3.47
158	5	38.50	-1072.02	-1.17	-13.88	45.72	-419.50	2.86
158	5	56.75	-1081.64	-1.17	-13.88	33.52	-418.59	3.09
158	5	75.00	-1055.03	-1.18	31.53	35.10	-258.43	3.47
158	6	38.50	-1617.06	-1.17	-25.30	45.72	-503.48	2.86
158	6	56.75	-1634.18	-1.17	-25.30	33.52	-502.45	3.09
158	6	75.00	-1602.58	-1.18	39.08	35.10	-377.58	3.47
158	7	38.50	-1101.62	-1.17	-14.32	45.72	-425.10	2.86
158	7	56.75	-1111.54	-1.17	-14.32	33.52	-424.18	3.09
158	7	75.00	-1084.67	-1.18	31.96	35.10	-264.04	3.47
158	8	38.50	-1646.66	-1.17	-25.73	45.72	-509.08	2.86
158	8	56.75	-1664.08	-1.17	-25.73	33.52	-508.04	3.09
158	8	75.00	-1632.21	-1.18	39.52	35.10	-383.19	3.47
158	9	38.50	-1140.73	-1.17	-14.92	45.72	-434.86	2.86
158	9	56.75	-1152.49	-1.17	-14.92	33.52	-433.97	3.09
158	9	75.00	-1126.36	-1.18	32.76	35.10	-272.06	3.47
158	10	38.50	-1685.78	-1.17	-26.34	45.72	-518.84	2.86
158	10	56.75	-1705.03	-1.17	-26.34	33.52	-517.82	3.09
158	10	75.00	-1673.91	-1.18	40.32	35.10	-391.20	3.47
158	11	38.50	-1170.33	-1.17	-15.36	45.72	-440.46	2.86
158	11	56.75	-1182.39	-1.17	-15.36	33.52	-439.55	3.09

158	11	75.00	-1156.00	-1.18	33.20	35.10	-277.66	3.47
158	12	38.50	-1715.37	-1.17	-26.78	45.72	-524.43	2.86
158	12	56.75	-1734.93	-1.17	-26.78	33.52	-523.41	3.09
158	12	75.00	-1703.54	-1.18	40.75	35.10	-396.81	3.47
158	13	38.50	-1146.02	-1.17	-14.98	45.72	-433.49	2.86
158	13	56.75	-1156.38	-1.17	-14.98	33.52	-432.56	3.09
158	13	75.00	-1129.13	-1.18	32.62	35.10	-272.45	3.47
158	14	38.50	-1691.06	-1.17	-26.39	45.72	-517.47	2.86
158	14	56.75	-1708.93	-1.17	-26.39	33.52	-516.42	3.09
158	14	75.00	-1676.67	-1.18	40.17	35.10	-391.60	3.47
158	15	38.50	-1175.61	-1.17	-15.41	45.72	-439.09	2.86
158	15	56.75	-1186.28	-1.17	-15.41	33.52	-438.15	3.09
158	15	75.00	-1158.76	-1.18	33.05	35.10	-278.06	3.47
158	16	38.50	-1720.66	-1.17	-26.83	45.72	-523.07	2.86
158	16	56.75	-1738.82	-1.17	-26.83	33.52	-522.00	3.09
158	16	75.00	-1706.31	-1.18	40.61	35.10	-397.21	3.47
...								
158	203	75.00	-1157.85	-0.90	29.15	27.00	-272.65	2.67
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-2774.26	-848.65	-36.18	-9.493e+04	-610.27	-550.10
			405.67	847.61	60.94	9.458e+04	-127.16	557.86

Macro	Tipo	Angolo 1-Z (gradi)
161	**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
161	1	38.50	-597.77	30.29	-7.56	-2968.20	112.94	-118.71
161	1	56.75	-605.68	30.29	-7.56	-2968.20	109.19	10.32
161	1	75.00	-580.94	-16.03	-9.42	-2866.23	-41.39	45.75
161	2	38.50	-784.98	42.60	-9.31	-3938.44	142.36	-129.93
161	2	56.75	-795.88	42.60	-9.31	-3938.44	138.23	11.38
161	2	75.00	-765.16	-21.59	-12.63	-3774.08	-53.60	53.72
161	3	38.50	-608.07	30.75	-7.53	-3018.37	112.65	-118.95
161	3	56.75	-616.12	30.75	-7.53	-3018.37	108.87	10.31
161	3	75.00	-591.22	-16.47	-9.47	-2916.22	-41.82	46.01
161	4	38.50	-795.27	43.07	-9.28	-3988.61	142.07	-130.17
161	4	56.75	-806.32	43.07	-9.28	-3988.61	137.91	11.37
161	4	75.00	-775.44	-22.03	-12.68	-3824.07	-54.02	53.97
161	5	38.50	-600.19	30.58	-7.65	-2978.23	113.68	-119.27
161	5	56.75	-608.07	30.58	-7.65	-2978.23	109.94	10.54
161	5	75.00	-582.78	-15.38	-9.50	-2878.28	-42.12	45.93
161	6	38.50	-787.40	42.90	-9.41	-3948.48	143.11	-130.49
161	6	56.75	-798.26	42.90	-9.41	-3948.48	138.98	11.60
161	6	75.00	-767.00	-20.94	-12.71	-3786.13	-54.32	53.89
161	7	38.50	-610.49	31.05	-7.62	-3028.40	113.40	-119.50
161	7	56.75	-618.51	31.05	-7.62	-3028.40	109.62	10.53
161	7	75.00	-593.06	-15.82	-9.54	-2928.26	-42.54	46.18
161	8	38.50	-797.69	43.36	-9.38	-3998.65	142.82	-130.72
161	8	56.75	-808.70	43.36	-9.38	-3998.65	138.66	11.59
161	8	75.00	-777.29	-21.38	-12.76	-3836.11	-54.75	54.15
161	9	38.50	-623.51	31.45	-7.48	-3093.62	112.21	-119.31
161	9	56.75	-631.78	31.45	-7.48	-3093.62	108.39	10.29
161	9	75.00	-606.65	-17.12	-9.54	-2991.19	-42.46	46.39
161	10	38.50	-810.72	43.76	-9.23	-4063.87	141.63	-130.53
161	10	56.75	-821.98	43.76	-9.23	-4063.87	137.43	11.36
161	10	75.00	-790.87	-22.68	-12.75	-3899.05	-54.67	54.36
161	11	38.50	-633.81	31.91	-7.45	-3143.79	111.92	-119.55
161	11	56.75	-642.23	31.91	-7.45	-3143.79	108.08	10.29
161	11	75.00	-616.93	-17.56	-9.59	-3041.18	-42.89	46.65
161	12	38.50	-821.02	44.23	-9.20	-4114.04	141.35	-130.77
161	12	56.75	-832.42	44.23	-9.20	-4114.04	137.11	11.35
161	12	75.00	-801.15	-23.12	-12.80	-3949.03	-55.09	54.62
161	13	38.50	-625.93	31.74	-7.58	-3103.65	112.96	-119.86
161	13	56.75	-634.17	31.74	-7.58	-3103.65	109.14	10.51
161	13	75.00	-608.49	-16.47	-9.62	-3003.24	-43.19	46.57
161	14	38.50	-813.14	44.06	-9.33	-4073.90	142.38	-131.08
161	14	56.75	-824.36	44.06	-9.33	-4073.90	138.18	11.58
161	14	75.00	-792.71	-22.03	-12.83	-3911.09	-55.39	54.53
161	15	38.50	-636.23	32.21	-7.55	-3153.83	112.67	-120.10
161	15	56.75	-644.61	32.21	-7.55	-3153.83	108.83	10.51
161	15	75.00	-618.77	-16.91	-9.66	-3053.23	-43.61	46.82
161	16	38.50	-823.44	44.52	-9.30	-4124.07	142.09	-131.32
161	16	56.75	-834.80	44.52	-9.30	-4124.07	137.86	11.57
161	16	75.00	-803.00	-22.47	-12.88	-3961.08	-55.82	54.79
...								
161	203	75.00	-565.03	-15.86	-9.08	-2786.92	-39.43	39.99
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1198.46	-113.04	-39.55	-6814.28	-259.79	-183.28
			-21.92	156.73	15.42	367.13	319.30	109.14

Macro	Tipo	Angolo 1-Z (gradi)
162	**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

162	1	38.50	-880.38	-7.18	1.03	-1379.04	-27.46	9.95
162	1	56.75	-874.59	-7.18	1.03	-1379.04	-27.57	2.08
162	1	75.00	-875.06	-35.53	0.46	-1604.11	-14.03	-3.98
162	2	38.50	-1178.46	-0.63	0.93	-1812.91	-33.11	9.56
162	2	56.75	-1171.28	-0.63	0.93	-1812.91	-33.44	3.28
162	2	75.00	-1173.97	-38.84	0.09	-1999.73	-23.39	-2.99
162	3	38.50	-896.09	-6.91	1.02	-1401.31	-27.52	9.84
162	3	56.75	-890.21	-6.91	1.02	-1401.31	-27.64	2.09
162	3	75.00	-890.77	-35.79	0.44	-1626.34	-14.33	-3.87
162	4	38.50	-1194.16	-0.37	0.92	-1835.18	-33.16	9.45
162	4	56.75	-1186.90	-0.37	0.92	-1835.18	-33.51	3.30
162	4	75.00	-1189.67	-39.09	0.07	-2021.96	-23.70	-2.87
162	5	38.50	-879.86	-7.42	0.93	-1380.75	-26.26	9.85
162	5	56.75	-874.11	-7.42	0.93	-1380.75	-26.34	2.50
162	5	75.00	-874.96	-35.91	0.30	-1603.92	-15.04	-3.96
162	6	38.50	-1177.94	-0.88	0.82	-1814.62	-31.91	9.46
162	6	56.75	-1170.80	-0.88	0.82	-1814.62	-32.22	3.71
162	6	75.00	-1173.86	-39.21	-0.07	-1999.54	-24.41	-2.96
162	7	38.50	-895.57	-7.16	0.92	-1403.02	-26.32	9.73
162	7	56.75	-889.73	-7.16	0.92	-1403.02	-26.41	2.51
162	7	75.00	-890.66	-36.16	0.28	-1626.15	-15.35	-3.84
162	8	38.50	-1193.64	-0.61	0.81	-1836.89	-31.96	9.35
162	8	56.75	-1186.42	-0.61	0.81	-1836.89	-32.28	3.72
162	8	75.00	-1189.56	-39.47	-0.09	-2021.78	-24.71	-2.85
162	9	38.50	-919.65	-6.52	1.01	-1434.71	-27.60	9.68
162	9	56.75	-913.65	-6.52	1.01	-1434.71	-27.74	2.11
162	9	75.00	-914.33	-36.17	0.41	-1659.69	-14.79	-3.69
162	10	38.50	-1217.72	0.03	0.91	-1868.58	-33.25	9.29
162	10	56.75	-1210.33	0.03	0.91	-1868.58	-33.61	3.32
162	10	75.00	-1213.23	-39.48	0.04	-2055.31	-24.16	-2.70
162	11	38.50	-935.35	-6.25	1.00	-1456.98	-27.66	9.56
162	11	56.75	-929.27	-6.25	1.00	-1456.98	-27.81	2.12
162	11	75.00	-930.03	-36.43	0.39	-1681.92	-15.09	-3.57
162	12	38.50	-1233.43	0.29	0.90	-1890.85	-33.31	9.18
162	12	56.75	-1225.96	0.29	0.90	-1890.85	-33.68	3.33
162	12	75.00	-1228.93	-39.74	0.02	-2077.54	-24.46	-2.58
162	13	38.50	-919.12	-6.76	0.90	-1436.42	-26.40	9.57
162	13	56.75	-913.17	-6.76	0.90	-1436.42	-26.51	2.53
162	13	75.00	-914.22	-36.55	0.25	-1659.50	-15.80	-3.67
162	14	38.50	-1217.20	-0.22	0.80	-1870.29	-32.05	9.18
162	14	56.75	-1209.86	-0.22	0.80	-1870.29	-32.39	3.74
162	14	75.00	-1213.12	-39.85	-0.12	-2055.12	-25.17	-2.67
162	15	38.50	-934.83	-6.50	0.89	-1458.69	-26.46	9.46
162	15	56.75	-928.79	-6.50	0.89	-1458.69	-26.58	2.55
162	15	75.00	-929.92	-36.81	0.23	-1681.73	-16.11	-3.55
162	16	38.50	-1232.91	0.05	0.79	-1892.56	-32.10	9.07
162	16	56.75	-1225.48	0.05	0.79	-1892.56	-32.45	3.75
162	16	75.00	-1228.82	-40.11	-0.14	-2077.36	-25.48	-2.55
...								
162	203	75.00	-861.81	-29.72	0.06	-1486.35	-16.74	-2.30
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1298.12	-103.18	-36.36	-4136.83	-341.38	-102.20
			-327.27	106.39	40.05	855.70	303.44	102.93

Macro	Tipo	Angolo 1-Z (gradi)
163	**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
163	1	38.50	-889.53	-3.74	-0.41	-1413.38	7.62	-1.82
163	1	56.75	-883.61	-3.74	-0.41	-1413.38	7.72	1.05
163	1	75.00	-882.00	-32.36	-0.37	-1621.66	1.19	1.65
163	2	38.50	-1196.54	3.74	-0.56	-1861.38	10.37	-1.90
163	2	56.75	-1189.18	3.74	-0.56	-1861.38	10.53	1.71
163	2	75.00	-1189.21	-35.04	-0.56	-2029.34	1.12	2.00
163	3	38.50	-905.78	-3.48	-0.42	-1436.30	7.72	-1.81
163	3	56.75	-899.78	-3.48	-0.42	-1436.30	7.83	1.08
163	3	75.00	-898.26	-32.63	-0.38	-1644.60	1.11	1.64
163	4	38.50	-1212.80	4.01	-0.57	-1884.30	10.48	-1.89
163	4	56.75	-1205.35	4.01	-0.57	-1884.30	10.64	1.74
163	4	75.00	-1205.48	-35.31	-0.58	-2052.29	1.04	2.00
163	5	38.50	-888.58	-3.76	-0.50	-1414.05	8.36	-1.76
163	5	56.75	-882.72	-3.76	-0.50	-1414.05	8.47	1.28
163	5	75.00	-881.27	-32.47	-0.46	-1620.07	0.45	1.70
163	6	38.50	-1195.60	3.73	-0.66	-1862.05	11.12	-1.84
163	6	56.75	-1188.29	3.73	-0.66	-1862.05	11.28	1.94
163	6	75.00	-1188.48	-35.15	-0.66	-2027.75	0.38	2.05
163	7	38.50	-904.84	-3.49	-0.51	-1436.97	8.47	-1.75
163	7	56.75	-898.90	-3.49	-0.51	-1436.97	8.57	1.31
163	7	75.00	-897.53	-32.75	-0.47	-1643.01	0.37	1.69
163	8	38.50	-1211.85	3.99	-0.67	-1884.97	11.22	-1.83
163	8	56.75	-1204.46	3.99	-0.67	-1884.97	11.39	1.97
163	8	75.00	-1204.74	-35.43	-0.67	-2050.69	0.30	2.05
163	9	38.50	-930.17	-3.08	-0.43	-1470.68	7.88	-1.79
163	9	56.75	-924.04	-3.08	-0.43	-1470.68	7.99	1.12
163	9	75.00	-922.66	-33.05	-0.40	-1679.02	0.98	1.63
163	10	38.50	-1237.19	4.40	-0.59	-1918.69	10.64	-1.87
163	10	56.75	-1229.60	4.40	-0.59	-1918.69	10.80	1.78
163	10	75.00	-1229.87	-35.73	-0.60	-2086.70	0.92	1.99
163	11	38.50	-946.42	-2.82	-0.44	-1493.61	7.99	-1.77
163	11	56.75	-940.21	-2.82	-0.44	-1493.61	8.10	1.15
163	11	75.00	-938.92	-33.33	-0.42	-1701.96	0.90	1.63
163	12	38.50	-1253.44	4.67	-0.60	-1941.61	10.75	-1.86

163	12	56.75	-1245.77	4.67	-0.60	-1941.61	10.91	1.81
163	12	75.00	-1246.13	-36.01	-0.61	-2109.64	0.83	1.98
163	13	38.50	-929.22	-3.10	-0.52	-1471.35	8.63	-1.73
163	13	56.75	-923.15	-3.10	-0.52	-1471.35	8.74	1.35
163	13	75.00	-921.92	-33.17	-0.49	-1677.42	0.25	1.68
163	14	38.50	-1236.24	4.39	-0.68	-1919.35	11.38	-1.81
163	14	56.75	-1228.72	4.39	-0.68	-1919.35	11.55	2.01
163	14	75.00	-1229.14	-35.85	-0.69	-2085.10	0.18	2.04
163	15	38.50	-945.48	-2.83	-0.53	-1494.27	8.73	-1.71
163	15	56.75	-939.32	-2.83	-0.53	-1494.27	8.85	1.38
163	15	75.00	-938.19	-33.45	-0.51	-1700.36	0.16	1.68
163	16	38.50	-1252.50	4.65	-0.69	-1942.27	11.49	-1.80
163	16	56.75	-1244.89	4.65	-0.69	-1942.27	11.66	2.04
163	16	75.00	-1245.40	-36.13	-0.70	-2108.04	0.09	2.03
...								
163	203	75.00	-872.38	-26.88	-0.45	-1507.07	0.44	1.47
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1253.76	-54.68	-28.40	-3417.93	-259.18	-83.53
			-563.31	64.80	33.40	94.10	269.48	67.42

Macro	Tipo	Angolo 1-Z (gradi)
164	**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
164	1	38.50	-895.67	-3.63	-0.22	-1430.94	0.13	0.86
164	1	56.75	-889.73	-3.63	-0.22	-1430.94	0.14	0.98
164	1	75.00	-888.03	-32.31	-0.22	-1640.00	-3.43	-0.63
164	2	38.50	-1205.74	4.04	-0.26	-1884.34	-0.04	1.07
164	2	56.75	-1198.34	4.04	-0.26	-1884.34	-0.02	1.25
164	2	75.00	-1198.17	-34.88	-0.28	-2052.87	-4.37	-0.75
164	3	38.50	-912.16	-3.36	-0.22	-1454.17	0.14	0.87
164	3	56.75	-906.14	-3.36	-0.22	-1454.17	0.15	0.99
164	3	75.00	-904.53	-32.59	-0.23	-1663.24	-3.47	-0.63
164	4	38.50	-1222.24	4.31	-0.26	-1907.56	-0.03	1.08
164	4	56.75	-1214.75	4.31	-0.26	-1907.57	-0.01	1.26
164	4	75.00	-1214.68	-35.16	-0.28	-2076.11	-4.41	-0.75
164	5	38.50	-894.79	-3.45	-0.25	-1431.91	0.39	0.89
164	5	56.75	-888.91	-3.45	-0.25	-1431.91	0.41	1.06
164	5	75.00	-887.19	-32.21	-0.25	-1638.47	-3.68	-0.61
164	6	38.50	-1204.86	4.22	-0.29	-1885.31	0.22	1.10
164	6	56.75	-1197.52	4.22	-0.29	-1885.31	0.24	1.33
164	6	75.00	-1197.33	-34.77	-0.31	-2051.34	-4.62	-0.73
164	7	38.50	-911.28	-3.18	-0.25	-1455.14	0.40	0.90
164	7	56.75	-905.32	-3.18	-0.25	-1455.14	0.42	1.07
164	7	75.00	-903.69	-32.49	-0.26	-1661.71	-3.72	-0.61
164	8	38.50	-1221.36	4.49	-0.30	-1908.53	0.23	1.11
164	8	56.75	-1213.93	4.49	-0.30	-1908.53	0.25	1.34
164	8	75.00	-1213.83	-35.05	-0.31	-2074.58	-4.66	-0.73
164	9	38.50	-936.91	-2.95	-0.22	-1489.01	0.15	0.87
164	9	56.75	-930.76	-2.95	-0.22	-1489.01	0.17	1.00
164	9	75.00	-929.28	-33.01	-0.23	-1698.10	-3.54	-0.63
164	10	38.50	-1246.98	4.71	-0.27	-1942.40	-0.01	1.08
164	10	56.75	-1239.36	4.71	-0.27	-1942.40	9.34e-04	1.27
164	10	75.00	-1239.43	-35.58	-0.29	-2110.97	-4.48	-0.75
164	11	38.50	-953.40	-2.68	-0.23	-1512.24	0.16	0.88
164	11	56.75	-947.17	-2.68	-0.23	-1512.24	0.18	1.02
164	11	75.00	-945.78	-33.29	-0.24	-1721.34	-3.58	-0.63
164	12	38.50	-1263.48	4.98	-0.27	-1965.63	-4.20e-03	1.08
164	12	56.75	-1255.77	4.98	-0.27	-1965.63	0.01	1.29
164	12	75.00	-1255.93	-35.86	-0.29	-2134.21	-4.52	-0.75
164	13	38.50	-936.03	-2.77	-0.26	-1489.98	0.41	0.90
164	13	56.75	-929.94	-2.77	-0.26	-1489.98	0.43	1.08
164	13	75.00	-928.44	-32.90	-0.26	-1696.56	-3.79	-0.61
164	14	38.50	-1246.10	4.89	-0.30	-1943.37	0.25	1.11
164	14	56.75	-1238.55	4.89	-0.30	-1943.37	0.26	1.35
164	14	75.00	-1238.59	-35.47	-0.32	-2109.44	-4.73	-0.73
164	15	38.50	-952.52	-2.50	-0.26	-1513.20	0.42	0.91
164	15	56.75	-946.35	-2.50	-0.26	-1513.20	0.44	1.09
164	15	75.00	-944.94	-33.18	-0.27	-1719.80	-3.83	-0.61
164	16	38.50	-1262.60	5.16	-0.30	-1966.60	0.26	1.12
164	16	56.75	-1254.95	5.16	-0.30	-1966.60	0.27	1.36
164	16	75.00	-1255.09	-35.75	-0.32	-2132.67	-4.77	-0.73
...								
164	203	75.00	-878.99	-26.71	-0.22	-1524.53	-3.32	-0.54
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1263.77	-36.93	-27.23	-2907.88	-231.86	-68.94
			-678.01	38.18	29.97	-316.99	232.90	61.05

Macro	Tipo	Angolo 1-Z (gradi)
165	**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
165	1	38.50	-900.44	-3.60	-0.16	-1440.15	2.46	-0.59
165	1	56.75	-894.48	-3.60	-0.16	-1440.15	2.45	0.09

165	1	75.00	-892.85	-32.43	-0.17	-1649.33	-0.17	0.55
165	2	38.50	-1210.52	4.06	-0.11	-1893.54	2.63	-0.80
165	2	56.75	-1203.09	4.06	-0.11	-1893.54	2.62	-0.18
165	2	75.00	-1202.99	-35.00	-0.11	-2062.20	0.76	0.67
165	3	38.50	-916.94	-3.34	-0.15	-1463.37	2.45	-0.59
165	3	56.75	-910.89	-3.34	-0.15	-1463.37	2.44	0.08
165	3	75.00	-909.35	-32.71	-0.16	-1672.57	-0.13	0.55
165	4	38.50	-1227.01	4.33	-0.11	-1916.77	2.62	-0.80
165	4	56.75	-1219.50	4.33	-0.11	-1916.77	2.61	-0.19
165	4	75.00	-1219.49	-35.28	-0.11	-2085.44	0.81	0.67
165	5	38.50	-899.56	-3.42	-0.12	-1441.12	2.20	-0.62
165	5	56.75	-893.66	-3.42	-0.12	-1441.12	2.19	0.01
165	5	75.00	-892.01	-32.33	-0.13	-1647.80	0.08	0.53
165	6	38.50	-1209.64	4.24	-0.08	-1894.51	2.37	-0.83
165	6	56.75	-1202.27	4.24	-0.08	-1894.51	2.36	-0.26
165	6	75.00	-1202.15	-34.89	-0.08	-2060.67	1.02	0.65
165	7	38.50	-916.06	-3.15	-0.12	-1464.34	2.19	-0.62
165	7	56.75	-910.07	-3.15	-0.12	-1464.34	2.18	1.24e-03
165	7	75.00	-908.51	-32.61	-0.13	-1671.04	0.12	0.53
165	8	38.50	-1226.13	4.51	-0.08	-1917.74	2.36	-0.83
165	8	56.75	-1218.68	4.51	-0.08	-1917.74	2.35	-0.27
165	8	75.00	-1218.65	-35.17	-0.08	-2083.91	1.06	0.65
165	9	38.50	-941.68	-2.93	-0.15	-1498.21	2.44	-0.60
165	9	56.75	-935.51	-2.93	-0.15	-1498.21	2.43	0.06
165	9	75.00	-934.10	-33.13	-0.16	-1707.43	-0.06	0.55
165	10	38.50	-1251.76	4.73	-0.11	-1951.61	2.60	-0.81
165	10	56.75	-1244.11	4.73	-0.11	-1951.61	2.59	-0.21
165	10	75.00	-1244.24	-35.70	-0.10	-2120.30	0.87	0.67
165	11	38.50	-958.18	-2.66	-0.15	-1521.44	2.43	-0.60
165	11	56.75	-951.92	-2.66	-0.15	-1521.44	2.42	0.05
165	11	75.00	-950.60	-33.41	-0.15	-1730.67	-0.02	0.55
165	12	38.50	-1268.25	5.00	-0.10	-1974.84	2.59	-0.81
165	12	56.75	-1260.52	5.00	-0.10	-1974.84	2.58	-0.22
165	12	75.00	-1260.74	-35.98	-0.10	-2143.54	0.92	0.67
165	13	38.50	-940.80	-2.75	-0.12	-1499.18	2.17	-0.63
165	13	56.75	-934.69	-2.75	-0.12	-1499.18	2.16	-0.01
165	13	75.00	-933.26	-33.02	-0.13	-1705.89	0.19	0.53
165	14	38.50	-1250.88	4.91	-0.07	-1952.58	2.34	-0.84
165	14	56.75	-1243.29	4.91	-0.07	-1952.58	2.33	-0.28
165	14	75.00	-1243.40	-35.59	-0.07	-2118.77	1.13	0.65
165	15	38.50	-957.30	-2.48	-0.11	-1522.41	2.16	-0.63
165	15	56.75	-951.10	-2.48	-0.11	-1522.41	2.15	-0.02
165	15	75.00	-949.76	-33.30	-0.12	-1729.13	0.23	0.53
165	16	38.50	-1267.37	5.18	-0.07	-1975.80	2.33	-0.84
165	16	56.75	-1259.70	5.18	-0.07	-1975.80	2.32	-0.29
165	16	75.00	-1259.90	-35.87	-0.07	-2142.00	1.17	0.65
...								
165	203	75.00	-882.69	-26.80	-0.08	-1531.70	0.55	0.48
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1268.55	-37.05	-30.37	-2930.78	-236.57	-60.24
			-681.16	38.92	26.99	-322.09	234.71	70.05

Macro	Tipo	Angolo 1-Z (gradi)
166	**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
166	1	38.50	-902.89	-3.81	0.13	-1439.60	-5.71	2.05
166	1	56.75	-896.90	-3.81	0.13	-1439.60	-5.80	-0.21
166	1	75.00	-895.56	-32.81	0.09	-1648.64	-3.79	-1.70
166	2	38.50	-1209.90	3.68	0.29	-1887.60	-8.47	2.13
166	2	56.75	-1202.46	3.68	0.29	-1887.60	-8.61	-0.87
166	2	75.00	-1202.78	-35.49	0.29	-2056.32	-3.72	-2.06
166	3	38.50	-919.14	-3.54	0.14	-1462.52	-5.82	2.04
166	3	56.75	-913.07	-3.54	0.14	-1462.52	-5.91	-0.24
166	3	75.00	-911.83	-33.09	0.11	-1671.58	-3.71	-1.69
166	4	38.50	-1226.16	3.94	0.30	-1910.52	-8.57	2.12
166	4	56.75	-1218.63	3.94	0.30	-1910.52	-8.72	-0.90
166	4	75.00	-1219.04	-35.77	0.30	-2079.26	-3.64	-2.05
166	5	38.50	-901.94	-3.82	0.22	-1440.27	-6.45	1.99
166	5	56.75	-896.01	-3.82	0.22	-1440.27	-6.55	-0.44
166	5	75.00	-894.83	-32.92	0.18	-1647.04	-3.05	-1.75
166	6	38.50	-1208.96	3.67	0.38	-1888.27	-9.21	2.07
166	6	56.75	-1201.58	3.67	0.38	-1888.27	-9.36	-1.10
166	6	75.00	-1202.05	-35.60	0.38	-2054.73	-2.99	-2.11
166	7	38.50	-918.20	-3.56	0.23	-1463.19	-6.56	1.98
166	7	56.75	-912.18	-3.56	0.23	-1463.19	-6.66	-0.47
166	7	75.00	-911.10	-33.20	0.20	-1669.99	-2.97	-1.74
166	8	38.50	-1225.21	3.93	0.39	-1911.19	-9.32	2.06
166	8	56.75	-1217.75	3.93	0.39	-1911.19	-9.47	-1.13
166	8	75.00	-1218.31	-35.88	0.39	-2077.67	-2.90	-2.10
166	9	38.50	-943.53	-3.15	0.15	-1496.91	-5.98	2.02
166	9	56.75	-937.33	-3.15	0.15	-1496.91	-6.07	-0.29
166	9	75.00	-936.22	-33.50	0.13	-1706.00	-3.59	-1.68
166	10	38.50	-1250.55	4.34	0.31	-1944.91	-8.74	2.10
166	10	56.75	-1242.89	4.34	0.31	-1944.91	-8.89	-0.95
166	10	75.00	-1243.44	-36.18	0.32	-2113.68	-3.52	-2.04
166	11	38.50	-959.78	-2.88	0.16	-1519.83	-6.08	2.01
166	11	56.75	-953.50	-2.88	0.16	-1519.83	-6.18	-0.32
166	11	75.00	-952.49	-33.78	0.14	-1728.94	-3.51	-1.68
166	12	38.50	-1266.80	4.60	0.32	-1967.83	-8.84	2.09
166	12	56.75	-1259.06	4.60	0.32	-1967.83	-8.99	-0.98
166	12	75.00	-1259.70	-36.46	0.33	-2136.62	-3.44	-2.03

166	13	38.50	-942.58	-3.16	0.25	-1497.57	-6.72	1.96
166	13	56.75	-936.44	-3.16	0.25	-1497.57	-6.82	-0.52
166	13	75.00	-935.49	-33.62	0.22	-1704.40	-2.85	-1.73
166	14	38.50	-1249.60	4.32	0.40	-1945.57	-9.48	2.04
166	14	56.75	-1242.00	4.32	0.40	-1945.57	-9.63	-1.18
166	14	75.00	-1242.70	-36.30	0.41	-2112.08	-2.78	-2.09
166	15	38.50	-958.84	-2.90	0.26	-1520.49	-6.83	1.95
166	15	56.75	-952.61	-2.90	0.26	-1520.49	-6.93	-0.55
166	15	75.00	-951.75	-33.90	0.23	-1727.34	-2.77	-1.73
166	16	38.50	-1265.86	4.59	0.41	-1968.50	-9.58	2.03
166	16	56.75	-1258.18	4.59	0.41	-1968.50	-9.74	-1.21
166	16	75.00	-1258.97	-36.58	0.43	-2135.02	-2.70	-2.08
...								
166	203	75.00	-882.82	-27.23	0.24	-1527.83	-2.44	-1.50
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1267.12	-55.16	-33.72	-3467.21	-272.34	-67.02
			-571.33	65.90	28.28	83.73	261.48	84.46

Macro	Tipo	Angolo 1-Z (gradi)
167	**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
167	1	38.50	-896.72	-7.20	-1.16	-1414.47	28.52	-9.74
167	1	56.75	-890.83	-7.20	-1.16	-1414.47	28.64	-1.59
167	1	75.00	-891.60	-36.01	-0.57	-1640.27	13.19	3.99
167	2	38.50	-1194.80	-0.65	-1.06	-1848.34	34.16	-9.35
167	2	56.75	-1187.52	-0.65	-1.06	-1848.34	34.51	-2.79
167	2	75.00	-1190.50	-39.31	-0.20	-2035.90	22.56	2.99
167	3	38.50	-912.43	-6.93	-1.15	-1436.74	28.57	-9.63
167	3	56.75	-906.45	-6.93	-1.15	-1436.74	28.71	-1.60
167	3	75.00	-907.30	-36.27	-0.55	-1662.51	13.50	3.87
167	4	38.50	-1210.50	-0.39	-1.05	-1870.61	34.22	-9.24
167	4	56.75	-1203.14	-0.39	-1.05	-1870.61	34.58	-2.81
167	4	75.00	-1206.20	-39.57	-0.18	-2058.13	22.87	2.88
167	5	38.50	-896.20	-7.44	-1.05	-1416.18	27.31	-9.63
167	5	56.75	-890.36	-7.44	-1.05	-1416.18	27.41	-2.01
167	5	75.00	-891.49	-36.39	-0.41	-1640.09	14.21	3.96
167	6	38.50	-1194.28	-0.90	-0.95	-1850.05	32.96	-9.24
167	6	56.75	-1187.04	-0.90	-0.95	-1850.05	33.29	-3.22
167	6	75.00	-1190.39	-39.69	-0.04	-2035.71	23.58	2.97
167	7	38.50	-911.91	-7.18	-1.04	-1438.45	27.37	-9.52
167	7	56.75	-905.98	-7.18	-1.04	-1438.45	27.48	-2.02
167	7	75.00	-907.19	-36.64	-0.39	-1662.32	14.51	3.85
167	8	38.50	-1209.98	-0.63	-0.94	-1872.32	33.02	-9.13
167	8	56.75	-1202.67	-0.63	-0.94	-1872.32	33.36	-3.23
167	8	75.00	-1206.10	-39.95	-0.02	-2057.94	23.88	2.85
167	9	38.50	-935.98	-6.54	-1.14	-1470.15	28.66	-9.46
167	9	56.75	-929.89	-6.54	-1.14	-1470.15	28.81	-1.62
167	9	75.00	-930.86	-36.65	-0.52	-1695.85	13.96	3.70
167	10	38.50	-1234.06	8.45e-03	-1.04	-1904.02	34.30	-9.07
167	10	56.75	-1226.58	8.45e-03	-1.04	-1904.02	34.68	-2.83
167	10	75.00	-1229.76	-39.96	-0.15	-2091.48	23.32	2.70
167	11	38.50	-951.69	-6.27	-1.13	-1492.41	28.72	-9.35
167	11	56.75	-945.51	-6.27	-1.13	-1492.41	28.88	-1.64
167	11	75.00	-946.56	-36.91	-0.49	-1718.09	14.26	3.58
167	12	38.50	-1249.77	0.27	-1.03	-1926.28	34.36	-8.96
167	12	56.75	-1242.20	0.27	-1.03	-1926.28	34.75	-2.84
167	12	75.00	-1245.47	-40.21	-0.13	-2113.71	23.63	2.59
167	13	38.50	-935.46	-6.78	-1.03	-1471.85	27.46	-9.35
167	13	56.75	-929.41	-6.78	-1.03	-1471.85	27.58	-2.04
167	13	75.00	-930.75	-37.03	-0.36	-1695.67	14.97	3.67
167	14	38.50	-1233.54	-0.24	-0.93	-1905.72	33.10	-8.96
167	14	56.75	-1226.10	-0.24	-0.93	-1905.72	33.46	-3.25
167	14	75.00	-1229.65	-40.33	0.01	-2091.29	24.34	2.68
167	15	38.50	-951.17	-6.52	-1.02	-1494.12	27.51	-9.24
167	15	56.75	-945.03	-6.52	-1.02	-1494.12	27.65	-2.06
167	15	75.00	-946.45	-37.29	-0.34	-1717.90	15.28	3.56
167	16	38.50	-1249.24	0.03	-0.92	-1927.99	33.16	-8.85
167	16	56.75	-1241.72	0.03	-0.92	-1927.99	33.53	-3.26
167	16	75.00	-1245.36	-40.59	0.03	-2113.52	24.64	2.56
...								
167	203	75.00	-874.53	-30.09	-0.14	-1514.18	16.11	2.31
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1314.77	-103.90	-40.24	-4208.65	-304.87	-103.41
			-335.53	108.05	36.36	847.25	342.98	104.00

Macro	Tipo	Angolo 1-Z (gradi)
168	**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
168	1	38.50	-608.91	30.61	7.53	-3027.20	-112.37	119.01
168	1	56.75	-616.92	30.61	7.53	-3027.20	-108.61	-10.01
168	1	75.00	-592.06	-16.20	9.38	-2924.45	41.46	-45.77
168	2	38.50	-796.11	42.92	9.29	-3997.45	-141.79	130.23

168	2	56.75	-807.11	42.92	9.29	-3997.45	-137.65	-11.08
168	2	75.00	-776.28	-21.76	12.59	-3832.30	53.66	-53.73
168	3	38.50	-619.21	31.07	7.50	-3077.37	-112.08	119.25
168	3	56.75	-627.36	31.07	7.50	-3077.37	-108.29	-10.00
168	3	75.00	-602.34	-16.64	9.43	-2974.44	41.89	-46.02
168	4	38.50	-806.41	43.39	9.26	-4047.62	-141.50	130.47
168	4	56.75	-817.55	43.39	9.26	-4047.62	-137.33	-11.07
168	4	75.00	-786.56	-22.20	12.64	-3882.29	54.09	-53.99
168	5	38.50	-611.33	30.90	7.63	-3037.24	-113.12	119.57
168	5	56.75	-619.30	30.90	7.63	-3037.24	-109.36	-10.23
168	5	75.00	-593.90	-15.55	9.45	-2936.50	42.18	-45.94
168	6	38.50	-798.54	43.22	9.38	-4007.48	-142.54	130.79
168	6	56.75	-809.50	43.22	9.38	-4007.48	-138.40	-11.30
168	6	75.00	-778.12	-21.12	12.66	-3844.35	54.39	-53.91
168	7	38.50	-621.63	31.36	7.60	-3087.41	-112.83	119.81
168	7	56.75	-629.74	31.36	7.60	-3087.41	-109.04	-10.22
168	7	75.00	-604.18	-15.99	9.50	-2986.49	42.61	-46.20
168	8	38.50	-808.83	43.68	9.35	-4057.65	-142.25	131.03
168	8	56.75	-819.94	43.68	9.35	-4057.65	-138.08	-11.29
168	8	75.00	-788.41	-21.55	12.71	-3894.34	54.81	-54.16
168	9	38.50	-634.65	31.77	7.45	-3152.63	-111.64	119.61
168	9	56.75	-643.02	31.77	7.45	-3152.63	-107.82	-9.99
168	9	75.00	-617.77	-17.29	9.50	-3049.42	42.53	-46.41
168	10	38.50	-821.86	44.08	9.21	-4122.88	-141.07	130.83
168	10	56.75	-833.21	44.08	9.21	-4122.88	-136.85	-11.06
168	10	75.00	-801.99	-22.85	12.71	-3957.27	54.73	-54.37
168	11	38.50	-644.95	32.23	7.42	-3202.80	-111.35	119.85
168	11	56.75	-653.46	32.23	7.42	-3202.80	-107.50	-9.98
168	11	75.00	-628.05	-17.73	9.55	-3099.40	42.96	-46.66
168	12	38.50	-832.15	44.55	9.18	-4173.05	-140.78	131.07
168	12	56.75	-843.65	44.55	9.18	-4173.05	-136.54	-11.05
168	12	75.00	-812.27	-23.29	12.76	-4007.25	55.16	-54.63
168	13	38.50	-637.07	32.06	7.55	-3162.66	-112.39	120.17
168	13	56.75	-645.40	32.06	7.55	-3162.66	-108.57	-10.21
168	13	75.00	-619.61	-16.65	9.57	-3061.47	43.25	-46.58
168	14	38.50	-824.28	44.37	9.31	-4132.91	-141.81	131.39
168	14	56.75	-835.60	44.37	9.31	-4132.91	-137.60	-11.28
168	14	75.00	-803.83	-22.21	12.78	-3969.32	55.46	-54.55
168	15	38.50	-647.37	32.52	7.52	-3212.83	-112.10	120.41
168	15	56.75	-655.84	32.52	7.52	-3212.83	-108.25	-10.20
168	15	75.00	-629.89	-17.08	9.62	-3111.45	43.68	-46.84
168	16	38.50	-834.58	44.84	9.27	-4183.08	-141.52	131.63
168	16	56.75	-846.04	44.84	9.27	-4183.08	-137.29	-11.27
168	16	75.00	-814.12	-22.64	12.83	-4019.30	55.88	-54.80
...								
168	203	75.00	-573.59	-16.00	9.05	-2831.71	39.48	-40.00
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1211.87	-113.97	-15.73	-6903.74	-320.32	-109.69
			-24.32	158.35	39.74	358.52	261.48	183.72

Macro	Tipo	Angolo 1-X (gradi)
4	**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
4	1	22	1.01	0.85	0.96	0.90	6.74e-02	4.87e-02	-3.17	-0.68	-2.45	-1.35
4	1	23	0.85	-7.34e-02	0.85	-6.85e-02	6.74e-02	1.26	-0.98	-0.31	0.59	-1.03
4	1	25	0.52	0.11	0.29	0.34	-0.20	0.51	-0.16	1.98e-02	0.33	-0.29
4	1	26	0.44	2.65e-02	0.28	0.19	-0.20	0.91	-1.34e-02	7.87e-02	0.82	-0.28
4	1	28	0.36	0.17	0.27	0.26	-9.70e-02	8.70e-02	-6.82e-02	-2.17e-02	4.05e-02	7.11e-02
4	1	29	0.28	1.07e-02	0.24	5.13e-02	-9.70e-02	1.10e-02	-0.19	-4.24e-02	-0.13	8.76e-02
4	1	31	0.29	0.20	0.27	0.22	-3.80e-02	1.99e-02	-2.61e-02	-2.49e-02	1.88e-02	7.12e-03
4	1	32	0.25	-1.28e-02	0.24	-7.19e-03	-3.80e-02	1.69e-02	-2.52e-02	-2.52e-02	1.68e-02	-1.31e-03
4	1	34	0.28	0.25	0.28	0.25	9.02e-03	1.97e-02	-2.79e-02	-2.47e-02	1.66e-02	1.19e-02
4	1	35	0.25	-6.11e-03	0.25	-5.78e-03	9.02e-03	2.06e-02	-3.48e-02	-2.54e-02	1.12e-02	2.08e-02
4	1	37	0.38	0.22	0.28	0.33	7.69e-02	6.58e-02	-5.64e-02	-2.00e-02	2.94e-02	-5.59e-02
4	1	38	0.27	2.56e-02	0.25	5.22e-02	7.69e-02	-1.29e-02	-0.21	-4.47e-02	-0.18	-7.20e-02
4	1	40	1.01	0.86	0.97	0.90	-6.59e-02	5.66e-02	-3.16	-0.67	-2.43	1.35
4	1	41	0.86	-6.50e-02	0.86	-6.03e-02	-6.59e-02	1.25	-1.00	-0.32	0.57	1.03
4	1	43	0.55	0.15	0.31	0.39	0.20	0.51	-0.17	2.01e-02	0.32	0.31
4	1	44	0.44	3.46e-02	0.28	0.19	0.20	0.91	-2.23e-02	7.85e-02	0.80	0.29
4	1	78	0.73	0.42	0.51	0.64	0.14	8.05e-02	-1.00	-0.16	-0.77	0.45
4	1	79	0.49	1.75e-02	0.44	6.47e-02	0.14	0.71	-9.50e-02	6.78e-03	0.61	0.27
4	1	126	0.71	0.41	0.50	0.62	-0.14	6.80e-02	-1.00	-0.16	-0.77	-0.44
4	1	129	0.40	0.13	0.23	0.29	-0.13	5.18e-02	-0.14	-3.92e-02	-5.24e-02	9.74e-02
4	1	132	0.30	0.18	0.24	0.23	-6.31e-02	3.11e-02	-2.85e-02	4.40e-04	2.24e-03	2.98e-02
4	1	135	0.25	0.21	0.25	0.22	-1.52e-02	2.52e-02	-2.46e-02	-1.49e-02	1.55e-02	1.97e-02
4	1	138	0.31	0.23	0.25	0.28	3.42e-02	3.61e-03	-1.29e-02	2.01e-05	-9.33e-03	6.81e-03
4	1	141	0.43	0.17	0.25	0.35	0.12	2.75e-02	-0.13	-3.93e-02	-6.70e-02	-7.95e-02
4	1	143	0.48	1.21e-02	0.43	5.73e-02	-0.14	0.71	-8.34e-02	9.33e-03	0.61	-0.25
4	1	145	0.30	2.17e-02	0.21	0.11	-0.13	0.48	3.05e-03	2.24e-02	0.46	9.40e-02
4	1	147	0.23	-8.84e-03	0.22	8.89e-03	-6.31e-02	-2.84e-03	-0.11	-1.18e-02	-9.97e-02	2.95e-02
4	1	149	0.22	-1.67e-02	0.22	-1.57e-02	-1.52e-02	4.77e-02	-1.85e-02	-1.18e-02	4.11e-02	1.99e-02
4	1	151	0.23	5.29e-03	0.22	1.07e-02	3.42e-02	-1.16e-02	-0.11	-1.23e-02	-0.11	8.41e-03
4	1	153	0.30	3.65e-02	0.22	0.12	0.12	0.46	9.04e-03	2.25e-02	0.45	-7.67e-02
4	2	22	1.44	1.28	1.35	1.37	7.91e-02	-0.31	-4.41	-1.03	-3.69	-1.56
4	2	23	1.19	-4.26e-02	1.18	-3.74e-02	7.91e-02	0.41	-1.70	-0.66	-0.63	-1.05
4	2	25	0.85	0.32	0.55	0.61	-0.26	0.74	-0.22	5.89e-02	0.46	-0.43
4	2	26	0.69	0.12	0.51	0.29	-0.26	1.34	1.86e-03	0.15	1.20	-0.42
4	2	28	0.63	0.39	0.52	0.50	-0.12	0.12	-7.55e-02	4.30e-03	4.50e-02	9.81e-02
4	2	29	0.51	8.14e-02	0.47	0.12	-0.12	2.54e-02	-0.29	-2.95e-02	-0.24	0.12
4	2	31	0.54	0.42	0.52	0.43	-4.42e-02	2.39e-02	-8.96e-04	5.63e-05	2.29e-02	4.76e-03
4	2	32	0.48	4.34e-02	0.48	4.79e-02	-4.42e-02	1.34e-02	-4.66e-03	-1.47e-03	1.02e-02	-6.88e-03

4	2	34	0.53	0.45	0.53	0.46	1.53e-02	2.80e-02	-7.05e-03	2.34e-04	2.07e-02	1.42e-02
4	2	35	0.48	4.87e-02	0.48	4.93e-02	1.53e-02	2.79e-02	-2.51e-02	-1.71e-03	4.54e-03	2.63e-02
4	2	37	0.65	0.45	0.53	0.57	0.10	0.10	-6.41e-02	5.98e-03	3.38e-02	-8.29e-02
4	2	38	0.51	9.33e-02	0.48	0.12	0.10	6.27e-03	-0.32	-3.18e-02	-0.28	-0.10
4	2	40	1.44	1.29	1.36	1.37	-7.76e-02	-0.30	-4.39	-1.02	-3.67	1.56
4	2	41	1.20	-3.42e-02	1.19	-2.93e-02	-7.76e-02	0.40	-1.72	-0.66	-0.66	1.06
4	2	43	0.87	0.35	0.56	0.66	0.26	0.74	-0.23	5.92e-02	0.45	0.45
4	2	44	0.69	0.12	0.52	0.29	0.26	1.34	-7.40e-03	0.15	1.18	0.43
4	2	78	1.12	0.65	0.77	1.00	0.20	7.20e-02	-1.48	-0.22	-1.18	0.61
4	2	79	0.73	5.91e-02	0.67	0.13	0.20	0.35	-0.30	-6.45e-02	0.11	0.31
...												
4	203	153	0.34	6.34e-02	0.28	0.13	0.12	0.49	2.21e-03	2.26e-02	0.47	-9.80e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-13.56	-4.65	-13.29	-3.95		-18.82	-2.60	-18.76	-4.29
			13.53		6.48	13.39	3.97	19.60		1.34	19.06	4.30

Macro	Tipo	Angolo 1-X (gradi)
5	**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
5	1	50	0.77	5.40e-02	0.73	9.01e-02	-0.16	0.25	-0.50	2.04e-02	-0.27	-0.35
5	1	69	0.77	0.10	0.73	0.14	0.16	0.25	-0.50	1.57e-02	-0.26	0.35
5	1	70	0.78	0.22	0.77	0.24	7.94e-02	7.86e-03	-3.36e-03	-3.33e-03	7.83e-03	-6.11e-04
5	1	71	0.78	0.29	0.78	0.29	3.70e-02	5.07e-02	-2.94e-02	-6.99e-03	2.83e-02	3.60e-02
5	1	72	0.78	0.27	0.78	0.27	-7.41e-03	2.27e-02	-6.47e-03	-6.46e-03	2.27e-02	4.97e-04
5	1	73	0.77	0.17	0.77	0.17	-5.89e-02	1.87e-02	-3.64e-02	-9.32e-04	-1.68e-02	2.64e-02
5	1	74	1.00	0.33	0.78	0.56	0.32	2.19	-0.13	0.53	1.52	1.05
5	1	77	1.01	0.32	0.79	0.54	-0.32	2.18	-0.14	0.53	1.52	-1.05
5	1	83	0.55	0.14	0.40	0.28	-0.20	1.01	-0.21	0.31	0.49	-0.61
5	1	84	0.46	-6.98e-02	0.37	1.75e-02	-0.20	0.42	-0.74	0.19	-0.51	-0.46
5	1	85	0.77	5.10e-02	0.73	8.70e-02	-0.16	1.79e-02	-1.09	-6.70e-02	-1.00	-0.29
5	1	86	0.85	-0.11	0.73	1.45e-02	-0.32	1.14	-0.79	0.35	2.27e-03	-0.95
5	1	90	0.84	-0.10	0.71	1.85e-02	0.32	1.14	-0.79	0.34	-1.03e-03	0.95
5	1	95	0.76	5.31e-02	0.72	9.15e-02	0.16	2.48e-02	-1.03	-6.53e-02	-0.94	0.29
5	1	100	0.76	6.87e-02	0.75	7.80e-02	7.94e-02	0.14	7.57e-03	1.23e-02	0.14	-2.48e-02
5	1	105	0.75	9.93e-02	0.75	0.10	3.70e-02	2.33e-02	-6.29e-02	-1.35e-02	-2.61e-02	4.26e-02
5	1	110	0.76	9.88e-02	0.76	9.89e-02	-7.41e-03	-1.19e-02	-3.10e-02	-1.28e-02	-3.00e-02	-4.08e-03
5	1	115	0.76	6.87e-02	0.75	7.37e-02	-5.89e-02	0.11	-1.85e-02	1.03e-02	7.67e-02	5.24e-02
5	1	127	0.55	0.16	0.40	0.31	0.19	1.02	-0.20	0.31	0.51	0.60
5	1	130	0.60	0.13	0.58	0.15	9.72e-02	0.14	1.44e-02	0.14	2.01e-02	2.66e-02
5	1	133	0.62	0.25	0.61	0.26	5.71e-02	0.13	-5.19e-03	9.10e-02	3.07e-02	5.87e-02
5	1	136	0.61	0.27	0.61	0.27	1.50e-02	0.11	1.47e-02	0.10	2.30e-02	2.71e-02
5	1	139	0.61	0.21	0.61	0.21	-2.90e-02	9.44e-02	2.17e-02	9.41e-02	2.20e-02	-5.17e-03
5	1	142	0.60	7.29e-02	0.59	8.70e-02	-8.51e-02	0.14	7.41e-03	0.14	7.43e-03	1.76e-03
5	1	155	0.60	3.37e-02	0.58	4.69e-02	-8.51e-02	9.07e-02	-0.45	8.92e-02	-0.45	2.77e-02
5	1	157	0.60	6.59e-02	0.60	6.75e-02	-2.90e-02	0.10	8.95e-02	0.10	8.95e-02	-6.95e-05
5	1	159	0.59	8.48e-02	0.59	8.53e-02	1.50e-02	0.10	-3.38e-02	9.73e-02	-2.79e-02	2.77e-02
5	1	161	0.60	6.58e-02	0.59	7.20e-02	5.71e-02	0.16	4.89e-02	0.10	0.11	5.57e-02
5	1	163	0.59	3.53e-02	0.57	5.29e-02	9.72e-02	8.64e-02	-0.41	8.64e-02	-0.41	9.88e-04
5	1	165	0.45	-6.49e-02	0.36	2.21e-02	0.19	0.41	-0.72	0.18	-0.49	0.45
5	2	50	0.93	1.48e-02	0.88	6.37e-02	-0.21	0.36	-0.81	1.16e-02	-0.46	-0.54
5	2	69	0.93	6.21e-02	0.88	0.12	0.21	0.36	-0.81	6.94e-03	-0.45	0.54
5	2	70	0.94	0.23	0.93	0.24	9.72e-02	-1.06e-02	-1.81e-02	-1.12e-02	-1.75e-02	-2.04e-03
5	2	71	0.95	0.34	0.94	0.34	4.32e-02	4.97e-02	-4.91e-02	-1.67e-02	1.74e-02	4.64e-02
5	2	72	0.95	0.32	0.95	0.32	-1.35e-02	1.49e-02	-1.93e-02	-1.62e-02	1.18e-02	-9.90e-03
5	2	73	0.93	0.17	0.93	0.18	-7.67e-02	6.99e-03	-5.79e-02	-8.79e-03	-4.21e-02	2.78e-02
5	2	74	1.38	0.52	1.05	0.86	0.42	3.35	-6.67e-02	0.78	2.51	1.47
5	2	77	1.39	0.51	1.06	0.84	-0.42	3.35	-6.91e-02	0.78	2.50	-1.47
5	2	83	0.74	0.20	0.52	0.42	-0.27	1.54	-0.34	0.41	0.79	-0.92
5	2	84	0.59	-0.13	0.47	-3.66e-03	-0.27	0.69	-0.91	0.26	-0.47	-0.71
5	2	85	0.94	6.60e-02	0.89	0.12	-0.21	1.63e-02	-1.74	-0.12	-1.60	-0.48
5	2	86	1.11	-0.20	0.95	-4.80e-02	-0.42	1.98	-0.66	0.57	0.75	-1.31
5	2	90	1.09	-0.20	0.94	-4.40e-02	0.42	1.97	-0.65	0.57	0.75	1.31
5	2	95	0.93	6.78e-02	0.88	0.12	0.21	2.34e-02	-1.68	-0.12	-1.53	0.48
5	2	100	0.92	6.76e-02	0.91	7.89e-02	9.72e-02	0.18	2.87e-03	1.11e-02	0.17	-3.70e-02
5	2	105	0.92	9.81e-02	0.92	0.10	4.32e-02	1.28e-02	-0.10	-2.66e-02	-6.49e-02	5.53e-02
5	2	110	0.92	9.77e-02	0.92	9.79e-02	-1.35e-02	-2.01e-02	-7.47e-02	-2.59e-02	-6.89e-02	-1.68e-02
5	2	115	0.92	6.77e-02	0.91	7.47e-02	-7.67e-02	0.14	-2.29e-02	9.13e-03	0.11	6.46e-02
...												
5	203	165	0.44	-7.91e-02	0.35	1.01e-02	0.19	0.48	-0.67	0.19	-0.37	0.50
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-12.65	-4.89	-11.90	-3.45		-16.37	-1.60	-16.20	-3.94
			12.39		6.33	11.70	3.43	17.49		2.60	17.47	3.90

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	1	23	1.25	-0.12	1.12	3.80e-03	-0.39	0.95	-1.40	-0.65	0.21	1.09
6	1	24	1.31	0.14	1.16	0.29	-0.39	-0.31	-7.74	-1.47	-6.58	2.70
6	1	26	0.56	0.17	0.54	0.18	-8.50e-02	0.55	0.27	0.40	0.42	-0.14
6	1	27	0.51	-0.23	0.50	-0.22	-8.50e-02	0.84	0.40	0.45	0.80	-0.14
6	1	29	0.52	7.91e-02	0.52	7.95e-02	-1.33e-02	0.34	-2.36e-02	0.34	-1.78e-02	4.56e-02
6	1	30	0.48	-0.23	0.48	-0.23	-1.33e-02	0.33	-0.12	0.32	-0.12	4.98e-02

6	1	32	0.52	3.46e-02	0.52	3.49e-02	-1.19e-02	0.34	5.01e-02	0.34	5.01e-02	-3.10e-03
6	1	33	0.49	-0.22	0.49	-0.22	-1.19e-02	0.34	5.14e-02	0.34	5.14e-02	-2.66e-03
6	1	35	0.53	3.64e-02	0.53	3.65e-02	-7.88e-03	0.34	4.70e-02	0.34	4.75e-02	1.24e-02
6	1	36	0.50	-0.23	0.50	-0.23	-7.88e-03	0.34	4.68e-02	0.34	4.73e-02	1.21e-02
6	1	38	0.54	8.17e-02	0.54	8.17e-02	2.37e-03	0.34	-4.21e-02	0.33	-3.80e-02	-3.89e-02
6	1	39	0.50	-0.27	0.50	-0.27	2.37e-03	0.32	-0.15	0.32	-0.15	-4.32e-02
6	1	41	1.27	-0.12	1.14	1.14e-02	0.40	0.94	-1.41	-0.67	0.19	-1.09
6	1	42	1.33	0.13	1.17	0.28	0.40	-0.32	-7.77	-1.48	-6.60	-2.71
6	1	44	0.58	0.17	0.56	0.19	8.78e-02	0.55	0.26	0.40	0.41	0.14
6	1	45	0.52	-0.26	0.51	-0.25	8.78e-02	0.82	0.39	0.44	0.77	0.14
6	1	79	0.50	-7.46e-02	0.37	5.32e-02	0.24	1.02	0.35	0.98	0.39	0.17
6	1	82	0.48	-0.14	0.36	-2.15e-02	0.24	0.61	-3.00	0.57	-2.97	-0.35
6	1	143	0.49	-7.37e-02	0.36	4.77e-02	-0.23	1.03	0.35	0.99	0.40	-0.17
6	1	144	0.47	-0.11	0.36	-1.24e-03	-0.23	0.62	-2.99	0.58	-2.96	0.34
6	1	145	0.23	9.30e-02	0.23	9.42e-02	-1.24e-02	0.99	0.32	0.99	0.33	4.98e-02
6	1	146	0.18	-0.29	0.18	-0.29	-1.24e-02	1.03	0.61	1.02	0.61	4.36e-02
6	1	147	0.22	1.30e-02	0.22	1.37e-02	-1.21e-02	0.97	7.09e-02	0.97	7.11e-02	1.29e-02
6	1	148	0.19	-0.26	0.19	-0.26	-1.21e-02	0.96	3.65e-03	0.96	3.81e-03	1.24e-02
6	1	149	0.23	-5.46e-03	0.23	-5.03e-03	-9.97e-03	0.97	0.14	0.97	0.14	9.35e-03
6	1	150	0.20	-0.26	0.20	-0.26	-9.97e-03	0.98	0.16	0.98	0.16	9.27e-03
6	1	151	0.23	1.54e-02	0.23	1.56e-02	-5.30e-03	0.97	6.56e-02	0.97	6.56e-02	5.00e-03
6	1	152	0.19	-0.28	0.19	-0.28	-5.30e-03	0.96	-3.92e-03	0.96	-3.90e-03	4.74e-03
6	1	153	0.24	9.60e-02	0.24	9.66e-02	9.10e-03	0.99	0.32	0.99	0.32	-4.02e-02
6	1	154	0.19	-0.32	0.19	-0.32	9.10e-03	1.02	0.60	1.02	0.60	-3.38e-02
6	2	23	1.71	-0.12	1.54	4.71e-02	-0.52	0.58	-1.94	-0.99	-0.37	1.22
6	2	24	1.76	0.13	1.57	0.32	-0.52	-0.56	-8.75	-1.84	-7.46	2.98
6	2	26	0.88	0.26	0.86	0.28	-0.11	0.67	0.28	0.37	0.58	-0.16
6	2	27	0.80	-0.35	0.79	-0.33	-0.11	0.84	0.39	0.40	0.83	-5.77e-02
6	2	29	0.83	0.15	0.83	0.15	-1.43e-02	0.29	-8.14e-02	0.28	-7.21e-02	5.86e-02
6	2	30	0.77	-0.33	0.77	-0.33	-1.43e-02	0.28	-0.18	0.27	-0.18	5.24e-02
6	2	32	0.84	9.30e-02	0.84	9.32e-02	-1.13e-02	0.30	4.02e-02	0.30	4.03e-02	-4.98e-03
6	2	33	0.79	-0.31	0.79	-0.31	-1.13e-02	0.30	3.43e-02	0.30	3.43e-02	-1.76e-03
6	2	35	0.84	9.47e-02	0.84	9.48e-02	-8.45e-03	0.30	3.69e-02	0.30	3.77e-02	1.43e-02
6	2	36	0.79	-0.32	0.79	-0.32	-8.45e-03	0.30	2.97e-02	0.30	3.02e-02	1.11e-02
6	2	38	0.85	0.15	0.85	0.15	3.40e-03	0.29	-9.94e-02	0.28	-9.23e-02	-5.19e-02
6	2	39	0.79	-0.37	0.79	-0.37	3.40e-03	0.27	-0.21	0.27	-0.21	-4.58e-02
6	2	41	1.73	-0.12	1.56	5.46e-02	0.53	0.56	-1.96	-1.01	-0.38	-1.22
6	2	42	1.78	0.11	1.59	0.31	0.53	-0.57	-8.77	-1.86	-7.48	-2.99
6	2	44	0.90	0.26	0.88	0.28	0.11	0.66	0.28	0.37	0.57	0.16
6	2	45	0.81	-0.38	0.80	-0.37	0.11	0.81	0.39	0.39	0.81	5.65e-02
6	2	79	0.69	-4.81e-02	0.54	0.10	0.30	0.85	0.13	0.83	0.15	0.11
6	2	82	0.64	-0.21	0.52	-9.06e-02	0.30	0.46	-3.55	0.39	-3.48	-0.52
...												
6	203	154	0.23	-0.33	0.23	-0.33	1.11e-02	0.85	0.51	0.85	0.52	-3.42e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-10.82	-3.73	-10.40	-2.28		-13.46	-3.27	-13.25	-4.08
			10.80		6.08	10.58	2.30	9.19		2.19	8.71	4.07

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	1	63	1.00	-0.15	0.99	-0.13	0.13	0.16	-0.55	0.16	-0.55	4.58e-02
7	1	64	1.03	3.32e-02	1.03	3.40e-02	2.88e-02	0.26	0.13	0.26	0.13	-9.23e-04
7	1	65	1.04	5.53e-02	1.04	5.55e-02	1.36e-02	0.25	-1.24e-02	0.25	-1.09e-02	1.99e-02
7	1	66	1.05	7.00e-02	1.05	7.00e-02	5.44e-03	0.25	-1.41e-02	0.25	-1.40e-02	-4.36e-03
7	1	67	1.05	7.08e-02	1.05	7.11e-02	-1.82e-02	0.25	8.11e-02	0.25	8.21e-02	1.29e-02
7	1	68	1.02	-0.12	1.01	-9.97e-02	-0.13	0.16	-0.59	0.15	-0.59	-3.73e-02
7	1	75	0.97	-0.34	0.97	-0.34	-7.50e-02	2.16	0.53	0.89	1.81	-0.67
7	1	76	1.00	-0.33	0.99	-0.33	7.18e-02	2.16	0.54	0.90	1.79	0.68
7	1	84	0.63	-8.59e-03	0.57	4.76e-02	-0.18	0.14	-0.30	7.96e-02	-0.23	-0.15
7	1	85	1.05	0.10	1.04	0.12	-0.13	0.19	-0.45	0.17	-0.43	-0.10
7	1	86	1.04	6.34e-02	1.04	6.87e-02	7.18e-02	0.71	5.02e-02	0.70	6.59e-02	0.10
7	1	87	0.56	-0.36	0.53	-0.32	-0.18	0.60	0.16	0.18	0.58	8.07e-02
7	1	90	1.02	6.44e-02	1.02	7.03e-02	-7.50e-02	0.70	4.62e-02	0.68	6.27e-02	-0.10
7	1	95	1.04	0.11	1.02	0.13	0.13	0.20	-0.42	0.18	-0.40	0.11
7	1	100	1.04	0.12	1.04	0.12	2.88e-02	0.26	9.19e-02	0.26	9.30e-02	-1.40e-02
7	1	105	1.05	0.13	1.05	0.13	1.36e-02	0.26	1.77e-02	0.26	1.95e-02	2.05e-02
7	1	110	1.06	0.13	1.06	0.13	5.44e-03	0.25	1.75e-02	0.25	1.76e-02	-3.38e-03
7	1	115	1.05	0.11	1.05	0.11	-1.82e-02	0.25	6.07e-02	0.25	6.45e-02	2.69e-02
7	1	155	0.49	3.66e-02	0.49	4.07e-02	-4.31e-02	-4.95e-02	-0.22	-4.95e-02	-0.22	5.62e-04
7	1	156	0.48	-3.28e-02	0.48	-2.92e-02	-4.31e-02	-6.58e-02	-0.36	-6.61e-02	-0.36	-9.00e-03
7	1	157	0.50	5.69e-02	0.50	5.69e-02	2.77e-04	3.64e-02	8.82e-03	9.00e-03	3.62e-02	-2.24e-03
7	1	158	0.49	6.63e-03	0.49	6.64e-03	2.77e-04	7.91e-02	1.34e-02	1.41e-02	7.84e-02	-6.79e-03
7	1	159	0.50	7.08e-02	0.50	7.11e-02	1.05e-02	1.09e-02	-2.38e-02	4.53e-03	-1.75e-02	1.34e-02
7	1	160	0.49	-4.69e-03	0.49	-4.47e-03	1.05e-02	4.28e-03	-5.08e-02	9.34e-04	-4.74e-02	1.31e-02
7	1	161	0.50	6.00e-02	0.50	6.08e-02	1.85e-02	6.23e-02	-3.03e-03	1.34e-02	4.58e-02	2.84e-02
7	1	162	0.49	-2.07e-02	0.49	-2.01e-02	1.85e-02	0.10	7.05e-03	1.89e-02	9.13e-02	3.16e-02
7	1	163	0.49	4.09e-02	0.48	4.58e-02	4.65e-02	-4.11e-02	-0.20	-4.21e-02	-0.20	1.23e-02
7	1	164	0.47	-6.95e-02	0.47	-6.55e-02	4.65e-02	-5.60e-02	-0.33	-5.78e-02	-0.33	2.21e-02
7	1	165	0.61	-2.36e-03	0.56	5.06e-02	0.17	0.14	-0.29	7.36e-02	-0.23	0.15
7	1	166	0.55	-0.38	0.51	-0.34	0.17	0.61	0.16	0.17	0.60	-6.98e-02
7	2	63	1.22	-0.21	1.19	-0.19	0.17	7.44e-02	-0.76	7.43e-02	-0.76	-4.34e-03
7	2	64	1.26	3.29e-02	1.26	3.39e-02	3.59e-02	0.21	0.12	0.20	0.12	9.85e-03
7	2	65	1.27	5.40e-02	1.27	5.41e-02	1.36e-02	0.20	-5.05e-02	0.20	-4.84e-02	2.29e-02
7	2	66	1.28	6.86e-02	1.28	6.87e-02	5.45e-03	0.19	-5.18e-02	0.19	-5.16e-02	-7.34e-03
7	2	67	1.27	7.05e-02	1.27	7.11e-02	-2.53e-02	0.20	6.90e-02	0.20	6.90e-02	2.09e-03
7	2	68	1.24	-0.18	1.21	-0.15	-0.18	6.72e-02	-0.80	6.71e-02	-0.79	1.28e-02
7	2	75	1.29	-0.41	1.28	-0.40	-0.11	2.87	0.71	1.18	2.40	-0.89
7	2	76	1.31	-0.40	1.30	-0.39	0.10	2.87	0.71	1.19	2.38	0.90
7	2	84	0.79	-2.34e-02	0.73	4.10e-02	-0.22	0.15	-0.31	6.30e-02	-0.22	-0.18
7	2	85	1.28	0.13	1.25	0.16	-0.18	0.10	-0.74	7.72e-02	-0.71	-0.14

7	2	86	1.36	3.00e-02	1.35	3.79e-02	0.10	0.97	0.41	0.96	0.43	8.44e-02
7	2	87	0.72	-0.45	0.67	-0.41	-0.22	0.80	0.12	0.18	0.74	0.19
7	2	90	1.34	3.09e-02	1.33	3.95e-02	-0.11	0.96	0.41	0.95	0.42	-8.61e-02
7	2	95	1.26	0.13	1.24	0.16	0.17	0.11	-0.71	8.34e-02	-0.68	0.14
7	2	100	1.27	0.13	1.27	0.13	3.59e-02	0.21	9.75e-02	0.20	0.10	-1.75e-02
7	2	105	1.29	0.15	1.29	0.15	1.36e-02	0.20	-7.17e-03	0.20	-4.03e-03	2.55e-02
7	2	110	1.29	0.15	1.29	0.15	5.45e-03	0.20	-6.30e-03	0.20	-5.96e-03	-8.35e-03
7	2	115	1.28	0.13	1.28	0.13	-2.53e-02	0.20	6.48e-02	0.20	7.18e-02	3.04e-02
...												
7	203	166	0.52	-0.34	0.49	-0.32	0.16	0.58	9.95e-02	0.13	0.54	-0.12
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-9.62	-2.26	-9.41	-1.76		-7.53	-0.94	-7.34	-2.01
			9.38		4.43	9.21	1.69	10.30		1.99	10.30	2.02

Macro	Tipo	Angolo 1-X (gradi)
22	**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
22	1	167	0.82	0.78	0.81	0.78	1.55e-02	3.50e-02	-2.70	-0.57	-2.10	-1.14
22	1	168	0.71	-6.37e-02	0.71	-6.34e-02	1.55e-02	1.25	-0.70	-0.22	0.77	-0.84
22	1	170	0.51	4.08e-02	0.20	0.35	-0.22	0.38	-0.11	2.19e-02	0.25	-0.22
22	1	171	0.39	-5.25e-02	0.18	0.16	-0.22	0.64	-1.64e-02	5.97e-02	0.56	-0.21
22	1	173	0.33	9.13e-02	0.17	0.25	-0.11	8.95e-02	-6.73e-02	-1.77e-02	3.99e-02	7.29e-02
22	1	174	0.22	-3.11e-02	0.15	3.83e-02	-0.11	1.97e-02	-0.17	-3.62e-02	-0.11	8.63e-02
22	1	176	0.22	0.13	0.17	0.18	-4.73e-02	3.33e-02	-2.53e-02	-2.08e-02	2.88e-02	1.56e-02
22	1	177	0.16	-3.28e-02	0.15	-2.02e-02	-4.73e-02	1.59e-02	-2.41e-02	-2.25e-02	1.44e-02	7.72e-03
22	1	179	0.22	0.17	0.18	0.22	4.55e-03	3.04e-02	-2.54e-02	-2.07e-02	2.57e-02	1.54e-02
22	1	180	0.15	-1.79e-02	0.15	-1.77e-02	4.55e-03	2.28e-02	-3.56e-02	-2.26e-02	9.77e-03	2.43e-02
22	1	182	0.37	0.15	0.19	0.34	8.12e-02	5.50e-02	-4.88e-02	-1.50e-02	2.12e-02	-4.87e-02
22	1	183	0.19	-3.03e-03	0.15	3.96e-02	8.12e-02	-1.67e-02	-0.20	-3.93e-02	-0.18	-6.11e-02
22	1	185	0.82	0.79	0.82	0.79	-1.06e-02	4.43e-02	-2.68	-0.56	-2.07	1.13
22	1	186	0.72	-5.19e-02	0.72	-5.18e-02	-1.06e-02	1.23	-0.71	-0.23	0.75	0.84
22	1	188	0.56	7.70e-02	0.22	0.42	0.22	0.38	-0.13	2.32e-02	0.23	0.23
22	1	189	0.40	-4.37e-02	0.19	0.16	0.22	0.62	-3.12e-02	5.87e-02	0.53	0.22
22	1	223	0.71	0.33	0.44	0.60	0.18	3.11e-02	-0.78	-9.78e-02	-0.65	0.30
22	1	224	0.45	-1.98e-02	0.38	5.89e-02	0.18	0.56	5.17e-03	4.38e-02	0.53	0.14
22	1	271	0.68	0.31	0.43	0.57	-0.17	1.96e-02	-0.78	-9.81e-02	-0.66	-0.28
22	1	274	0.39	6.24e-02	0.16	0.29	-0.15	7.73e-02	-0.15	-1.50e-02	-5.76e-02	0.11
22	1	277	0.26	0.10	0.16	0.20	-7.45e-02	5.96e-02	-3.44e-02	1.96e-02	5.55e-03	4.65e-02
22	1	280	0.19	0.14	0.16	0.18	-2.20e-02	4.30e-02	-1.75e-02	5.47e-03	2.00e-02	2.94e-02
22	1	283	0.28	0.16	0.17	0.27	3.13e-02	2.26e-02	-1.31e-02	1.97e-02	-1.02e-02	9.83e-03
22	1	286	0.45	0.11	0.17	0.39	0.13	4.41e-02	-0.14	-1.37e-02	-7.91e-02	-8.43e-02
22	1	288	0.44	-2.45e-02	0.36	4.86e-02	-0.17	0.57	1.41e-02	4.60e-02	0.54	-0.13
22	1	290	0.26	-3.32e-02	0.13	9.74e-02	-0.15	0.40	6.00e-03	3.61e-02	0.37	0.10
22	1	292	0.16	-3.56e-02	0.13	-2.35e-03	-7.45e-02	2.77e-02	-0.10	8.97e-03	-8.29e-02	4.56e-02
22	1	294	0.14	-3.03e-02	0.13	-2.74e-02	-2.20e-02	5.79e-02	-9.61e-03	7.91e-03	4.04e-02	2.96e-02
22	1	296	0.14	-6.19e-03	0.13	7.64e-04	3.13e-02	1.02e-02	-0.10	8.73e-03	-0.10	1.30e-02
22	1	298	0.25	-1.18e-02	0.14	0.10	0.13	0.36	1.82e-02	3.69e-02	0.34	-7.78e-02
22	2	167	1.20	1.14	1.14	1.19	9.64e-03	-0.31	-3.69	-0.87	-3.14	-1.25
22	2	168	1.00	-2.68e-02	1.00	-2.67e-02	9.64e-03	0.33	-1.24	-0.54	-0.37	-0.78
22	2	170	0.83	0.22	0.42	0.63	-0.29	0.55	-0.15	5.73e-02	0.33	-0.32
22	2	171	0.61	2.03e-02	0.38	0.25	-0.29	0.96	-3.95e-03	0.12	0.84	-0.32
22	2	173	0.59	0.29	0.39	0.49	-0.14	0.12	-8.25e-02	5.52e-03	3.43e-02	0.10
22	2	174	0.40	4.21e-02	0.34	0.11	-0.14	3.02e-02	-0.28	-2.56e-02	-0.22	0.12
22	2	176	0.44	0.33	0.38	0.39	-5.45e-02	3.62e-02	-4.63e-03	1.66e-03	2.99e-02	1.48e-02
22	2	177	0.35	2.78e-02	0.34	3.73e-02	-5.45e-02	1.75e-03	-5.85e-03	-2.16e-03	-1.94e-03	3.80e-03
22	2	179	0.43	0.38	0.39	0.42	1.17e-02	3.49e-02	-6.26e-03	1.75e-03	2.69e-02	1.63e-02
22	2	180	0.34	3.94e-02	0.34	3.98e-02	1.17e-02	2.39e-02	-3.27e-02	-2.26e-03	-6.56e-03	2.82e-02
22	2	182	0.64	0.35	0.40	0.59	0.11	8.92e-02	-6.53e-02	8.25e-03	1.56e-02	-7.71e-02
22	2	183	0.39	6.56e-02	0.34	0.11	0.11	1.34e-03	-0.32	-2.87e-02	-0.29	-9.40e-02
22	2	185	1.20	1.15	1.15	1.20	-4.80e-03	-0.30	-3.67	-0.86	-3.11	1.25
22	2	186	1.00	-1.51e-02	1.00	-1.50e-02	-4.80e-03	0.32	-1.25	-0.54	-0.39	0.78
22	2	188	0.88	0.25	0.44	0.70	0.29	0.55	-0.17	5.86e-02	0.32	0.34
22	2	189	0.62	2.88e-02	0.39	0.26	0.29	0.94	-1.92e-02	0.12	0.80	0.33
22	2	223	1.08	0.53	0.67	0.94	0.25	1.71e-02	-1.17	-0.14	-1.02	0.40
22	2	224	0.68	1.21e-02	0.57	0.12	0.25	0.13	-0.15	-1.41e-02	-2.68e-03	0.14
...												
22	203	298	0.29	2.69e-02	0.20	0.12	0.13	0.40	6.73e-03	3.51e-02	0.37	-0.10
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-12.19	-4.41	-12.00	-3.80		-17.27	-2.14	-17.23	-4.08
			12.18		5.95	12.04	3.83	18.12		1.36	17.78	4.06

Macro	Tipo	Angolo 1-X (gradi)
23	**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
23	1	195	0.68	-7.79e-02	0.63	-2.92e-02	-0.19	0.22	-0.45	2.10e-02	-0.25	-0.31
23	1	214	0.69	-6.26e-03	0.63	5.05e-02	0.19	0.23	-0.44	1.47e-02	-0.23	0.31
23	1	215	0.69	0.15	0.67	0.17	9.65e-02	1.66e-02	-1.47e-02	-4.68e-03	6.53e-03	1.46e-02
23	1	216	0.69	0.24	0.68	0.24	4.67e-02	5.82e-02	-3.43e-02	-8.92e-03	3.27e-02	4.13e-02
23	1	217	0.68	0.21	0.68	0.21	-3.34e-03	2.96e-02	-9.74e-03	-8.09e-03	2.79e-02	7.88e-03
23	1	218	0.68	6.51e-02	0.67	7.24e-02	-6.67e-02	1.12e-02	-3.84e-02	-7.23e-04	-2.64e-02	2.12e-02
23	1	219	0.83	0.19	0.61	0.41	0.31	1.75	-0.16	0.42	1.18	0.88
23	1	222	0.84	0.16	0.62	0.38	-0.31	1.75	-0.16	0.42	1.17	-0.88

23	1	228	0.46	-1.55e-02	0.29	0.15	-0.22	0.85	-0.24	0.24	0.36	-0.54
23	1	229	0.40	-0.12	0.28	6.76e-03	-0.22	0.37	-0.67	0.15	-0.45	-0.43
23	1	230	0.70	8.60e-03	0.64	6.31e-02	-0.19	2.08e-02	-0.99	-5.82e-02	-0.91	-0.27
23	1	231	0.72	-0.13	0.58	1.19e-02	-0.31	0.99	-0.63	0.28	6.80e-02	-0.80
23	1	235	0.70	-0.12	0.57	1.82e-02	0.31	0.98	-0.63	0.28	5.98e-02	0.80
23	1	240	0.69	1.16e-02	0.63	6.97e-02	0.19	3.07e-02	-0.90	-5.59e-02	-0.82	0.27
23	1	245	0.68	5.48e-02	0.66	7.01e-02	9.65e-02	0.11	6.45e-03	7.35e-03	0.11	-9.54e-03
23	1	250	0.67	9.61e-02	0.67	9.99e-02	4.67e-02	2.86e-02	-6.54e-02	-1.54e-02	-2.14e-02	4.69e-02
23	1	255	0.67	9.63e-02	0.67	9.63e-02	-3.34e-03	-1.06e-02	-2.15e-02	-1.37e-02	-1.84e-02	4.91e-03
23	1	260	0.68	5.72e-02	0.67	6.44e-02	-6.67e-02	5.84e-02	-3.82e-02	4.35e-03	1.58e-02	4.80e-02
23	1	272	0.47	2.27e-02	0.29	0.20	0.22	0.85	-0.23	0.24	0.38	0.54
23	1	275	0.53	3.65e-02	0.50	6.66e-02	0.12	0.14	-1.43e-02	0.12	4.55e-03	5.00e-02
23	1	278	0.54	0.19	0.53	0.20	6.96e-02	0.12	-2.35e-02	7.26e-02	2.74e-02	7.00e-02
23	1	281	0.54	0.22	0.53	0.22	2.17e-02	0.10	6.91e-03	8.36e-02	2.50e-02	3.72e-02
23	1	284	0.53	0.13	0.53	0.13	-2.76e-02	7.71e-02	1.39e-02	7.64e-02	1.46e-02	6.65e-03
23	1	287	0.52	-4.65e-02	0.50	-2.77e-02	-0.10	0.13	-1.59e-02	0.13	-1.49e-02	-1.19e-02
23	1	300	0.53	1.04e-02	0.51	3.10e-02	-0.10	7.81e-02	-0.42	7.78e-02	-0.42	1.21e-02
23	1	302	0.52	6.19e-02	0.52	6.36e-02	-2.76e-02	9.08e-02	5.98e-02	8.28e-02	6.78e-02	1.36e-02
23	1	304	0.52	8.44e-02	0.52	8.55e-02	2.17e-02	9.09e-02	-3.38e-02	7.81e-02	-2.10e-02	3.79e-02
23	1	306	0.52	5.91e-02	0.51	6.97e-02	6.96e-02	0.15	2.02e-02	8.05e-02	9.32e-02	6.63e-02
23	1	308	0.53	1.08e-02	0.50	3.95e-02	0.12	7.54e-02	-0.37	7.38e-02	-0.37	2.63e-02
23	1	310	0.39	-0.11	0.27	1.39e-02	0.22	0.37	-0.64	0.14	-0.42	0.42
23	2	195	0.80	-0.18	0.73	-0.11	-0.24	0.32	-0.73	1.57e-02	-0.42	-0.48
23	2	214	0.80	-0.10	0.73	-3.10e-02	0.25	0.33	-0.72	9.41e-03	-0.40	0.48
23	2	215	0.81	9.51e-02	0.79	0.12	0.12	3.01e-03	-3.44e-02	-9.41e-03	-2.20e-02	1.76e-02
23	2	216	0.82	0.24	0.81	0.24	5.37e-02	5.69e-02	-5.30e-02	-1.59e-02	1.98e-02	5.20e-02
23	2	217	0.81	0.21	0.81	0.21	-1.03e-02	1.53e-02	-1.53e-02	-1.50e-02	1.50e-02	-2.81e-03
23	2	218	0.80	1.24e-02	0.79	2.24e-02	-8.80e-02	5.03e-04	-6.09e-02	-5.46e-03	-5.49e-02	1.82e-02
23	2	219	1.14	0.31	0.82	0.64	0.40	2.69	-0.11	0.61	1.97	1.22
23	2	222	1.14	0.29	0.83	0.61	-0.41	2.68	-0.11	0.61	1.96	-1.22
23	2	228	0.61	-1.40e-02	0.37	0.22	-0.30	1.31	-0.39	0.32	0.59	-0.84
23	2	229	0.52	-0.19	0.34	-2.06e-02	-0.30	0.66	-0.83	0.20	-0.38	-0.68
23	2	230	0.83	3.55e-04	0.76	7.86e-02	-0.24	2.22e-02	-1.60	-0.11	-1.46	-0.44
23	2	231	0.92	-0.22	0.75	-5.21e-02	-0.41	1.79	-0.44	0.48	0.87	-1.10
23	2	235	0.91	-0.22	0.73	-4.58e-02	0.40	1.78	-0.43	0.48	0.86	1.09
23	2	240	0.83	2.91e-03	0.75	8.52e-02	0.25	3.21e-02	-1.51	-0.11	-1.37	0.44
23	2	245	0.80	3.91e-02	0.78	5.78e-02	0.12	0.12	4.47e-03	7.13e-03	0.12	-1.72e-02
23	2	250	0.80	8.15e-02	0.79	8.56e-02	5.37e-02	1.66e-02	-0.11	-2.62e-02	-6.63e-02	5.95e-02
23	2	255	0.80	8.19e-02	0.80	8.20e-02	-1.03e-02	-2.30e-02	-6.48e-02	-2.44e-02	-6.33e-02	-7.72e-03
23	2	260	0.80	4.17e-02	0.79	5.21e-02	-8.80e-02	7.11e-02	-4.21e-02	4.12e-03	2.49e-02	5.56e-02
...												
23	203	310	0.38	-0.12	0.26	-1.24e-03	0.22	0.45	-0.60	0.15	-0.30	0.48
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-11.02	-4.24	-10.32	-3.14		-14.84	-1.33	-14.69	-3.88
			10.74		5.39	10.18	3.12	16.12		2.19	16.11	3.84

Macro	Tipo	Angolo 1-X (gradi)
33	**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
33	1	168	1.05	-0.13	0.93	-3.06e-03	-0.36	1.08	-1.29	-0.51	0.30	1.11
33	1	169	1.13	0.14	0.96	0.30	-0.36	-0.22	-7.55	-1.32	-6.45	2.61
33	1	171	0.43	0.12	0.40	0.15	-0.10	0.48	0.20	0.38	0.30	-0.13
33	1	172	0.37	-0.23	0.35	-0.21	-0.10	0.80	0.36	0.43	0.72	-0.16
33	1	174	0.37	5.90e-02	0.37	6.01e-02	-1.80e-02	0.34	-1.60e-02	0.34	-9.47e-03	4.79e-02
33	1	175	0.33	-0.25	0.33	-0.25	-1.80e-02	0.33	-0.13	0.32	-0.12	5.99e-02
33	1	177	0.37	1.45e-02	0.37	1.52e-02	-1.52e-02	0.34	4.91e-02	0.34	4.91e-02	9.47e-04
33	1	178	0.34	-0.24	0.34	-0.24	-1.52e-02	0.34	4.67e-02	0.34	4.67e-02	8.78e-04
33	1	180	0.38	1.72e-02	0.37	1.77e-02	-1.37e-02	0.34	4.63e-02	0.34	4.70e-02	1.39e-02
33	1	181	0.34	-0.26	0.34	-0.26	-1.37e-02	0.34	4.27e-02	0.34	4.33e-02	1.37e-02
33	1	183	0.39	6.30e-02	0.39	6.30e-02	1.87e-03	0.33	-4.47e-02	0.33	-4.10e-02	-3.70e-02
33	1	184	0.34	-0.30	0.34	-0.30	1.87e-03	0.32	-0.18	0.31	-0.17	-4.96e-02
33	1	186	1.08	-0.13	0.94	7.11e-03	0.38	1.07	-1.30	-0.52	0.29	-1.11
33	1	187	1.14	0.12	0.98	0.28	0.38	-0.24	-7.57	-1.34	-6.47	-2.62
33	1	189	0.46	0.12	0.42	0.16	0.11	0.47	0.19	0.38	0.28	0.13
33	1	190	0.38	-0.28	0.37	-0.26	0.11	0.76	0.35	0.43	0.68	0.16
33	1	224	0.44	-0.12	0.28	4.37e-02	0.26	1.03	0.32	0.99	0.36	0.16
33	1	227	0.42	-0.16	0.27	-1.02e-02	0.26	0.62	-3.00	0.59	-2.97	-0.29
33	1	288	0.43	-0.12	0.27	3.63e-02	-0.25	1.04	0.33	1.00	0.36	-0.16
33	1	289	0.42	-0.13	0.27	1.96e-02	-0.25	0.63	-2.99	0.61	-2.96	0.29
33	1	290	0.16	7.64e-02	0.16	8.18e-02	-2.12e-02	0.94	0.27	0.93	0.28	6.24e-02
33	1	291	0.12	-0.29	0.12	-0.28	-2.12e-02	0.97	0.57	0.97	0.58	5.82e-02
33	1	292	0.15	2.98e-03	0.15	4.44e-03	-1.48e-02	0.93	7.28e-02	0.93	7.33e-02	1.97e-02
33	1	293	0.12	-0.26	0.12	-0.26	-1.48e-02	0.92	4.20e-03	0.92	4.65e-03	2.01e-02
33	1	294	0.16	-1.59e-02	0.16	-1.47e-02	-1.45e-02	0.94	0.13	0.94	0.13	1.41e-02
33	1	295	0.13	-0.27	0.12	-0.27	-1.45e-02	0.94	0.15	0.94	0.15	1.40e-02
33	1	296	0.16	6.62e-03	0.16	7.48e-03	-1.16e-02	0.93	6.46e-02	0.93	6.47e-02	7.96e-03
33	1	297	0.12	-0.30	0.12	-0.30	-1.16e-02	0.92	-7.33e-03	0.92	-7.29e-03	6.23e-03
33	1	298	0.17	8.23e-02	0.17	8.54e-02	1.66e-02	0.93	0.26	0.93	0.26	-4.81e-02
33	1	299	0.12	-0.34	0.12	-0.34	1.66e-02	0.97	0.55	0.96	0.56	-4.37e-02
33	2	168	1.45	-0.13	1.28	4.11e-02	-0.49	0.77	-1.80	-0.80	-0.24	1.25
33	2	169	1.52	0.13	1.31	0.33	-0.49	-0.45	-8.46	-1.64	-7.26	2.86
33	2	171	0.70	0.20	0.66	0.24	-0.13	0.52	0.23	0.34	0.42	-0.14
33	2	172	0.61	-0.34	0.59	-0.32	-0.13	0.75	0.36	0.38	0.73	-9.24e-02
33	2	174	0.63	0.13	0.63	0.13	-2.05e-02	0.29	-7.75e-02	0.28	-6.69e-02	6.19e-02
33	2	175	0.57	-0.35	0.57	-0.35	-2.05e-02	0.28	-0.20	0.27	-0.19	6.62e-02
33	2	177	0.63	7.22e-02	0.63	7.26e-02	-1.45e-02	0.30	3.48e-02	0.30	3.48e-02	-2.25e-04
33	2	178	0.58	-0.33	0.58	-0.33	-1.45e-02	0.30	2.21e-02	0.30	2.21e-02	2.35e-03
33	2	180	0.63	7.48e-02	0.63	7.51e-02	-1.44e-02	0.30	3.18e-02	0.30	3.27e-02	1.51e-02
33	2	181	0.58	-0.35	0.58	-0.35	-1.44e-02	0.30	1.81e-02	0.29	1.87e-02	1.22e-02
33	2	183	0.65	0.13	0.65	0.13	4.30e-03	0.28	-0.11	0.28	-9.84e-02	-5.09e-02
33	2	184	0.58	-0.40	0.58	-0.40	4.30e-03	0.27	-0.25	0.26	-0.24	-5.60e-02

33	2	186	1.47	-0.13	1.30	5.13e-02	0.50	0.75	-1.82	-0.82	-0.25	-1.25
33	2	187	1.53	0.10	1.33	0.31	0.50	-0.46	-8.49	-1.66	-7.29	-2.86
33	2	189	0.72	0.20	0.68	0.24	0.14	0.51	0.22	0.34	0.40	0.14
33	2	190	0.63	-0.39	0.61	-0.37	0.14	0.71	0.35	0.37	0.69	9.26e-02
33	2	224	0.61	-0.11	0.42	8.87e-02	0.32	0.86	8.98e-02	0.84	0.10	9.12e-02
33	2	227	0.56	-0.24	0.40	-7.09e-02	0.32	0.46	-3.54	0.41	-3.49	-0.44
...												
33	203	299	0.16	-0.34	0.16	-0.34	1.83e-02	0.79	0.47	0.78	0.47	-4.58e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-9.81	-3.28	-9.38	-2.25		-13.52	-2.87	-13.32	-3.83
			9.70		5.20	9.51	2.27	8.61		1.95	8.12	3.82

Macro	Tipo	Angolo 1-X (gradi)
34	**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
34	1	208	0.87	-9.76e-02	0.85	-7.68e-02	0.14	0.17	-0.60	0.16	-0.59	9.31e-02
34	1	209	0.89	8.06e-02	0.89	8.18e-02	3.07e-02	0.27	0.12	0.27	0.12	-1.20e-03
34	1	210	0.90	9.86e-02	0.90	9.89e-02	1.65e-02	0.26	-1.30e-02	0.26	-1.10e-02	2.33e-02
34	1	211	0.91	0.12	0.91	0.12	1.18e-02	0.26	-8.97e-03	0.26	-8.96e-03	-1.51e-03
34	1	212	0.91	0.14	0.91	0.14	-1.47e-02	0.26	4.83e-02	0.25	4.98e-02	1.79e-02
34	1	213	0.89	-4.99e-02	0.87	-2.69e-02	-0.15	0.16	-0.65	0.15	-0.65	-8.42e-02
34	1	220	0.77	-0.34	0.77	-0.34	-1.66e-02	2.15	0.54	0.77	1.92	-0.56
34	1	221	0.79	-0.32	0.79	-0.32	8.85e-03	2.14	0.54	0.78	1.90	0.57
34	1	229	0.57	-4.31e-02	0.49	3.86e-02	-0.21	0.16	-0.30	6.09e-02	-0.20	-0.19
34	1	230	0.91	6.93e-02	0.88	9.53e-02	-0.15	0.20	-0.41	0.18	-0.39	-0.11
34	1	231	0.84	5.65e-02	0.84	5.66e-02	8.85e-03	0.58	6.17e-02	0.56	8.29e-02	0.10
34	1	232	0.51	-0.33	0.46	-0.27	-0.21	0.59	0.15	0.16	0.59	-2.36e-02
34	1	235	0.82	5.96e-02	0.82	5.99e-02	-1.66e-02	0.57	5.45e-02	0.55	7.75e-02	-0.11
34	1	240	0.89	7.46e-02	0.87	9.93e-02	0.14	0.21	-0.37	0.19	-0.35	0.11
34	1	245	0.90	9.92e-02	0.89	0.10	3.07e-02	0.26	7.91e-02	0.26	7.96e-02	-9.48e-03
34	1	250	0.91	0.12	0.91	0.12	1.65e-02	0.26	2.05e-02	0.26	2.26e-02	2.27e-02
34	1	255	0.91	0.12	0.91	0.12	1.18e-02	0.26	2.38e-02	0.26	2.38e-02	7.93e-04
34	1	260	0.91	9.62e-02	0.91	9.65e-02	-1.47e-02	0.26	3.39e-02	0.25	3.73e-02	2.74e-02
34	1	300	0.42	2.19e-02	0.42	2.69e-02	-4.46e-02	7.00e-03	-0.20	7.00e-03	-0.20	-6.99e-04
34	1	301	0.43	4.54e-02	0.42	5.08e-02	-4.46e-02	-1.30e-02	-0.37	-1.34e-02	-0.37	-1.11e-02
34	1	302	0.43	5.24e-02	0.43	5.26e-02	8.22e-03	5.40e-02	3.25e-02	5.36e-02	3.28e-02	2.60e-03
34	1	303	0.44	7.40e-02	0.44	7.42e-02	8.22e-03	7.53e-02	5.82e-02	5.87e-02	7.48e-02	-2.94e-03
34	1	304	0.44	6.96e-02	0.44	7.02e-02	1.50e-02	5.85e-02	-1.25e-02	5.35e-02	-7.39e-03	1.83e-02
34	1	305	0.43	4.96e-02	0.43	5.02e-02	1.50e-02	5.38e-02	-3.90e-02	5.01e-02	-3.53e-02	1.81e-02
34	1	306	0.43	5.68e-02	0.43	5.79e-02	2.00e-02	8.72e-02	1.64e-02	5.85e-02	4.51e-02	3.48e-02
34	1	307	0.43	3.31e-02	0.43	3.41e-02	2.00e-02	0.12	3.70e-02	6.41e-02	9.14e-02	3.84e-02
34	1	308	0.42	2.79e-02	0.41	3.42e-02	4.94e-02	1.80e-02	-0.17	1.62e-02	-0.17	1.81e-02
34	1	309	0.42	-1.05e-02	0.41	-4.66e-03	4.94e-02	-1.93e-04	-0.33	-2.73e-03	-0.33	2.88e-02
34	1	310	0.56	-3.19e-02	0.48	4.33e-02	0.20	0.15	-0.29	5.51e-02	-0.19	0.19
34	1	311	0.49	-0.35	0.44	-0.30	0.20	0.61	0.15	0.15	0.60	3.32e-02
34	2	208	1.03	-0.14	1.00	-0.11	0.19	7.72e-02	-0.82	7.30e-02	-0.81	6.13e-02
34	2	209	1.07	0.10	1.07	0.10	3.84e-02	0.21	9.75e-02	0.21	9.84e-02	9.64e-03
34	2	210	1.08	0.12	1.08	0.12	1.63e-02	0.21	-5.69e-02	0.20	-5.41e-02	2.69e-02
34	2	211	1.09	0.14	1.09	0.14	1.20e-02	0.20	-5.21e-02	0.20	-5.20e-02	-5.09e-03
34	2	212	1.08	0.16	1.08	0.16	-2.24e-02	0.20	2.66e-02	0.20	2.69e-02	7.04e-03
34	2	213	1.06	-8.89e-02	1.03	-5.59e-02	-0.19	6.51e-02	-0.87	6.22e-02	-0.87	-5.24e-02
34	2	220	1.02	-0.40	1.01	-0.40	-2.59e-02	2.86	0.72	1.02	2.56	-0.74
34	2	221	1.04	-0.38	1.04	-0.38	1.82e-02	2.85	0.73	1.03	2.55	0.74
34	2	229	0.71	-6.92e-02	0.62	2.66e-02	-0.26	0.19	-0.32	4.55e-02	-0.18	-0.23
34	2	230	1.08	7.82e-02	1.05	0.12	-0.19	0.12	-0.68	8.88e-02	-0.65	-0.15
34	2	231	1.09	2.12e-02	1.09	2.15e-02	1.82e-02	0.80	0.44	0.78	0.46	8.89e-02
34	2	232	0.64	-0.40	0.58	-0.33	-0.26	0.75	0.15	0.16	0.75	4.57e-02
34	2	235	1.07	2.42e-02	1.07	2.48e-02	-2.59e-02	0.79	0.43	0.77	0.46	-9.21e-02
34	2	240	1.07	8.35e-02	1.03	0.12	0.19	0.13	-0.64	9.74e-02	-0.61	0.16
34	2	245	1.07	9.86e-02	1.06	0.10	3.84e-02	0.21	7.62e-02	0.21	7.72e-02	-1.14e-02
34	2	250	1.08	0.12	1.08	0.12	1.63e-02	0.21	-7.24e-03	0.21	-3.67e-03	2.78e-02
34	2	255	1.09	0.12	1.09	0.12	1.20e-02	0.21	-2.55e-03	0.21	-2.46e-03	-4.29e-03
34	2	260	1.08	9.57e-02	1.08	9.62e-02	-2.24e-02	0.20	2.97e-02	0.20	3.48e-02	2.93e-02
...												
34	203	311	0.46	-0.31	0.42	-0.27	0.18	0.55	0.12	0.12	0.55	-2.49e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-8.29	-2.12	-8.13	-1.61		-6.84	-0.85	-6.67	-1.78
			8.19		3.88	8.02	1.58	10.31		1.96	10.31	1.76

Macro	Tipo	Angolo 1-X (gradi)
43	**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
43	1	312	0.69	0.64	0.66	0.67	-2.50e-02	3.03e-02	-2.24	-0.46	-1.75	-0.94
43	1	313	0.57	-5.96e-02	0.57	-5.86e-02	-2.50e-02	1.23	-0.46	-0.14	0.92	-0.66
43	1	315	0.48	-3.40e-02	0.11	0.33	-0.23	0.27	-6.19e-02	2.31e-02	0.18	-0.14
43	1	316	0.35	-0.12	8.93e-02	0.14	-0.23	0.41	-1.97e-02	4.26e-02	0.34	-0.15
43	1	318	0.29	1.06e-02	7.72e-02	0.22	-0.12	8.78e-02	-6.88e-02	-1.56e-02	3.45e-02	7.42e-02
43	1	319	0.16	-7.76e-02	5.40e-02	2.96e-02	-0.12	2.60e-02	-0.16	-3.18e-02	-0.10	8.55e-02
43	1	321	0.17	4.17e-02	7.27e-02	0.14	-5.53e-02	4.34e-02	-2.72e-02	-1.85e-02	3.46e-02	2.33e-02
43	1	322	8.12e-02	-5.46e-02	5.27e-02	-2.61e-02	-5.53e-02	1.97e-02	-2.70e-02	-2.10e-02	1.37e-02	1.56e-02
43	1	324	0.18	7.76e-02	7.77e-02	0.18	-4.41e-03	3.98e-02	-2.64e-02	-1.87e-02	3.21e-02	2.13e-02
43	1	325	5.34e-02	-2.27e-02	5.32e-02	-2.24e-02	-4.41e-03	3.33e-02	-3.79e-02	-2.06e-02	1.61e-02	3.05e-02

43	1	327	0.37	7.47e-02	9.68e-02	0.35	7.80e-02	3.91e-02	-4.27e-02	-1.13e-02	7.64e-03	-3.98e-02
43	1	328	0.12	-3.47e-02	5.85e-02	3.06e-02	7.80e-02	-2.22e-02	-0.21	-3.60e-02	-0.20	-4.92e-02
43	1	330	0.71	0.63	0.66	0.68	3.61e-02	4.01e-02	-2.20	-0.45	-1.71	0.93
43	1	331	0.58	-4.55e-02	0.58	-4.34e-02	3.61e-02	1.22	-0.46	-0.14	0.90	0.65
43	1	333	0.56	5.85e-03	0.13	0.44	0.23	0.26	-8.44e-02	2.57e-02	0.15	0.16
43	1	334	0.35	-0.11	9.33e-02	0.14	0.23	0.36	-4.40e-02	4.07e-02	0.28	0.17
43	1	368	0.68	0.23	0.36	0.55	0.20	9.68e-03	-0.59	-3.72e-02	-0.54	0.16
43	1	369	0.41	-5.75e-02	0.30	5.35e-02	0.20	0.45	7.87e-02	8.17e-02	0.45	3.34e-02
43	1	416	0.63	0.22	0.35	0.50	-0.18	2.04e-03	-0.59	-3.88e-02	-0.55	-0.15
43	1	419	0.37	-4.31e-03	7.81e-02	0.28	-0.15	9.99e-02	-0.15	7.02e-03	-5.96e-02	0.12
43	1	422	0.22	2.60e-02	7.23e-02	0.17	-8.20e-02	8.45e-02	-3.87e-02	3.79e-02	7.88e-03	5.97e-02
43	1	425	0.15	6.05e-02	7.14e-02	0.14	-2.97e-02	6.33e-02	-1.56e-02	2.43e-02	2.34e-02	3.94e-02
43	1	428	0.26	8.31e-02	8.54e-02	0.26	2.06e-02	4.52e-02	-1.82e-02	3.86e-02	-1.16e-02	1.93e-02
43	1	431	0.47	5.10e-02	9.94e-02	0.42	0.13	5.93e-02	-0.14	1.05e-02	-8.88e-02	-8.50e-02
43	1	433	0.39	-5.78e-02	0.29	4.06e-02	-0.18	0.47	8.20e-02	8.35e-02	0.47	-2.44e-02
43	1	435	0.22	-8.55e-02	5.42e-02	8.48e-02	-0.15	0.33	4.48e-03	4.85e-02	0.29	0.11
43	1	437	0.11	-6.54e-02	5.09e-02	-7.55e-03	-8.20e-02	5.58e-02	-9.66e-02	2.86e-02	-6.94e-02	5.83e-02
43	1	439	6.03e-02	-4.12e-02	5.07e-02	-3.16e-02	-2.97e-02	7.42e-02	-6.16e-03	2.65e-02	4.16e-02	3.95e-02
43	1	441	6.02e-02	-1.02e-02	5.36e-02	-3.54e-03	2.06e-02	3.34e-02	-9.88e-02	2.87e-02	-9.42e-02	2.44e-02
43	1	443	0.21	-5.95e-02	6.00e-02	8.88e-02	0.13	0.27	2.47e-02	5.05e-02	0.24	-7.53e-02
43	2	312	1.03	0.91	0.93	1.01	-4.53e-02	-0.30	-3.00	-0.71	-2.59	-0.97
43	2	313	0.80	-2.04e-02	0.80	-1.79e-02	-4.53e-02	0.23	-0.83	-0.42	-0.18	-0.52
43	2	315	0.79	0.11	0.30	0.61	-0.30	0.38	-9.31e-02	5.49e-02	0.23	-0.22
43	2	316	0.54	-6.68e-02	0.25	0.22	-0.30	0.64	-8.98e-03	9.19e-02	0.54	-0.24
43	2	318	0.54	0.18	0.25	0.47	-0.15	0.12	-9.19e-02	4.69e-03	2.02e-02	0.10
43	2	319	0.31	-5.96e-03	0.21	9.64e-02	-0.15	3.34e-02	-0.27	-2.36e-02	-0.22	0.12
43	2	321	0.37	0.21	0.24	0.34	-6.29e-02	4.48e-02	-1.17e-02	1.26e-03	3.18e-02	2.38e-02
43	2	322	0.23	1.19e-02	0.21	3.21e-02	-6.29e-02	6.02e-03	-2.12e-02	-3.91e-03	-1.13e-02	1.31e-02
43	2	324	0.38	0.25	0.25	0.38	3.18e-03	4.04e-02	-1.00e-02	1.03e-03	2.93e-02	2.09e-02
43	2	325	0.21	3.58e-02	0.21	3.58e-02	3.18e-03	2.69e-02	-3.93e-02	-3.55e-03	-8.88e-03	3.30e-02
43	2	327	0.63	0.24	0.27	0.59	0.11	7.12e-02	-6.89e-02	8.97e-03	-6.70e-03	-6.96e-02
43	2	328	0.28	3.33e-02	0.21	9.74e-02	0.11	-5.53e-03	-0.34	-2.78e-02	-0.31	-8.28e-02
43	2	330	1.05	0.90	0.93	1.02	5.64e-02	-0.29	-2.96	-0.70	-2.55	0.96
43	2	331	0.81	-6.63e-03	0.81	-2.73e-03	5.64e-02	0.22	-0.83	-0.42	-0.20	0.51
43	2	333	0.87	0.15	0.31	0.71	0.30	0.38	-0.12	5.75e-02	0.21	0.24
43	2	334	0.54	-6.08e-02	0.25	0.23	0.30	0.60	-3.32e-02	9.00e-02	0.48	0.25
43	2	368	1.02	0.40	0.56	0.85	0.27	3.30e-03	-0.90	-5.13e-02	-0.85	0.22
43	2	369	0.62	-3.54e-02	0.47	0.11	0.27	3.76e-02	-0.11	3.75e-02	-0.11	1.85e-03
...												
43	203	443	0.25	-1.28e-02	0.12	0.11	0.13	0.31	8.31e-03	4.72e-02	0.27	-0.10
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-10.47	-3.98	-10.34	-3.53		-15.10	-1.77	-15.08	-3.79
			10.48		5.22	10.36	3.55	16.04		1.30	15.84	3.75

Macro	Tipo	Angolo 1-X (gradi)
44	**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
44	1	340	0.59	-0.19	0.53	-0.13	-0.20	0.19	-0.38	2.15e-02	-0.22	-0.26
44	1	359	0.60	-8.78e-02	0.53	-1.90e-02	0.21	0.19	-0.37	1.26e-02	-0.19	0.26
44	1	360	0.60	7.83e-02	0.57	0.10	0.11	2.64e-02	-2.90e-02	-6.24e-03	3.70e-03	2.73e-02
44	1	361	0.60	0.19	0.59	0.19	5.50e-02	6.23e-02	-3.90e-02	-1.11e-02	3.45e-02	4.52e-02
44	1	362	0.59	0.15	0.59	0.15	5.25e-03	3.94e-02	-1.65e-02	-9.96e-03	3.29e-02	1.79e-02
44	1	363	0.58	-3.29e-02	0.57	-2.55e-02	-6.69e-02	9.45e-03	-4.59e-02	4.97e-04	-3.69e-02	2.04e-02
44	1	364	0.66	6.31e-02	0.45	0.28	0.29	1.32	-0.18	0.31	0.84	0.70
44	1	367	0.66	2.55e-02	0.45	0.23	-0.30	1.31	-0.19	0.30	0.82	-0.70
44	1	373	0.36	-0.14	0.19	2.52e-02	-0.24	0.67	-0.26	0.18	0.23	-0.47
44	1	374	0.35	-0.17	0.19	-5.41e-03	-0.24	0.32	-0.59	0.11	-0.38	-0.39
44	1	375	0.62	-3.57e-02	0.55	3.56e-02	-0.20	2.45e-02	-0.86	-4.73e-02	-0.79	-0.24
44	1	376	0.58	-0.15	0.43	9.36e-03	-0.30	0.81	-0.49	0.22	9.75e-02	-0.65
44	1	380	0.57	-0.13	0.42	1.75e-02	0.29	0.79	-0.50	0.22	7.55e-02	0.64
44	1	385	0.61	-3.07e-02	0.54	4.40e-02	0.21	3.71e-02	-0.75	-4.46e-02	-0.67	0.24
44	1	390	0.59	3.58e-02	0.57	5.75e-02	0.11	7.47e-02	2.05e-03	2.26e-03	7.45e-02	3.88e-03
44	1	395	0.58	8.49e-02	0.58	9.10e-02	5.50e-02	3.28e-02	-6.63e-02	-1.72e-02	-1.63e-02	4.96e-02
44	1	400	0.58	8.63e-02	0.58	8.63e-02	5.25e-03	1.46e-02	-2.38e-02	-1.34e-02	4.20e-03	1.70e-02
44	1	405	0.59	4.23e-02	0.58	5.06e-02	-6.69e-02	2.67e-02	-8.27e-02	-1.60e-03	-5.44e-02	4.79e-02
44	1	417	0.38	-8.46e-02	0.20	9.75e-02	0.23	0.68	-0.24	0.18	0.27	0.46
44	1	420	0.46	-3.72e-02	0.42	1.07e-03	0.13	0.13	-4.21e-02	9.76e-02	-7.23e-03	6.98e-02
44	1	423	0.47	0.13	0.45	0.15	7.82e-02	0.12	-4.21e-02	5.42e-02	2.27e-02	7.90e-02
44	1	426	0.46	0.17	0.45	0.18	2.96e-02	9.55e-02	-6.98e-03	6.32e-02	2.53e-02	4.76e-02
44	1	429	0.45	5.76e-02	0.45	5.85e-02	-1.85e-02	6.95e-02	-4.70e-03	5.90e-02	5.77e-03	2.58e-02
44	1	432	0.44	-0.15	0.42	-0.13	-0.11	0.11	-3.80e-02	0.11	-3.47e-02	-2.22e-02
44	1	445	0.46	-1.57e-02	0.43	1.16e-02	-0.11	6.71e-02	-0.39	6.71e-02	-0.39	-1.03e-03
44	1	447	0.45	5.29e-02	0.45	5.37e-02	-1.85e-02	9.15e-02	1.90e-02	6.39e-02	4.65e-02	3.52e-02
44	1	449	0.44	7.58e-02	0.44	7.82e-02	2.96e-02	8.36e-02	-3.56e-02	5.89e-02	-1.09e-02	4.83e-02
44	1	451	0.45	4.55e-02	0.44	6.11e-02	7.82e-02	0.14	-6.74e-03	6.06e-02	7.62e-02	7.48e-02
44	1	453	0.46	-1.74e-02	0.42	2.24e-02	0.13	6.75e-02	-0.32	6.12e-02	-0.31	4.89e-02
44	1	455	0.34	-0.15	0.18	3.92e-03	0.23	0.31	-0.55	0.11	-0.35	0.37
44	2	340	0.67	-0.33	0.59	-0.25	-0.27	0.28	-0.63	1.94e-02	-0.36	-0.41
44	2	359	0.68	-0.23	0.59	-0.14	0.27	0.29	-0.61	1.06e-02	-0.34	0.42
44	2	360	0.67	-2.08e-02	0.65	5.04e-03	0.13	1.80e-02	-5.22e-02	-7.96e-03	-2.62e-02	3.39e-02
44	2	361	0.68	0.14	0.67	0.15	6.25e-02	6.07e-02	-5.64e-02	-1.53e-02	1.96e-02	5.59e-02
44	2	362	0.67	0.11	0.67	0.11	-2.22e-03	1.96e-02	-1.58e-02	-1.42e-02	1.81e-02	7.31e-03
44	2	363	0.66	-0.13	0.65	-0.12	-9.06e-02	1.54e-03	-6.96e-02	-1.23e-03	-6.68e-02	1.38e-02
44	2	364	0.89	0.13	0.59	0.43	0.37	2.03	-0.14	0.45	1.43	0.96
44	2	367	0.89	9.41e-02	0.60	0.39	-0.38	2.01	-0.15	0.45	1.42	-0.97
44	2	373	0.48	-0.19	0.24	4.87e-02	-0.32	1.06	-0.42	0.23	0.40	-0.74
44	2	374	0.44	-0.25	0.22	-3.80e-02	-0.32	0.60	-0.73	0.15	-0.28	-0.63
44	2	375	0.73	-6.62e-02	0.63	3.65e-02	-0.27	2.93e-02	-1.41	-9.18e-02	-1.29	-0.40
44	2	376	0.73	-0.24	0.54	-5.41e-02	-0.38	1.56	-0.25	0.39	0.92	-0.87
44	2	380	0.71	-0.23	0.53	-4.60e-02	0.37	1.54	-0.25	0.39	0.90	0.86
44	2	385	0.72	-6.17e-02	0.61	4.48e-02	0.27	4.18e-02	-1.30	-8.91e-02	-1.17	0.40

44	2	390	0.68	6.94e-03	0.65	3.37e-02	0.13	6.50e-02	2.98e-03	2.98e-03	6.50e-02	2.30e-04
44	2	395	0.67	5.87e-02	0.66	6.52e-02	6.25e-02	1.92e-02	-0.11	-2.56e-02	-6.60e-02	6.18e-02
44	2	400	0.67	6.05e-02	0.67	6.05e-02	-2.22e-03	-2.09e-02	-4.65e-02	-2.18e-02	-4.56e-02	4.80e-03
44	2	405	0.68	1.42e-02	0.66	2.68e-02	-9.06e-02	2.80e-02	-9.28e-02	-8.78e-04	-6.39e-02	5.16e-02
...												
44	203	455	0.32	-0.16	0.18	-1.27e-02	0.22	0.41	-0.53	0.11	-0.23	0.44
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-9.01	-3.46	-8.40	-2.67		-12.69	-1.05	-12.56	-3.62
			8.72		4.31	8.30	2.64	14.05		1.76	14.04	3.57

Macro	Tipo	Angolo 1-X (gradi)
54	**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
54	1	313	0.85	-0.14	0.73	-1.02e-02	-0.33	1.20	-1.18	-0.36	0.38	1.13
54	1	314	0.94	0.14	0.77	0.31	-0.33	-0.16	-7.39	-1.17	-6.37	2.52
54	1	316	0.32	5.76e-02	0.25	0.13	-0.11	0.43	0.13	0.36	0.20	-0.12
54	1	317	0.24	-0.22	0.21	-0.19	-0.11	0.79	0.32	0.42	0.69	-0.19
54	1	319	0.22	4.13e-02	0.22	4.40e-02	-2.19e-02	0.34	-1.14e-02	0.33	-4.10e-03	5.00e-02
54	1	320	0.19	-0.24	0.18	-0.24	-2.19e-02	0.33	-0.14	0.32	-0.13	6.89e-02
54	1	322	0.22	-4.65e-04	0.22	1.11e-03	-1.85e-02	0.34	4.83e-02	0.34	4.84e-02	4.38e-03
54	1	323	0.19	-0.23	0.19	-0.23	-1.85e-02	0.34	4.47e-02	0.34	4.48e-02	3.95e-03
54	1	325	0.23	2.60e-03	0.22	4.66e-03	-2.13e-02	0.34	4.85e-02	0.34	4.95e-02	1.66e-02
54	1	326	0.19	-0.26	0.19	-0.26	-2.13e-02	0.34	4.59e-02	0.34	4.68e-02	1.64e-02
54	1	328	0.24	4.72e-02	0.24	4.72e-02	-8.39e-04	0.33	-5.25e-02	0.32	-4.94e-02	-3.43e-02
54	1	329	0.20	-0.31	0.20	-0.31	-8.39e-04	0.31	-0.21	0.30	-0.20	-5.46e-02
54	1	331	0.88	-0.14	0.74	2.61e-03	0.35	1.19	-1.20	-0.38	0.37	-1.13
54	1	332	0.96	0.10	0.78	0.28	0.35	-0.17	-7.41	-1.19	-6.39	-2.52
54	1	334	0.34	6.00e-02	0.27	0.13	0.12	0.42	0.10	0.36	0.17	0.13
54	1	335	0.26	-0.29	0.23	-0.26	0.12	0.74	0.30	0.41	0.63	0.19
54	1	369	0.39	-0.17	0.18	3.52e-02	0.27	1.04	0.29	1.01	0.32	0.15
54	1	372	0.38	-0.19	0.18	6.02e-03	0.27	0.63	-2.99	0.62	-2.98	-0.22
54	1	433	0.37	-0.16	0.18	2.64e-02	-0.25	1.06	0.30	1.02	0.33	-0.15
54	1	434	0.38	-0.14	0.19	4.78e-02	-0.25	0.64	-2.97	0.63	-2.96	0.22
54	1	435	0.11	5.25e-02	9.45e-02	7.15e-02	-2.83e-02	0.88	0.22	0.87	0.23	7.34e-02
54	1	436	5.67e-02	-0.27	5.42e-02	-0.26	-2.83e-02	0.92	0.54	0.91	0.55	7.04e-02
54	1	437	8.86e-02	-3.56e-03	8.53e-02	-2.71e-04	-1.71e-02	0.89	7.25e-02	0.89	7.33e-02	2.53e-02
54	1	438	5.67e-02	-0.25	5.57e-02	-0.25	-1.71e-02	0.88	2.20e-03	0.88	3.01e-03	2.66e-02
54	1	439	8.94e-02	-2.22e-02	8.58e-02	-1.87e-02	-1.96e-02	0.89	0.12	0.89	0.12	1.90e-02
54	1	440	5.83e-02	-0.26	5.71e-02	-0.26	-1.96e-02	0.90	0.15	0.89	0.15	1.92e-02
54	1	441	9.91e-02	-9.49e-04	9.45e-02	3.67e-03	-2.10e-02	0.88	6.14e-02	0.88	6.16e-02	1.40e-02
54	1	442	5.91e-02	-0.30	5.78e-02	-0.30	-2.10e-02	0.88	-1.32e-02	0.87	-1.31e-02	1.06e-02
54	1	443	0.12	6.43e-02	0.11	7.58e-02	2.27e-02	0.87	0.21	0.86	0.21	-5.45e-02
54	1	444	6.03e-02	-0.34	5.90e-02	-0.34	2.27e-02	0.91	0.51	0.90	0.52	-5.14e-02
54	2	313	1.18	-0.14	1.01	3.36e-02	-0.44	0.93	-1.67	-0.61	-0.13	1.28
54	2	314	1.26	0.13	1.05	0.34	-0.44	-0.36	-8.24	-1.45	-7.15	2.72
54	2	316	0.53	0.13	0.46	0.20	-0.15	0.43	0.17	0.31	0.28	-0.13
54	2	317	0.43	-0.32	0.40	-0.29	-0.15	0.73	0.31	0.36	0.68	-0.14
54	2	319	0.43	0.10	0.43	0.11	-2.60e-02	0.29	-7.55e-02	0.28	-6.36e-02	6.48e-02
54	2	320	0.37	-0.34	0.37	-0.34	-2.60e-02	0.27	-0.22	0.26	-0.21	7.83e-02
54	2	322	0.42	5.54e-02	0.42	5.63e-02	-1.80e-02	0.29	3.01e-02	0.29	3.01e-02	3.76e-03
54	2	323	0.38	-0.32	0.38	-0.32	-1.80e-02	0.29	1.37e-02	0.29	1.39e-02	5.78e-03
54	2	325	0.43	5.85e-02	0.43	5.98e-02	-2.19e-02	0.29	3.01e-02	0.29	3.13e-02	1.73e-02
54	2	326	0.38	-0.35	0.38	-0.35	-2.19e-02	0.29	1.51e-02	0.29	1.59e-02	1.46e-02
54	2	328	0.45	0.11	0.45	0.11	3.25e-03	0.27	-0.12	0.27	-0.11	-4.91e-02
54	2	329	0.39	-0.42	0.39	-0.42	3.25e-03	0.25	-0.29	0.25	-0.28	-6.40e-02
54	2	331	1.21	-0.14	1.03	4.64e-02	0.46	0.92	-1.68	-0.62	-0.14	-1.28
54	2	332	1.28	9.48e-02	1.06	0.32	0.46	-0.37	-8.26	-1.47	-7.16	-2.73
54	2	334	0.56	0.14	0.48	0.21	0.16	0.41	0.14	0.31	0.25	0.13
54	2	335	0.45	-0.39	0.42	-0.36	0.16	0.68	0.29	0.35	0.62	0.14
54	2	369	0.54	-0.17	0.29	7.71e-02	0.34	0.87	4.35e-02	0.86	5.27e-02	8.67e-02
54	2	372	0.49	-0.25	0.28	-4.30e-02	0.34	0.47	-3.52	0.44	-3.49	-0.35
...												
54	203	444	0.11	-0.34	0.10	-0.34	2.46e-02	0.73	0.42	0.72	0.43	-5.49e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-8.49	-2.79	-8.08	-2.11		-13.14	-2.47	-12.95	-3.52
			8.35		4.32	8.17	2.14	7.73		1.72	7.22	3.51

Macro	Tipo	Angolo 1-X (gradi)
55	**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
55	1	353	0.73	-6.28e-02	0.70	-3.62e-02	0.14	0.19	-0.63	0.16	-0.60	0.14
55	1	354	0.75	0.11	0.75	0.11	3.17e-02	0.27	0.11	0.27	0.11	-2.33e-03
55	1	355	0.76	0.12	0.76	0.12	1.94e-02	0.27	-1.16e-02	0.26	-9.10e-03	2.65e-02
55	1	356	0.77	0.15	0.77	0.15	1.99e-02	0.27	7.47e-03	0.27	7.50e-03	2.92e-03
55	1	357	0.77	0.19	0.77	0.19	-8.88e-03	0.26	7.12e-03	0.25	9.64e-03	2.49e-02
55	1	358	0.76	4.39e-03	0.73	3.62e-02	-0.15	0.17	-0.71	0.15	-0.69	-0.13
55	1	365	0.57	-0.33	0.57	-0.33	3.39e-02	2.13	0.50	0.64	1.99	-0.46
55	1	366	0.60	-0.31	0.60	-0.31	-4.86e-02	2.12	0.51	0.65	1.98	0.46
55	1	374	0.52	-8.08e-02	0.41	2.77e-02	-0.23	0.17	-0.30	4.07e-02	-0.17	-0.21
55	1	375	0.77	3.16e-02	0.73	6.46e-02	-0.15	0.22	-0.36	0.19	-0.33	-0.12
55	1	376	0.64	4.02e-02	0.64	4.41e-02	-4.86e-02	0.45	5.24e-02	0.42	8.33e-02	0.11
55	1	377	0.46	-0.30	0.38	-0.22	-0.23	0.62	0.10	0.13	0.59	-0.12

55	1	380	0.62	4.69e-02	0.62	4.89e-02	3.39e-02	0.44	3.72e-02	0.41	7.16e-02	-0.11
55	1	385	0.75	3.99e-02	0.72	7.00e-02	0.14	0.23	-0.30	0.20	-0.28	0.12
55	1	390	0.75	7.96e-02	0.75	8.11e-02	3.17e-02	0.26	6.54e-02	0.26	6.55e-02	-5.51e-03
55	1	395	0.76	0.11	0.76	0.11	1.94e-02	0.27	2.33e-02	0.27	2.57e-02	2.43e-02
55	1	400	0.76	0.10	0.76	0.10	1.99e-02	0.27	3.47e-02	0.27	3.49e-02	6.48e-03
55	1	405	0.76	7.61e-02	0.76	7.63e-02	-8.88e-03	0.26	2.07e-03	0.25	5.62e-03	2.98e-02
55	1	445	0.35	4.88e-03	0.35	1.06e-02	-4.42e-02	6.33e-02	-0.17	6.33e-02	-0.17	-1.33e-04
55	1	446	0.37	0.11	0.36	0.12	-4.42e-02	3.93e-02	-0.37	3.91e-02	-0.37	-1.06e-02
55	1	447	0.37	4.27e-02	0.36	4.39e-02	1.95e-02	9.93e-02	2.74e-02	9.74e-02	2.94e-02	1.16e-02
55	1	448	0.38	0.13	0.37	0.13	1.95e-02	0.10	7.05e-02	0.10	7.14e-02	5.21e-03
55	1	449	0.37	6.24e-02	0.37	6.37e-02	1.99e-02	0.11	-1.28e-03	0.10	3.99e-03	2.33e-02
55	1	450	0.37	8.58e-02	0.37	8.72e-02	1.99e-02	0.10	-2.45e-02	9.86e-02	-2.01e-02	2.33e-02
55	1	451	0.36	4.90e-02	0.36	5.04e-02	2.11e-02	0.12	2.33e-02	0.10	4.36e-02	3.99e-02
55	1	452	0.37	6.82e-02	0.37	6.97e-02	2.11e-02	0.14	5.44e-02	0.11	9.07e-02	4.39e-02
55	1	453	0.35	1.24e-02	0.35	2.00e-02	5.03e-02	7.61e-02	-0.14	7.39e-02	-0.14	2.20e-02
55	1	454	0.36	3.03e-02	0.35	3.82e-02	5.03e-02	5.48e-02	-0.32	5.20e-02	-0.32	3.27e-02
55	1	455	0.49	-6.24e-02	0.40	3.36e-02	0.21	0.17	-0.29	3.49e-02	-0.16	0.21
55	1	456	0.42	-0.33	0.36	-0.26	0.21	0.64	9.58e-02	0.13	0.61	0.13
55	2	353	0.85	-8.60e-02	0.81	-4.53e-02	0.19	9.31e-02	-0.85	7.69e-02	-0.83	0.12
55	2	354	0.87	0.15	0.87	0.15	4.02e-02	0.21	8.23e-02	0.21	8.28e-02	8.11e-03
55	2	355	0.89	0.16	0.89	0.16	1.93e-02	0.21	-5.98e-02	0.21	-5.63e-02	3.05e-02
55	2	356	0.90	0.19	0.90	0.19	2.00e-02	0.21	-3.97e-02	0.21	-3.97e-02	-1.12e-03
55	2	357	0.89	0.23	0.89	0.23	-1.73e-02	0.20	-2.17e-02	0.20	-2.07e-02	1.45e-02
55	2	358	0.88	-1.96e-02	0.84	2.71e-02	-0.20	7.52e-02	-0.93	6.19e-02	-0.92	-0.11
55	2	365	0.75	-0.39	0.75	-0.39	4.30e-02	2.83	0.67	0.85	2.66	-0.59
55	2	366	0.77	-0.37	0.77	-0.36	-5.78e-02	2.83	0.68	0.86	2.65	0.59
55	2	374	0.64	-0.12	0.51	1.08e-02	-0.28	0.23	-0.33	2.66e-02	-0.13	-0.27
55	2	375	0.89	2.25e-02	0.84	7.13e-02	-0.20	0.14	-0.61	0.10	-0.57	-0.16
55	2	376	0.82	1.95e-03	0.82	6.05e-03	-5.78e-02	0.65	0.42	0.60	0.47	9.61e-02
55	2	377	0.57	-0.36	0.47	-0.27	-0.28	0.77	0.12	0.13	0.76	-8.67e-02
55	2	380	0.80	8.46e-03	0.80	1.08e-02	4.30e-02	0.64	0.40	0.58	0.46	-0.10
55	2	385	0.87	3.09e-02	0.82	7.68e-02	0.19	0.16	-0.55	0.12	-0.51	0.16
55	2	390	0.86	6.70e-02	0.86	6.90e-02	4.02e-02	0.21	5.44e-02	0.21	5.46e-02	-5.98e-03
55	2	395	0.88	9.40e-02	0.88	9.45e-02	1.93e-02	0.22	-6.70e-03	0.22	-2.82e-03	2.94e-02
55	2	400	0.89	9.05e-02	0.88	9.10e-02	2.00e-02	0.22	6.41e-03	0.22	6.42e-03	1.40e-03
55	2	405	0.87	6.38e-02	0.87	6.42e-02	-1.73e-02	0.20	-9.73e-03	0.20	-5.31e-03	3.03e-02
...												
55	203	456	0.40	-0.29	0.35	-0.23	0.19	0.57	8.94e-02	9.91e-02	0.56	6.76e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-6.72	-1.85	-6.61	-1.38		-5.86	-0.70	-5.72	-1.67
			6.70		3.19	6.54	1.35	9.89		1.83	9.89	1.65

Macro	Tipo	Angolo 1-X (gradi)
64	**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
64	1	457	0.58	0.46	0.50	0.55	-5.69e-02	3.24e-02	-1.80	-0.35	-1.41	-0.75
64	1	458	0.43	-6.05e-02	0.43	-5.38e-02	-5.69e-02	1.21	-0.25	-6.34e-02	1.02	-0.49
64	1	460	0.44	-0.11	2.27e-02	0.31	-0.23	0.17	-1.86e-02	2.44e-02	0.12	-7.85e-02
64	1	461	0.30	-0.18	-1.76e-04	0.11	-0.23	0.21	-2.56e-02	2.78e-02	0.15	-9.78e-02
64	1	463	0.25	-7.05e-02	-1.38e-02	0.19	-0.12	8.43e-02	-7.04e-02	-1.38e-02	2.77e-02	7.45e-02
64	1	464	0.12	-0.13	-3.41e-02	2.37e-02	-0.12	3.15e-02	-0.15	-2.78e-02	-8.82e-02	8.43e-02
64	1	466	0.12	-4.87e-02	-2.19e-02	9.76e-02	-6.27e-02	5.08e-02	-3.08e-02	-1.69e-02	3.69e-02	3.06e-02
64	1	467	3.05e-02	-9.51e-02	-3.69e-02	-2.77e-02	-6.27e-02	2.49e-02	-3.12e-02	-1.97e-02	1.35e-02	2.26e-02
64	1	469	0.15	-2.03e-02	-1.79e-02	0.15	-2.00e-02	5.01e-02	-3.13e-02	-1.81e-02	3.70e-02	3.00e-02
64	1	470	-9.33e-03	-5.20e-02	-3.81e-02	-2.32e-02	-2.00e-02	5.55e-02	-4.01e-02	-1.85e-02	3.39e-02	4.00e-02
64	1	472	0.37	-5.81e-03	6.43e-03	0.36	6.65e-02	2.07e-02	-3.55e-02	-7.24e-03	-7.50e-03	-2.81e-02
64	1	473	6.65e-02	-7.78e-02	-3.36e-02	2.23e-02	6.65e-02	-2.72e-02	-0.23	-3.32e-02	-0.22	-3.44e-02
64	1	475	0.62	0.45	0.50	0.56	8.03e-02	4.01e-02	-1.74	-0.34	-1.35	0.73
64	1	476	0.44	-4.99e-02	0.43	-3.64e-02	8.03e-02	1.20	-0.24	-5.74e-02	1.03	0.48
64	1	478	0.56	-6.95e-02	4.00e-02	0.45	0.24	0.16	-4.29e-02	2.90e-02	8.56e-02	9.61e-02
64	1	479	0.30	-0.19	3.84e-04	0.12	0.24	0.15	-7.44e-02	2.46e-02	4.90e-02	0.11
64	1	513	0.63	0.14	0.28	0.49	0.22	2.65e-02	-0.43	2.40e-02	-0.43	3.36e-02
64	1	514	0.38	-0.10	0.23	4.72e-02	0.22	0.39	0.10	0.12	0.37	-6.55e-02
64	1	561	0.55	0.13	0.26	0.43	-0.19	2.37e-02	-0.44	2.16e-02	-0.44	-3.18e-02
64	1	564	0.33	-7.15e-02	1.03e-03	0.26	-0.16	0.12	-0.15	2.84e-02	-5.89e-02	0.13
64	1	567	0.18	-4.97e-02	-9.37e-03	0.14	-8.63e-02	0.11	-4.11e-02	5.63e-02	9.62e-03	7.03e-02
64	1	570	0.11	-2.53e-02	-1.28e-02	9.86e-02	-3.93e-02	8.46e-02	-1.62e-02	4.22e-02	2.62e-02	4.98e-02
64	1	573	0.25	4.38e-03	4.38e-03	0.25	-1.16e-03	7.31e-02	-2.79e-02	5.77e-02	-1.24e-02	3.64e-02
64	1	576	0.47	-1.25e-02	2.57e-02	0.44	0.13	7.44e-02	-0.14	3.51e-02	-9.62e-02	-8.19e-02
64	1	578	0.33	-8.81e-02	0.21	3.33e-02	-0.19	0.41	0.11	0.12	0.40	6.54e-02
64	1	580	0.19	-0.14	-2.14e-02	7.40e-02	-0.16	0.27	-9.01e-04	6.10e-02	0.21	0.11
64	1	582	6.90e-02	-0.10	-2.67e-02	-8.93e-03	-8.63e-02	8.17e-02	-9.07e-02	4.83e-02	-5.72e-02	6.82e-02
64	1	584	9.29e-03	-6.94e-02	-2.84e-02	-3.17e-02	-3.93e-02	9.41e-02	-4.24e-03	4.45e-02	4.54e-02	4.92e-02
64	1	586	-5.34e-03	-2.60e-02	-2.59e-02	-5.40e-03	-1.16e-03	6.19e-02	-0.10	4.87e-02	-8.75e-02	4.44e-02
64	1	588	0.17	-0.11	-1.74e-02	7.67e-02	0.13	0.19	2.59e-02	6.47e-02	0.15	-6.94e-02
64	2	457	0.87	0.66	0.71	0.82	-8.91e-02	-0.28	-2.32	-0.55	-2.06	-0.69
64	2	458	0.62	-2.34e-02	0.61	-1.08e-02	-8.91e-02	0.12	-0.48	-0.31	-5.15e-02	-0.27
64	2	460	0.72	1.09e-03	0.17	0.55	-0.30	0.24	-3.57e-02	5.25e-02	0.15	-0.13
64	2	461	0.46	-0.15	0.12	0.19	-0.30	0.37	-1.60e-02	6.93e-02	0.29	-0.16
64	2	463	0.48	5.71e-02	0.12	0.42	-0.15	0.11	-0.10	3.39e-03	6.49e-03	0.11
64	2	464	0.24	-6.81e-02	8.02e-02	8.68e-02	-0.15	3.62e-02	-0.26	-2.20e-02	-0.20	0.12
64	2	466	0.31	8.38e-02	0.11	0.29	-7.04e-02	5.04e-02	-2.07e-02	-1.84e-04	2.99e-02	3.22e-02
64	2	467	0.13	-2.12e-02	7.73e-02	2.92e-02	-7.04e-02	9.89e-03	-3.48e-02	-6.03e-03	-1.88e-02	2.14e-02
64	2	469	0.34	0.11	0.11	0.33	-1.22e-02	4.67e-02	-1.81e-02	-1.34e-03	2.99e-02	2.84e-02
64	2	470	7.94e-02	3.04e-02	7.61e-02	3.37e-02	-1.22e-02	3.97e-02	-4.29e-02	-4.75e-03	1.54e-03	4.12e-02
64	2	472	0.60	0.12	0.14	0.58	9.61e-02	5.26e-02	-7.13e-02	9.99e-03	-2.87e-02	-5.88e-02
64	2	473	0.18	-1.31e-02	8.06e-02	8.54e-02	9.61e-02	-1.30e-02	-0.35	-2.74e-02	-0.34	-6.85e-02
64	2	475	0.90	0.64	0.71	0.84	0.11	-0.28	-2.26	-0.54	-2.00	0.67
64	2	476	0.63	-1.37e-02	0.61	6.62e-03	0.11	0.11	-0.47	-0.31	-4.67e-02	0.26
64	2	478	0.84	3.91e-02	0.18	0.69	0.31	0.23	-6.42e-02	5.72e-02	0.11	0.15
64	2	479	0.46	-0.15	0.12	0.19	0.31	0.31	-5.86e-02	6.61e-02	0.18	0.17

64	2	513	0.93	0.27	0.45	0.75	0.29	3.76e-02	-0.68	3.41e-02	-0.67	5.00e-02
64	2	514	0.56	-8.78e-02	0.37	0.10	0.29	0.13	-0.25	9.01e-02	-0.21	-0.12
...												
64	203	588	0.21	-5.74e-02	4.66e-02	0.10	0.13	0.23	5.14e-03	6.01e-02	0.18	-9.75e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-8.44	-3.36	-8.37	-3.14		-12.44	-1.49	-12.42	-3.38
			8.46		4.31	8.39	3.17	13.47		1.12	13.37	3.34

Macro	Tipo	Angolo 1-X (gradi)
65	**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
65	1	485	0.50	-0.29	0.43	-0.22	-0.22	0.16	-0.31	2.30e-02	-0.18	-0.21
65	1	504	0.51	-0.15	0.43	-7.20e-02	0.21	0.16	-0.29	9.27e-03	-0.14	0.21
65	1	505	0.50	1.69e-02	0.48	4.53e-02	0.11	3.37e-02	-4.28e-02	-8.86e-03	-2.09e-04	3.80e-02
65	1	506	0.50	0.14	0.49	0.15	6.27e-02	6.25e-02	-4.43e-02	-1.48e-02	3.30e-02	4.77e-02
65	1	507	0.49	9.81e-02	0.49	9.91e-02	2.04e-02	5.14e-02	-2.84e-02	-1.38e-02	3.68e-02	3.09e-02
65	1	508	0.48	-0.13	0.47	-0.12	-5.90e-02	1.35e-02	-5.45e-02	3.60e-03	-4.46e-02	2.40e-02
65	1	509	0.48	-4.78e-02	0.29	0.15	0.26	0.89	-0.19	0.20	0.50	0.52
65	1	512	0.48	-0.11	0.29	8.68e-02	-0.28	0.87	-0.21	0.19	0.47	-0.52
65	1	518	0.27	-0.26	9.14e-02	-8.82e-02	-0.25	0.50	-0.27	0.12	0.11	-0.39
65	1	519	0.30	-0.22	9.99e-02	-1.74e-02	-0.25	0.27	-0.51	6.95e-02	-0.31	-0.34
65	1	520	0.55	-8.12e-02	0.46	6.85e-03	-0.22	2.95e-02	-0.72	-3.47e-02	-0.66	-0.21
65	1	521	0.45	-0.17	0.28	8.38e-03	-0.28	0.62	-0.37	0.15	0.11	-0.49
65	1	525	0.43	-0.14	0.27	1.65e-02	0.26	0.58	-0.38	0.15	5.79e-02	0.48
65	1	530	0.53	-7.21e-02	0.44	1.57e-02	0.21	4.38e-02	-0.57	-3.26e-02	-0.49	0.20
65	1	535	0.50	1.33e-02	0.48	4.15e-02	0.11	4.72e-02	-8.71e-03	-3.77e-03	4.22e-02	1.59e-02
65	1	540	0.49	6.82e-02	0.48	7.76e-02	6.27e-02	3.40e-02	-6.64e-02	-2.02e-02	-1.22e-02	5.01e-02
65	1	545	0.49	7.18e-02	0.49	7.28e-02	2.04e-02	5.81e-02	-2.83e-02	-1.30e-02	4.28e-02	3.29e-02
65	1	550	0.50	2.72e-02	0.49	3.46e-02	-5.90e-02	1.18e-02	-0.15	-7.33e-03	-0.14	5.31e-02
65	1	562	0.28	-0.17	0.10	9.96e-03	0.22	0.50	-0.23	0.12	0.15	0.36
65	1	565	0.38	-9.59e-02	0.33	-5.05e-02	0.14	0.13	-6.78e-02	7.57e-02	-1.60e-02	8.62e-02
65	1	568	0.39	7.21e-02	0.36	9.64e-02	8.37e-02	0.11	-6.02e-02	3.51e-02	1.72e-02	8.59e-02
65	1	571	0.37	0.12	0.37	0.13	3.94e-02	9.12e-02	-2.56e-02	4.08e-02	2.49e-02	5.78e-02
65	1	574	0.36	-1.50e-02	0.36	-1.50e-02	1.14e-03	7.82e-02	-3.99e-02	4.14e-02	-3.14e-03	5.47e-02
65	1	577	0.36	-0.25	0.33	-0.23	-0.12	9.99e-02	-5.82e-02	9.40e-02	-5.24e-02	-2.99e-02
65	1	590	0.39	-4.24e-02	0.36	-9.21e-03	-0.12	5.81e-02	-0.36	5.77e-02	-0.35	-1.23e-02
65	1	592	0.37	4.12e-02	0.37	4.12e-02	1.14e-03	0.10	-3.29e-02	4.50e-02	2.68e-02	6.82e-02
65	1	594	0.37	6.18e-02	0.36	6.70e-02	3.94e-02	8.15e-02	-3.98e-02	3.82e-02	3.46e-03	5.81e-02
65	1	596	0.38	2.72e-02	0.36	4.85e-02	8.37e-02	0.13	-3.27e-02	4.00e-02	5.75e-02	8.10e-02
65	1	598	0.39	-4.76e-02	0.34	2.72e-03	0.14	6.26e-02	-0.26	4.76e-02	-0.25	6.86e-02
65	1	600	0.28	-0.18	0.10	-7.20e-03	0.22	0.25	-0.45	6.62e-02	-0.27	0.31
65	2	485	0.54	-0.46	0.45	-0.37	-0.28	0.24	-0.51	2.41e-02	-0.29	-0.34
65	2	504	0.55	-0.32	0.45	-0.22	0.28	0.24	-0.49	1.03e-02	-0.26	0.34
65	2	505	0.54	-0.12	0.51	-8.71e-02	0.14	3.01e-02	-6.78e-02	-7.61e-03	-3.01e-02	4.77e-02
65	2	506	0.54	5.00e-02	0.53	6.03e-02	7.03e-02	6.03e-02	-6.01e-02	-1.63e-02	1.65e-02	5.79e-02
65	2	507	0.53	1.21e-02	0.53	1.24e-02	1.28e-02	2.98e-02	-2.48e-02	-1.52e-02	2.02e-02	2.07e-02
65	2	508	0.52	-0.26	0.51	-0.25	-8.42e-02	7.36e-03	-7.70e-02	4.85e-03	-7.45e-02	1.43e-02
65	2	509	0.64	-3.52e-02	0.37	0.23	0.33	1.36	-0.16	0.29	0.90	0.70
65	2	512	0.63	-9.37e-02	0.37	0.17	-0.35	1.34	-0.18	0.29	0.87	-0.70
65	2	518	0.34	-0.35	0.10	-0.11	-0.33	0.81	-0.44	0.15	0.22	-0.62
65	2	519	0.37	-0.31	0.11	-5.42e-02	-0.33	0.54	-0.62	9.81e-02	-0.17	-0.56
65	2	520	0.62	-0.13	0.50	-6.10e-03	-0.28	3.86e-02	-1.19	-7.10e-02	-1.08	-0.35
65	2	521	0.55	-0.26	0.34	-5.30e-02	-0.35	1.32	-0.10	0.29	0.93	-0.64
65	2	525	0.52	-0.23	0.33	-4.49e-02	0.33	1.27	-0.10	0.29	0.88	0.62
65	2	530	0.61	-0.12	0.48	2.74e-03	0.28	5.24e-02	-1.04	-6.88e-02	-0.92	0.34
65	2	535	0.55	-2.72e-02	0.52	8.31e-03	0.14	2.57e-02	-1.13e-02	-2.02e-03	1.65e-02	1.60e-02
65	2	540	0.54	3.24e-02	0.53	4.23e-02	7.03e-02	1.89e-02	-0.11	-2.61e-02	-6.52e-02	6.15e-02
65	2	545	0.54	3.71e-02	0.54	3.75e-02	1.28e-02	7.37e-03	-3.64e-02	-1.89e-02	-1.02e-02	2.15e-02
65	2	550	0.55	-1.15e-02	0.54	1.44e-03	-8.42e-02	1.07e-02	-0.18	-5.58e-03	-0.16	5.29e-02
...												
65	203	600	0.27	-0.20	9.56e-02	-2.43e-02	0.22	0.36	-0.44	7.39e-02	-0.15	0.38
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-6.67	-2.56	-6.19	-2.10		-9.98	-0.74	-9.89	-3.23
			6.37		3.12	6.10	2.08	11.40		1.25	11.40	3.16

Macro	Tipo	Angolo 1-X (gradi)
75	**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
75	1	458	0.65	-0.14	0.53	-1.73e-02	-0.29	1.30	-1.08	-0.22	0.44	1.14
75	1	459	0.76	0.13	0.57	0.32	-0.29	-9.54e-02	-7.26	-1.03	-6.33	2.42
75	1	461	0.22	-1.95e-02	0.10	0.10	-0.12	0.39	6.12e-02	0.34	0.11	-0.12
75	1	462	0.12	-0.21	7.18e-02	-0.16	-0.12	0.81	0.28	0.41	0.68	-0.23
75	1	464	8.43e-02	1.89e-02	7.31e-02	3.02e-02	-2.47e-02	0.33	-7.42e-03	0.33	5.69e-04	5.17e-02
75	1	465	4.55e-02	-0.22	4.32e-02	-0.22	-2.47e-02	0.32	-0.15	0.31	-0.13	7.67e-02
75	1	467	7.44e-02	-1.52e-02	6.88e-02	-9.64e-03	-2.17e-02	0.34	4.75e-02	0.34	4.77e-02	7.26e-03
75	1	468	4.60e-02	-0.22	4.42e-02	-0.21	-2.17e-02	0.34	4.48e-02	0.34	4.50e-02	6.60e-03
75	1	470	8.54e-02	-1.68e-02	7.40e-02	-5.43e-03	-3.21e-02	0.34	5.56e-02	0.34	5.71e-02	2.08e-02
75	1	471	4.78e-02	-0.26	4.44e-02	-0.25	-3.21e-02	0.34	6.05e-02	0.34	6.20e-02	2.05e-02
75	1	473	9.92e-02	3.13e-02	9.84e-02	3.21e-02	-7.08e-03	0.32	-6.46e-02	0.31	-6.22e-02	-3.01e-02
75	1	474	5.56e-02	-0.33	5.54e-02	-0.33	-7.08e-03	0.30	-0.25	0.29	-0.24	-5.75e-02
75	1	476	0.68	-0.15	0.54	-3.12e-03	0.32	1.30	-1.09	-0.23	0.44	-1.15
75	1	477	0.78	8.09e-02	0.57	0.29	0.32	-0.10	-7.27	-1.04	-6.32	-2.42

75	1	479	0.25	-2.09e-02	0.13	0.10	0.14	0.38	1.54e-02	0.33	6.11e-02	0.12
75	1	480	0.13	-0.30	8.59e-02	-0.25	0.14	0.74	0.24	0.40	0.58	0.23
75	1	514	0.34	-0.22	9.25e-02	2.63e-02	0.28	1.06	0.26	1.03	0.29	0.16
75	1	517	0.34	-0.22	9.21e-02	2.32e-02	0.28	0.64	-2.99	0.64	-2.98	-0.15
75	1	578	0.31	-0.19	9.70e-02	1.78e-02	-0.25	1.08	0.27	1.04	0.30	-0.16
75	1	579	0.34	-0.15	0.10	8.17e-02	-0.25	0.66	-2.97	0.65	-2.96	0.14
75	1	580	8.36e-02	9.01e-03	3.01e-02	6.25e-02	-3.36e-02	0.82	0.18	0.81	0.19	8.25e-02
75	1	581	2.94e-05	-0.23	-4.89e-03	-0.23	-3.36e-02	0.87	0.51	0.85	0.53	8.01e-02
75	1	582	2.98e-02	-1.30e-02	1.89e-02	-2.14e-03	-1.86e-02	0.84	7.12e-02	0.84	7.24e-02	2.96e-02
75	1	583	-5.27e-03	-0.22	-6.91e-03	-0.22	-1.86e-02	0.83	-6.33e-04	0.83	5.87e-04	3.19e-02
75	1	584	3.06e-02	-3.22e-02	1.79e-02	-1.96e-02	-2.52e-02	0.85	0.12	0.85	0.12	2.41e-02
75	1	585	-4.89e-03	-0.24	-7.68e-03	-0.23	-2.52e-02	0.85	0.14	0.85	0.14	2.46e-02
75	1	586	5.40e-02	-2.37e-02	2.86e-02	1.66e-03	-3.65e-02	0.84	5.73e-02	0.84	5.81e-02	2.44e-02
75	1	587	-2.52e-03	-0.30	-7.06e-03	-0.30	-3.65e-02	0.83	-1.97e-02	0.83	-1.93e-02	1.93e-02
75	1	588	8.52e-02	2.73e-02	4.63e-02	6.62e-02	2.72e-02	0.80	0.15	0.80	0.16	-5.92e-02
75	1	589	-1.25e-04	-0.34	-2.31e-03	-0.34	2.72e-02	0.84	0.48	0.83	0.49	-5.67e-02
75	2	458	0.91	-0.14	0.74	2.48e-02	-0.39	1.07	-1.54	-0.42	-5.63e-02	1.29
75	2	459	1.01	0.13	0.78	0.35	-0.39	-0.28	-8.07	-1.26	-7.09	2.58
75	2	461	0.38	4.70e-02	0.26	0.17	-0.16	0.37	8.72e-02	0.29	0.16	-0.12
75	2	462	0.26	-0.29	0.21	-0.24	-0.16	0.75	0.27	0.35	0.67	-0.19
75	2	464	0.23	8.00e-02	0.23	8.65e-02	-3.06e-02	0.28	-7.28e-02	0.27	-5.96e-02	6.72e-02
75	2	465	0.18	-0.31	0.18	-0.31	-3.06e-02	0.27	-0.24	0.25	-0.22	8.86e-02
75	2	467	0.22	3.90e-02	0.22	4.16e-02	-2.15e-02	0.29	2.59e-02	0.29	2.61e-02	7.08e-03
75	2	468	0.18	-0.30	0.18	-0.30	-2.15e-02	0.28	8.95e-03	0.28	9.22e-03	8.60e-03
75	2	470	0.23	4.02e-02	0.22	4.58e-02	-3.22e-02	0.29	3.38e-02	0.29	3.56e-02	2.10e-02
75	2	471	0.18	-0.34	0.18	-0.34	-3.22e-02	0.29	2.49e-02	0.29	2.62e-02	1.85e-02
75	2	473	0.25	8.83e-02	0.25	8.84e-02	-1.17e-03	0.26	-0.13	0.26	-0.12	-4.56e-02
75	2	474	0.19	-0.42	0.19	-0.42	-1.17e-03	0.24	-0.34	0.23	-0.33	-6.94e-02
75	2	476	0.94	-0.15	0.75	3.90e-02	0.41	1.07	-1.55	-0.43	-5.60e-02	-1.30
75	2	477	1.03	7.77e-02	0.79	0.32	0.41	-0.29	-8.07	-1.27	-7.09	-2.59
75	2	479	0.41	4.35e-02	0.29	0.17	0.18	0.35	4.51e-02	0.28	0.11	0.13
75	2	480	0.28	-0.39	0.23	-0.34	0.18	0.68	0.23	0.34	0.58	0.19
75	2	514	0.46	-0.23	0.17	6.46e-02	0.34	0.89	-3.30e-03	0.88	6.21e-03	9.16e-02
75	2	517	0.43	-0.28	0.16	-1.14e-02	0.34	0.47	-3.51	0.46	-3.49	-0.25
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75	203	589	4.74e-02	-0.34	4.51e-02	-0.34	2.98e-02	0.67	0.39	0.65	0.40	-6.17e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-6.93	-2.24	-6.54	-1.92		-12.45	-2.06	-12.27	-3.17
			6.76		3.37	6.61	1.95	6.61		1.52	6.09	3.16

Macro	Tipo	Angolo 1-X (gradi)
76	**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
76	1	498	0.59	-4.00e-02	0.56	-7.01e-03	0.14	0.20	-0.63	0.16	-0.60	0.18
76	1	499	0.60	0.12	0.60	0.12	3.17e-02	0.27	0.11	0.27	0.11	-4.17e-03
76	1	500	0.61	0.13	0.61	0.13	2.21e-02	0.27	-1.01e-02	0.26	-7.08e-03	2.89e-02
76	1	501	0.62	0.17	0.62	0.17	3.11e-02	0.27	4.35e-02	0.27	4.40e-02	1.08e-02
76	1	502	0.63	0.24	0.63	0.24	5.13e-04	0.25	-5.04e-02	0.25	-4.61e-02	3.59e-02
76	1	503	0.64	5.27e-02	0.59	9.81e-02	-0.16	0.18	-0.76	0.15	-0.73	-0.17
76	1	510	0.38	-0.34	0.37	-0.33	7.82e-02	2.10	0.42	0.50	2.02	-0.36
76	1	511	0.41	-0.31	0.39	-0.30	-0.10	2.11	0.44	0.52	2.04	0.35
76	1	519	0.47	-0.12	0.33	1.67e-02	-0.25	0.19	-0.31	1.97e-02	-0.14	-0.24
76	1	520	0.63	-8.22e-03	0.59	3.31e-02	-0.16	0.23	-0.30	0.20	-0.27	-0.12
76	1	521	0.46	7.00e-03	0.43	3.27e-02	-0.10	0.33	2.63e-02	0.28	7.42e-02	0.11
76	1	522	0.41	-0.28	0.31	-0.17	-0.25	0.68	2.17e-02	0.11	0.59	-0.22
76	1	525	0.43	2.18e-02	0.41	3.74e-02	7.82e-02	0.32	-4.51e-03	0.27	5.06e-02	-0.12
76	1	530	0.60	3.54e-03	0.56	3.87e-02	0.14	0.25	-0.23	0.21	-0.20	0.12
76	1	535	0.59	5.73e-02	0.59	5.91e-02	3.17e-02	0.26	5.09e-02	0.26	5.09e-02	-2.03e-03
76	1	540	0.61	8.69e-02	0.61	8.78e-02	2.21e-02	0.27	2.52e-02	0.27	2.78e-02	2.49e-02
76	1	545	0.61	8.23e-02	0.61	8.41e-02	3.11e-02	0.27	5.20e-02	0.27	5.29e-02	1.45e-02
76	1	550	0.61	5.45e-02	0.61	5.45e-02	5.13e-04	0.26	-3.55e-02	0.25	-3.12e-02	3.50e-02
76	1	590	0.29	-1.29e-02	0.28	-6.80e-03	-4.22e-02	0.12	-0.15	0.12	-0.15	1.63e-03
76	1	591	0.32	0.17	0.30	0.18	-4.22e-02	9.18e-02	-0.39	9.17e-02	-0.39	-8.46e-03
76	1	592	0.30	2.79e-02	0.30	3.31e-02	3.74e-02	0.15	2.00e-02	0.14	2.65e-02	2.78e-02
76	1	593	0.32	0.16	0.31	0.17	3.74e-02	0.15	6.28e-02	0.14	6.88e-02	2.21e-02
76	1	594	0.30	5.16e-02	0.30	5.42e-02	2.53e-02	0.15	1.13e-02	0.15	1.70e-02	2.78e-02
76	1	595	0.31	0.11	0.31	0.11	2.53e-02	0.15	-4.78e-03	0.14	5.97e-04	2.83e-02
76	1	596	0.30	3.80e-02	0.29	3.98e-02	2.14e-02	0.16	2.44e-02	0.14	4.09e-02	4.38e-02
76	1	597	0.30	8.79e-02	0.30	9.00e-02	2.14e-02	0.17	6.10e-02	0.15	8.81e-02	4.81e-02
76	1	598	0.29	-4.67e-03	0.28	3.95e-03	4.93e-02	0.13	-0.10	0.13	-0.10	2.43e-02
76	1	599	0.29	5.67e-02	0.28	6.74e-02	4.93e-02	0.11	-0.31	0.10	-0.31	3.44e-02
76	1	600	0.42	-9.35e-02	0.31	2.22e-02	0.22	0.18	-0.29	1.26e-02	-0.12	0.23
76	1	601	0.36	-0.31	0.28	-0.23	0.22	0.70	2.53e-02	0.10	0.62	0.21
76	2	498	0.67	-5.37e-02	0.62	-8.74e-04	0.19	0.12	-0.85	8.28e-02	-0.82	0.18
76	2	499	0.67	0.17	0.67	0.18	4.10e-02	0.21	6.93e-02	0.21	6.95e-02	5.43e-03
76	2	500	0.69	0.18	0.69	0.18	2.23e-02	0.22	-6.09e-02	0.21	-5.68e-02	3.33e-02
76	2	501	0.70	0.22	0.70	0.22	3.09e-02	0.22	-5.84e-03	0.22	-5.66e-03	6.45e-03
76	2	502	0.70	0.29	0.70	0.29	-8.85e-03	0.20	-8.46e-02	0.19	-8.21e-02	2.63e-02
76	2	503	0.72	3.64e-02	0.65	0.10	-0.20	9.52e-02	-0.98	6.55e-02	-0.95	-0.18
76	2	510	0.49	-0.39	0.48	-0.38	0.10	2.79	0.57	0.67	2.69	-0.45
76	2	511	0.52	-0.37	0.50	-0.35	-0.13	2.81	0.59	0.59	0.68	2.71	0.44
76	2	519	0.56	-0.17	0.39	-4.55e-03	-0.31	0.27	-0.34	7.55e-03	-8.38e-02	-0.30
76	2	520	0.70	-3.52e-02	0.64	2.64e-02	-0.20	0.17	-0.52	0.12	-0.48	-0.17
76	2	521	0.57	-3.62e-02	0.54	-7.17e-03	-0.13	0.54	0.32	0.41	0.45	0.10
76	2	522	0.50	-0.34	0.37	-0.21	-0.31	0.83	4.52e-02	0.11	0.77	-0.22
76	2	525	0.54	-2.20e-02	0.52	-2.50e-03	0.10	0.53	0.30	0.40	0.43	-0.12
76	2	530	0.67	-2.29e-02	0.62	3.21e-02	0.19	0.18	-0.45	0.13	-0.40	0.17
76	2	535	0.66	3.42e-02	0.65	3.69e-02	4.10e-02	0.21	3.27e-02	0.21	3.27e-02	-1.21e-03
76	2	540	0.67	6.35e-02	0.67	6.43e-02	2.23e-02	0.22	-6.08e-03	0.22	-2.10e-03	2.99e-02
76	2	545	0.68	5.91e-02	0.68	6.07e-02	3.09e-02	0.22	2.26e-02	0.22	2.30e-02	9.58e-03
76	2	550	0.67	3.22e-02	0.67	3.23e-02	-8.85e-03	0.20	-5.41e-02	0.20	-4.95e-02	3.42e-02

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76	203	601	0.34	-0.27	0.27	-0.20	0.20	0.61	3.51e-02	7.86e-02	0.57	0.15
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-4.92	-1.42	-4.86	-1.10		-5.06	-0.54	-4.92	-1.52
			4.95		2.35	4.80	1.06	9.18		1.61	9.18	1.49

Macro	Tipo	Angolo 1-X (gradi)
85	**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
85	1	602	0.46	0.29	0.33	0.41	-7.95e-02	4.18e-02	-1.35	-0.25	-1.06	-0.56
85	1	603	0.30	-6.37e-02	0.28	-4.53e-02	-7.95e-02	1.19	-7.48e-02	1.30e-02	1.10	-0.32
85	1	605	0.38	-0.17	-5.78e-02	0.26	-0.22	8.01e-02	2.13e-02	2.78e-02	7.35e-02	-1.85e-02
85	1	606	0.25	-0.23	-7.79e-02	9.52e-02	-0.22	5.34e-02	-5.36e-02	1.69e-02	-1.71e-02	-5.07e-02
85	1	608	0.20	-0.14	-9.31e-02	0.16	-0.12	8.06e-02	-6.93e-02	-9.37e-03	2.06e-02	7.34e-02
85	1	609	9.40e-02	-0.18	-0.11	2.20e-02	-0.12	3.82e-02	-0.13	-2.09e-02	-7.58e-02	8.21e-02
85	1	611	7.94e-02	-0.13	-0.10	5.27e-02	-7.00e-02	5.64e-02	-3.33e-02	-1.34e-02	3.66e-02	3.73e-02
85	1	612	1.38e-02	-0.15	-0.11	-2.48e-02	-7.00e-02	2.96e-02	-3.33e-02	-1.63e-02	1.26e-02	2.80e-02
85	1	614	0.11	-0.11	-0.10	0.10	-4.71e-02	6.33e-02	-4.02e-02	-1.75e-02	4.06e-02	4.28e-02
85	1	615	-2.82e-03	-0.14	-0.12	-2.22e-02	-4.71e-02	9.48e-02	-4.07e-02	-1.42e-02	6.83e-02	5.38e-02
85	1	617	0.36	-8.93e-02	-8.52e-02	0.36	4.31e-02	4.97e-03	-2.66e-02	-5.96e-04	-2.10e-02	-1.20e-02
85	1	618	2.62e-02	-0.14	-0.13	1.40e-02	4.31e-02	-2.83e-02	-0.26	-2.92e-02	-0.26	-1.48e-02
85	1	620	0.53	0.25	0.34	0.44	0.13	4.09e-02	-1.27	-0.23	-1.00	0.53
85	1	621	0.33	-7.80e-02	0.28	-3.26e-02	0.13	1.21	-4.96e-02	2.52e-02	1.14	0.30
85	1	623	0.55	-0.15	-5.08e-02	0.45	0.25	6.08e-02	-2.37e-03	3.42e-02	2.42e-02	3.12e-02
85	1	624	0.26	-0.26	-9.35e-02	9.01e-02	0.25	2.62e-02	-0.19	1.06e-02	-0.17	5.57e-02
85	1	658	0.59	4.80e-02	0.20	0.43	0.24	0.11	-0.34	8.57e-02	-0.32	-9.07e-02
85	1	659	0.35	-0.15	0.16	3.84e-02	0.24	0.40	5.28e-02	0.16	0.30	-0.16
85	1	706	0.46	5.01e-02	0.17	0.34	-0.18	9.85e-02	-0.34	8.53e-02	-0.32	7.46e-02
85	1	709	0.29	-0.13	-6.90e-02	0.23	-0.15	0.14	-0.14	5.26e-02	-5.58e-02	0.13
85	1	712	0.13	-0.12	-8.27e-02	9.55e-02	-8.79e-02	0.13	-4.06e-02	7.81e-02	1.12e-02	7.84e-02
85	1	715	6.91e-02	-0.11	-8.92e-02	5.21e-02	-5.18e-02	0.11	-1.72e-02	6.14e-02	2.83e-02	5.98e-02
85	1	718	0.23	-7.87e-02	-7.31e-02	0.23	-4.15e-02	0.11	-4.45e-02	7.86e-02	-1.19e-02	6.33e-02
85	1	721	0.48	-7.83e-02	-4.85e-02	0.45	0.13	9.26e-02	-0.13	6.26e-02	-9.92e-02	-7.58e-02
85	1	730	0.27	-0.11	0.13	2.85e-02	-0.18	0.41	8.23e-02	0.16	0.33	0.14
85	1	894	0.16	-0.18	-8.82e-02	6.57e-02	-0.15	0.23	-9.31e-03	7.68e-02	0.15	0.12
85	1	896	4.82e-02	-0.15	-9.49e-02	-5.87e-03	-8.79e-02	0.11	-8.25e-02	7.13e-02	-4.56e-02	7.54e-02
85	1	899	-1.52e-03	-0.13	-9.89e-02	-2.90e-02	-5.18e-02	0.12	1.38e-03	6.45e-02	5.39e-02	5.76e-02
85	1	901	8.98e-03	-0.12	-0.10	-6.71e-03	-4.15e-02	0.10	-0.11	7.05e-02	-7.98e-02	7.54e-02
85	1	903	0.13	-0.16	-9.46e-02	6.38e-02	0.13	0.13	5.78e-03	8.12e-02	5.55e-02	-6.12e-02
85	2	602	0.69	0.41	0.48	0.62	-0.12	-0.25	-1.65	-0.39	-1.51	-0.42
85	2	603	0.44	-3.48e-02	0.41	-1.78e-03	-0.12	2.84e-02	-0.21	-0.21	2.35e-02	-3.40e-02
85	2	605	0.62	-0.10	4.05e-02	0.47	-0.29	0.11	1.80e-02	5.16e-02	7.41e-02	-4.35e-02
85	2	606	0.38	-0.22	2.60e-03	0.16	-0.29	0.16	-3.49e-02	5.12e-02	7.09e-02	-9.55e-02
85	2	608	0.41	-5.64e-02	-2.12e-03	0.36	-0.15	0.10	-0.11	4.27e-03	-5.86e-03	0.10
85	2	609	0.18	-0.14	-3.58e-02	7.93e-02	-0.15	4.05e-02	-0.25	-1.80e-02	-0.19	0.12
85	2	611	0.25	-4.02e-02	-1.73e-02	0.22	-7.76e-02	5.45e-02	-2.92e-02	-2.31e-04	2.55e-02	3.98e-02
85	2	612	7.91e-02	-9.10e-02	-4.07e-02	2.88e-02	-7.76e-02	1.35e-02	-4.54e-02	-6.36e-03	-2.55e-02	2.78e-02
85	2	614	0.28	-2.10e-02	-1.57e-02	0.27	-3.94e-02	5.63e-02	-3.11e-02	-4.29e-03	2.95e-02	4.03e-02
85	2	615	4.81e-02	-6.15e-02	-4.48e-02	3.14e-02	-3.94e-02	6.95e-02	-4.36e-02	-4.22e-03	3.02e-02	5.39e-02
85	2	617	0.57	-3.51e-03	5.80e-03	0.56	7.25e-02	3.53e-02	-6.98e-02	1.30e-02	-4.75e-02	-4.30e-02
85	2	618	0.10	-8.63e-02	-5.30e-02	7.13e-02	7.25e-02	-1.95e-02	-0.38	-2.63e-02	-0.38	-4.91e-02
85	2	620	0.76	0.38	0.49	0.65	0.17	-0.25	-1.58	-0.38	-1.45	0.39
85	2	621	0.47	-5.12e-02	0.41	1.10e-02	0.17	6.67e-02	-0.20	-0.20	6.62e-02	1.13e-02
85	2	623	0.79	-8.28e-02	4.75e-02	0.66	0.31	0.10	-1.71e-02	5.81e-02	2.48e-02	5.62e-02
85	2	624	0.39	-0.25	-1.30e-02	0.15	0.31	9.96e-02	-0.14	4.49e-02	-8.50e-02	0.10
85	2	658	0.84	0.13	0.33	0.64	0.32	0.14	-0.52	0.12	-0.50	-0.10
85	2	659	0.51	-0.15	0.27	8.91e-02	0.32	0.24	-0.41	0.14	-0.31	-0.23
...												
85	203	903	0.17	-0.11	-2.74e-02	8.88e-02	0.12	0.17	-1.00e-02	7.52e-02	8.83e-02	-9.15e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-6.14	-2.58	-6.12	-2.69		-9.38	-1.14	-9.37	-2.94
			6.22		3.24	6.15	2.73	10.52		0.94	10.49	2.88

Macro	Tipo	Angolo 1-X (gradi)
86	**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
86	1	630	0.41	-0.38	0.33	-0.31	-0.23	0.13	-0.23	2.78e-02	-0.13	-0.16
86	1	649	0.40	-0.20	0.32	-0.11	0.21	0.12	-0.21	1.63e-03	-9.39e-02	0.16
86	1	650	0.39	-3.95e-02	0.36	-5.83e-03	0.12	3.74e-02	-5.71e-02	-1.48e-02	-4.90e-03	4.70e-02
86	1	651	0.39	8.30e-02	0.38	9.99e-02	7.04e-02	5.84e-02	-5.15e-02	-2.25e-02	2.94e-02	4.85e-02
86	1	652	0.38	3.93e-02	0.38	4.59e-02	4.70e-02	5.83e-02	-4.90e-02	-2.42e-02	3.34e-02	4.53e-02
86	1	653	0.38	-0.21	0.38	-0.21	-3.92e-02	2.50e-02	-5.69e-02	1.13e-02	-4.33e-02	3.05e-02
86	1	654	0.30	-0.15	0.13	2.27e-02	0.22	0.45	-0.21	8.70e-02	0.15	0.33
86	1	657	0.30	-0.24	0.12	-5.69e-02	-0.26	0.44	-0.26	7.84e-02	0.11	-0.35
86	1	663	0.18	-0.38	-1.08e-02	-0.20	-0.27	0.33	-0.29	5.75e-02	-1.31e-02	-0.31
86	1	664	0.26	-0.27	9.65e-03	-2.61e-02	-0.27	0.22	-0.43	3.08e-02	-0.24	-0.30
86	1	665	0.48	-0.13	0.37	-2.04e-02	-0.23	3.80e-02	-0.58	-1.97e-02	-0.52	-0.18
86	1	666	0.34	-0.20	0.13	1.27e-02	-0.26	0.44	-0.25	7.90e-02	0.11	-0.34
86	1	670	0.29	-0.15	0.12	1.26e-02	0.22	0.36	-0.26	7.21e-02	2.77e-02	0.31
86	1	675	0.43	-0.11	0.33	-1.41e-02	0.21	4.81e-02	-0.38	-2.45e-02	-0.31	0.16
86	1	680	0.40	-1.38e-02	0.36	2.18e-02	0.12	2.75e-02	-3.08e-02	-1.30e-02	9.75e-03	2.69e-02
86	1	685	0.39	4.53e-02	0.37	6.06e-02	7.04e-02	2.84e-02	-6.77e-02	-2.75e-02	-1.19e-02	4.74e-02

86	1	690	0.39	5.31e-02	0.38	5.99e-02	4.70e-02	0.12	-3.73e-02	-1.67e-02	9.53e-02	5.23e-02
86	1	695	0.41	1.32e-02	0.40	1.72e-02	-3.92e-02	7.33e-03	-0.24	-1.02e-02	-0.22	6.36e-02
86	1	707	0.19	-0.24	1.16e-02	-6.97e-02	0.21	0.31	-0.22	5.29e-02	3.09e-02	0.26
86	1	710	0.29	-0.14	0.24	-9.18e-02	0.14	0.12	-9.24e-02	4.98e-02	-2.35e-02	9.91e-02
86	1	713	0.29	1.74e-02	0.26	4.78e-02	8.65e-02	0.10	-7.81e-02	1.34e-02	1.07e-02	9.02e-02
86	1	716	0.29	7.44e-02	0.27	8.83e-02	5.24e-02	8.34e-02	-4.75e-02	1.28e-02	2.31e-02	6.52e-02
86	1	719	0.28	-8.86e-02	0.27	-8.46e-02	3.81e-02	9.87e-02	-8.72e-02	2.27e-02	-1.13e-02	9.14e-02
86	1	722	0.28	-0.34	0.25	-0.32	-0.12	9.10e-02	-7.55e-02	8.26e-02	-6.71e-02	-3.64e-02
86	1	905	0.33	-6.78e-02	0.29	-2.98e-02	-0.12	5.34e-02	-0.32	5.19e-02	-0.32	-2.32e-02
86	1	907	0.29	2.33e-02	0.29	2.88e-02	3.81e-02	0.13	-9.64e-02	2.53e-02	9.62e-03	0.11
86	1	909	0.28	4.25e-02	0.27	5.47e-02	5.24e-02	8.12e-02	-4.74e-02	1.26e-02	2.13e-02	6.42e-02
86	1	928	0.29	3.08e-03	0.26	3.20e-02	8.65e-02	0.11	-5.85e-02	1.65e-02	3.61e-02	8.43e-02
86	1	943	0.31	-7.98e-02	0.25	-1.86e-02	0.14	6.02e-02	-0.22	3.04e-02	-0.19	8.56e-02
86	1	953	0.21	-0.21	1.77e-02	-1.97e-02	0.21	0.18	-0.34	2.62e-02	-0.19	0.24
86	2	630	0.42	-0.56	0.32	-0.47	-0.30	0.21	-0.38	3.22e-02	-0.21	-0.27
86	2	649	0.41	-0.38	0.31	-0.27	0.27	0.20	-0.36	6.08e-03	-0.17	0.26
86	2	650	0.39	-0.20	0.35	-0.16	0.14	3.82e-02	-8.34e-02	-1.04e-02	-3.48e-02	5.95e-02
86	2	651	0.39	-3.52e-02	0.38	-2.04e-02	7.80e-02	5.55e-02	-6.46e-02	-2.08e-02	1.17e-02	5.78e-02
86	2	652	0.38	-7.79e-02	0.38	-7.45e-02	3.94e-02	3.74e-02	-4.40e-02	-2.24e-02	1.58e-02	3.59e-02
86	2	653	0.38	-0.37	0.37	-0.36	-6.52e-02	1.92e-02	-7.67e-02	1.57e-02	-7.32e-02	1.80e-02
86	2	654	0.37	-0.18	0.15	4.32e-02	0.27	0.68	-0.19	0.13	0.36	0.42
86	2	657	0.38	-0.28	0.14	-3.64e-02	-0.32	0.66	-0.23	0.12	0.31	-0.44
86	2	663	0.21	-0.50	-3.04e-02	-0.25	-0.34	0.55	-0.45	5.88e-02	3.98e-02	-0.50
86	2	664	0.30	-0.38	-7.65e-03	-6.56e-02	-0.34	0.48	-0.50	4.57e-02	-6.96e-02	-0.49
86	2	665	0.52	-0.20	0.37	-4.63e-02	-0.30	5.33e-02	-0.95	-4.56e-02	-0.85	-0.30
86	2	666	0.38	-0.28	0.14	-4.41e-02	-0.32	1.08	8.05e-03	0.19	0.90	-0.41
86	2	670	0.33	-0.24	0.14	-4.42e-02	0.27	0.99	1.18e-02	0.19	0.82	0.37
86	2	675	0.48	-0.18	0.33	-3.99e-02	0.27	6.19e-02	-0.76	-5.05e-02	-0.64	0.28
86	2	680	0.42	-6.49e-02	0.37	-1.86e-02	0.14	1.17e-02	-5.41e-02	-1.01e-02	-3.23e-02	3.10e-02
86	2	685	0.40	1.94e-03	0.38	1.80e-02	7.80e-02	1.24e-02	-0.11	-3.01e-02	-6.58e-02	5.76e-02
86	2	690	0.39	1.32e-02	0.39	1.73e-02	3.94e-02	6.30e-02	-4.09e-02	-1.94e-02	4.15e-02	4.21e-02
86	2	695	0.42	-3.28e-02	0.41	-2.32e-02	-6.52e-02	5.77e-03	-0.28	-7.29e-03	-0.27	5.95e-02
...												
86	203	953	0.21	-0.23	1.37e-02	-3.50e-02	0.21	0.31	-0.35	3.55e-02	-7.70e-02	0.33
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-4.03	-1.57	-3.71	-1.54		-6.83	-0.48	-6.79	-2.78
			3.76		1.82	3.64	1.49	8.29		0.83	8.29	2.69

Macro	Tipo	Angolo 1-X (gradi)
96	**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
96	1	603	0.45	-0.14	0.33	-2.14e-02	-0.24	1.40	-0.98	-7.50e-02	0.49	1.15
96	1	604	0.59	0.11	0.37	0.32	-0.24	-4.42e-02	-7.18	-0.89	-6.33	2.31
96	1	606	0.15	-0.11	-3.39e-02	7.64e-02	-0.12	0.36	-1.01e-02	0.32	3.01e-02	-0.12
96	1	607	4.27e-02	-0.21	-5.59e-02	-0.11	-0.12	0.85	0.24	0.40	0.69	-0.27
96	1	609	2.75e-02	-6.94e-02	-6.15e-02	1.96e-02	-2.65e-02	0.32	-4.28e-03	0.31	4.43e-03	5.27e-02
96	1	610	-7.86e-02	-0.19	-8.55e-02	-0.18	-2.65e-02	0.31	-0.15	0.30	-0.14	8.34e-02
96	1	612	-7.03e-03	-7.82e-02	-6.84e-02	-1.68e-02	-2.45e-02	0.33	4.55e-02	0.33	4.58e-02	9.33e-03
96	1	613	-8.14e-02	-0.18	-8.76e-02	-0.18	-2.45e-02	0.33	4.51e-02	0.33	4.54e-02	8.87e-03
96	1	615	1.51e-02	-9.52e-02	-6.59e-02	-1.41e-02	-4.87e-02	0.34	6.90e-02	0.33	7.18e-02	2.68e-02
96	1	616	-7.59e-02	-0.24	-9.15e-02	-0.23	-4.87e-02	0.34	9.48e-02	0.34	9.80e-02	2.74e-02
96	1	618	2.28e-02	-4.93e-02	-4.36e-02	1.72e-02	-1.94e-02	0.31	-8.15e-02	0.30	-8.01e-02	-2.36e-02
96	1	619	-8.55e-02	-0.35	-8.69e-02	-0.34	-1.94e-02	0.28	-0.30	0.28	-0.30	-5.70e-02
96	1	621	0.49	-0.17	0.33	-1.14e-02	0.29	1.41	-0.99	-8.47e-02	0.51	-1.16
96	1	622	0.62	3.63e-02	0.37	0.28	0.29	-3.39e-02	-7.13	-0.90	-6.27	-2.32
96	1	624	0.19	-0.13	-1.50e-02	7.61e-02	0.15	0.35	-7.63e-02	0.31	-4.17e-02	0.12
96	1	625	2.75e-02	-0.33	-5.44e-02	-0.25	0.15	0.75	0.19	0.38	0.55	0.27
96	1	659	0.30	-0.28	-6.87e-04	1.51e-02	0.29	1.08	0.22	1.05	0.25	0.16
96	1	662	0.31	-0.27	1.96e-03	3.71e-02	0.29	0.66	-2.98	0.66	-2.98	-7.16e-02
96	1	730	0.25	-0.22	1.68e-02	1.20e-02	-0.23	1.10	0.23	1.06	0.27	-0.17
96	1	893	0.31	-0.16	3.00e-02	0.12	-0.23	0.67	-2.96	0.67	-2.96	5.15e-02
96	1	894	6.95e-02	-4.34e-02	-2.91e-02	5.52e-02	-3.76e-02	0.75	0.14	0.74	0.15	9.01e-02
96	1	895	-4.62e-02	-0.19	-5.70e-02	-0.18	-3.76e-02	0.81	0.49	0.78	0.52	8.75e-02
96	1	896	6.92e-03	-4.90e-02	-4.13e-02	-7.21e-04	-1.92e-02	0.79	6.87e-02	0.79	7.02e-02	3.27e-02
96	1	898	-5.84e-02	-0.17	-6.17e-02	-0.17	-1.92e-02	0.78	-4.74e-03	0.78	-3.11e-03	3.59e-02
96	1	899	2.35e-03	-6.50e-02	-4.41e-02	-1.85e-02	-3.11e-02	0.80	0.12	0.80	0.12	2.87e-02
96	1	900	-5.74e-02	-0.20	-6.47e-02	-0.19	-3.11e-02	0.80	0.14	0.80	0.14	3.02e-02
96	1	901	5.00e-02	-8.47e-02	-3.47e-02	-2.64e-06	-6.50e-02	0.79	5.21e-02	0.79	5.45e-02	4.22e-02
96	1	902	-5.05e-02	-0.30	-6.87e-02	-0.28	-6.50e-02	0.78	-2.69e-02	0.78	-2.51e-02	3.73e-02
96	1	903	6.72e-02	-2.81e-02	-1.67e-02	5.58e-02	3.10e-02	0.73	0.10	0.73	0.11	-6.29e-02
96	1	904	-6.15e-02	-0.35	-6.48e-02	-0.35	3.10e-02	0.78	0.44	0.77	0.45	-6.05e-02
96	2	603	0.64	-0.15	0.47	1.77e-02	-0.32	1.20	-1.43	-0.23	-4.98e-03	1.31
96	2	604	0.77	0.11	0.51	0.36	-0.32	-0.21	-7.96	-1.08	-7.10	2.44
96	2	606	0.26	-6.44e-02	6.76e-02	0.13	-0.16	0.32	4.43e-03	0.27	6.15e-02	-0.12
96	2	607	0.12	-0.26	3.15e-02	-0.17	-0.16	0.81	0.22	0.34	0.69	-0.24
96	2	609	9.01e-02	1.35e-02	3.50e-02	6.85e-02	-3.45e-02	0.27	-6.98e-02	0.26	-5.53e-02	6.88e-02
96	2	610	-1.90e-04	-0.27	-4.71e-03	-0.26	-3.45e-02	0.26	-0.25	0.24	-0.23	9.74e-02
96	2	612	5.22e-02	2.30e-03	2.55e-02	2.90e-02	-2.49e-02	0.28	2.14e-02	0.27	2.17e-02	9.49e-03
96	2	613	-5.62e-03	-0.25	-8.13e-03	-0.25	-2.49e-02	0.27	6.01e-03	0.27	6.45e-03	1.09e-02
96	2	615	7.81e-02	-1.86e-02	2.79e-02	3.16e-02	-4.83e-02	0.28	4.47e-02	0.28	4.77e-02	2.67e-02
96	2	616	-4.17e-03	-0.31	-1.20e-02	-0.30	-4.83e-02	0.29	5.62e-02	0.28	5.90e-02	2.54e-02
96	2	618	7.27e-02	4.63e-02	5.29e-02	6.61e-02	-1.15e-02	0.25	-0.14	0.25	-0.14	-3.96e-02
96	2	619	-5.80e-03	-0.43	-6.12e-03	-0.43	-1.15e-02	0.22	-0.40	0.22	-0.39	-7.11e-02
96	2	621	0.68	-0.18	0.48	2.77e-02	0.37	1.21	-1.43	-0.23	1.26e-02	-1.32
96	2	622	0.80	4.01e-02	0.51	0.32	0.37	-0.20	-7.92	-1.08	-7.04	-2.45
96	2	624	0.30	-8.34e-02	8.66e-02	0.13	0.19	0.31	-5.81e-02	0.26	-1.02e-02	0.12
96	2	625	0.12	-0.40	3.30e-02	-0.32	0.19	0.70	0.17	0.32	0.55	0.24
96	2	659	0.40	-0.30	4.39e-02	4.93e-02	0.35	0.91	-5.03e-02	0.90	-3.94e-02	0.10
96	2	662	0.38	-0.32	4.04e-02	1.96e-02	0.35	0.49	-3.50	0.48	-3.49	-0.14
...												
96	203	904	-1.14e-02	-0.34	-1.50e-02	-0.34	3.42e-02	0.60	0.35	0.58	0.37	-6.68e-02

M_G	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		-5.17	-1.65	-5.05	-1.70		-11.61	-1.67	-11.43	-2.79
	4.98		2.38	4.85	1.75	5.30		1.32	4.78	2.78

Macro	Tipo	Angolo 1-X (gradi)
97	**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
97	1	643	0.43	-3.24e-02	0.39	8.47e-03	0.13	0.20	-0.62	0.15	-0.56	0.21
97	1	644	0.44	0.12	0.43	0.12	3.07e-02	0.24	9.21e-02	0.24	9.23e-02	-5.47e-03
97	1	645	0.44	0.12	0.44	0.13	2.44e-02	0.24	-1.51e-02	0.24	-1.19e-02	2.87e-02
97	1	646	0.46	0.17	0.45	0.17	4.82e-02	0.27	0.12	0.26	0.12	2.97e-02
97	1	647	0.50	0.30	0.50	0.30	1.60e-02	0.25	-0.15	0.24	-0.14	5.83e-02
97	1	648	0.53	9.56e-02	0.46	0.17	-0.16	0.20	-0.82	0.15	-0.77	-0.22
97	1	655	0.19	-0.35	0.17	-0.32	0.12	2.04	0.32	0.36	2.00	-0.27
97	1	656	0.24	-0.34	0.19	-0.28	-0.16	2.13	0.35	0.38	2.10	0.23
97	1	664	0.43	-0.17	0.25	8.52e-03	-0.27	0.22	-0.33	-2.64e-03	-0.11	-0.27
97	1	665	0.49	-5.09e-02	0.44	2.94e-03	-0.16	0.25	-0.25	0.21	-0.21	-0.13
97	1	666	0.32	-6.70e-02	0.22	2.51e-02	-0.16	0.22	-1.80e-02	0.14	6.28e-02	0.11
97	1	667	0.38	-0.27	0.23	-0.12	-0.27	0.75	-7.55e-02	8.19e-02	0.60	-0.32
97	1	670	0.27	-3.17e-02	0.21	2.35e-02	0.12	0.22	-7.02e-02	0.13	2.39e-02	-0.14
97	1	675	0.43	-3.50e-02	0.39	5.65e-03	0.13	0.24	-0.16	0.20	-0.12	0.12
97	1	680	0.42	3.13e-02	0.42	3.37e-02	3.07e-02	0.24	3.35e-02	0.24	3.35e-02	1.43e-03
97	1	685	0.44	6.27e-02	0.43	6.43e-02	2.44e-02	0.25	2.29e-02	0.24	2.54e-02	2.35e-02
97	1	690	0.45	5.77e-02	0.44	6.38e-02	4.82e-02	0.26	7.08e-02	0.25	7.47e-02	2.67e-02
97	1	695	0.47	3.13e-02	0.47	3.19e-02	1.60e-02	0.26	-7.73e-02	0.25	-7.10e-02	4.52e-02
97	1	905	0.22	-3.05e-02	0.21	-2.39e-02	-3.99e-02	0.18	-0.13	0.18	-0.13	2.74e-03
97	1	906	0.29	0.21	0.25	0.26	-3.99e-02	0.15	-0.41	0.15	-0.41	-6.99e-03
97	1	907	0.24	5.76e-04	0.22	2.25e-02	6.98e-02	0.19	2.20e-03	0.17	2.36e-02	6.02e-02
97	1	908	0.30	0.16	0.25	0.21	6.98e-02	0.21	3.53e-02	0.18	6.69e-02	6.68e-02
97	1	909	0.23	3.87e-02	0.22	4.38e-02	3.06e-02	0.17	2.28e-02	0.17	2.90e-02	2.98e-02
97	1	927	0.24	0.11	0.23	0.11	3.06e-02	0.17	2.38e-02	0.17	3.07e-02	3.14e-02
97	1	928	0.22	2.41e-02	0.21	2.63e-02	2.06e-02	0.17	1.88e-02	0.16	3.43e-02	4.62e-02
97	1	938	0.23	9.18e-02	0.22	9.50e-02	2.06e-02	0.19	5.41e-02	0.16	7.81e-02	5.07e-02
97	1	943	0.21	-2.33e-02	0.20	-1.33e-02	4.71e-02	0.16	-7.02e-02	0.16	-6.71e-02	2.62e-02
97	1	948	0.23	6.65e-02	0.21	8.20e-02	4.71e-02	0.13	-0.29	0.13	-0.29	3.58e-02
97	1	953	0.35	-0.12	0.21	8.84e-03	0.21	0.18	-0.29	-2.26e-02	-9.14e-02	0.23
97	1	958	0.28	-0.30	0.19	-0.20	0.21	0.74	-4.79e-02	6.38e-02	0.63	0.27
97	2	643	0.47	-4.45e-02	0.40	2.55e-02	0.18	0.13	-0.82	7.42e-02	-0.76	0.23
97	2	644	0.46	0.18	0.45	0.18	4.12e-02	0.19	5.14e-02	0.19	5.15e-02	2.87e-03
97	2	645	0.47	0.18	0.47	0.18	2.50e-02	0.20	-6.60e-02	0.19	-6.17e-02	3.33e-02
97	2	646	0.49	0.22	0.48	0.23	4.76e-02	0.22	6.87e-02	0.21	7.31e-02	2.51e-02
97	2	647	0.52	0.36	0.52	0.36	5.52e-03	0.20	-0.19	0.19	-0.18	5.00e-02
97	2	648	0.58	7.58e-02	0.47	0.19	-0.21	0.13	-1.02	7.48e-02	-0.96	-0.24
97	2	655	0.25	-0.41	0.21	-0.37	0.15	2.70	0.43	0.48	2.65	-0.32
97	2	656	0.29	-0.40	0.23	-0.34	-0.20	2.79	0.46	0.49	2.76	0.28
97	2	664	0.49	-0.23	0.28	-1.63e-02	-0.33	0.31	-0.36	-1.03e-02	-3.54e-02	-0.33
97	2	665	0.53	-9.58e-02	0.45	-1.62e-02	-0.21	0.20	-0.42	0.15	-0.37	-0.18
97	2	666	0.37	-0.12	0.27	-1.47e-02	-0.20	0.47	0.17	0.21	0.42	0.11
97	2	667	0.45	-0.32	0.26	-0.14	-0.33	0.92	-5.79e-02	8.68e-02	0.77	-0.35
97	2	670	0.32	-8.63e-02	0.25	-1.63e-02	0.15	0.46	0.13	0.21	0.39	-0.14
97	2	675	0.47	-7.91e-02	0.40	-1.35e-02	0.18	0.19	-0.33	0.13	-0.27	0.17
97	2	680	0.44	-6.84e-04	0.43	3.23e-03	4.12e-02	0.19	8.36e-03	0.19	8.43e-03	3.52e-03
97	2	685	0.45	3.09e-02	0.45	3.24e-02	2.50e-02	0.20	-8.11e-03	0.20	-4.32e-03	2.81e-02
97	2	690	0.46	2.66e-02	0.45	3.19e-02	4.76e-02	0.21	4.21e-02	0.21	4.50e-02	2.21e-02
97	2	695	0.48	1.33e-03	0.48	1.39e-03	5.52e-03	0.21	-0.10	0.20	-9.61e-02	4.31e-02
...												
97	203	958	0.27	-0.26	0.18	-0.17	0.20	0.66	-3.18e-02	4.69e-02	0.58	0.22
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.93	-0.82	-2.91	-0.83		-4.16	-0.50	-4.06	-1.38
			2.98		1.33	2.86	0.77	8.40		1.31	8.39	1.33

Macro	Tipo	Angolo 1-X (gradi)
106	**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
106	1	46	0.19	-3.87e-02	0.16	-1.55e-02	-6.86e-02	1.16	6.43e-02	8.10e-02	1.14	-0.13
106	1	48	0.29	-0.16	-6.83e-02	0.20	-0.19	6.78e-02	-4.46e-03	4.26e-02	2.07e-02	3.45e-02
106	1	49	0.21	-0.20	-8.15e-02	8.75e-02	-0.19	1.96e-02	-0.17	1.92e-02	-0.17	-8.29e-03
106	1	52	0.16	-0.16	-0.10	0.11	-0.12	8.74e-02	-5.81e-02	1.41e-02	1.52e-02	7.28e-02
106	1	53	0.10	-0.18	-0.11	3.55e-02	-0.12	6.49e-02	-0.11	5.65e-03	-5.53e-02	8.44e-02
106	1	55	4.11e-02	-0.16	-0.12	9.23e-04	-7.96e-02	6.00e-02	-1.57e-02	7.98e-03	3.63e-02	3.51e-02
106	1	56	3.31e-02	-0.16	-0.12	-8.90e-03	-7.96e-02	1.64e-02	-1.79e-02	3.07e-03	-4.54e-03	1.67e-02
106	1	58	0.10	-0.16	-0.12	5.98e-02	-9.48e-02	9.54e-02	-6.33e-02	-1.73e-03	3.39e-02	7.73e-02
106	1	59	3.75e-02	-0.18	-0.13	-1.77e-02	-9.48e-02	0.19	-4.40e-02	1.08e-02	0.14	9.99e-02
106	1	61	0.34	-0.19	-0.19	0.34	-2.51e-04	1.84e-02	-3.41e-02	5.27e-03	-2.10e-02	-2.27e-02
106	1	62	3.60e-02	-0.22	-0.22	3.60e-02	-2.51e-04	-2.22e-02	-0.32	-2.97e-02	-0.31	-4.65e-02
106	1	81	0.43	8.67e-02	0.20	0.31	0.16	5.24e-03	-0.78	-0.13	-0.64	0.30
106	1	91	0.25	-0.12	0.16	-2.99e-02	0.16	1.07	7.29e-02	7.52e-02	1.07	4.80e-02
106	1	101	0.52	-0.24	-0.15	0.42	0.25	3.12e-02	-2.60e-02	3.11e-02	-2.59e-02	1.95e-03
106	1	106	0.23	-0.33	-0.19	8.77e-02	0.25	-3.14e-03	-0.39	-1.17e-02	-0.38	5.68e-02
106	1	116	0.20	-9.36e-02	6.70e-02	3.71e-02	-0.14	0.46	2.75e-02	0.22	0.27	0.21
106	1	192	0.15	-0.19	-0.10	6.73e-02	-0.14	0.22	-1.23e-02	0.11	9.15e-02	0.11
106	1	196	5.84e-02	-0.16	-0.11	9.86e-03	-9.13e-02	0.15	-8.60e-02	0.12	-5.39e-02	8.11e-02

106	1	198	1.31e-02	-0.16	-0.12	-2.18e-02	-6.83e-02	0.17	5.49e-02	0.10	0.13	5.84e-02
106	1	200	6.53e-02	-0.22	-0.16	1.07e-02	-0.11	0.16	-0.21	0.11	-0.17	0.12
106	1	202	0.13	-0.19	-0.14	7.41e-02	0.12	0.14	3.45e-02	9.55e-02	8.27e-02	-5.43e-02
106	1	344	0.52	-4.49e-02	0.12	0.35	0.25	0.28	-0.28	0.17	-0.18	-0.22
106	1	345	0.32	-0.19	8.12e-02	4.30e-02	0.25	0.41	-0.13	0.21	7.82e-02	-0.26
106	1	634	0.31	-4.45e-03	8.90e-02	0.22	-0.14	0.23	-0.25	0.17	-0.18	0.17
106	1	637	0.23	-0.16	-9.25e-02	0.17	-0.14	0.17	-0.12	9.58e-02	-4.98e-02	0.13
106	1	640	8.61e-02	-0.15	-0.11	4.34e-02	-9.13e-02	0.17	-2.97e-02	0.13	1.67e-02	8.54e-02
106	1	660	3.01e-02	-0.15	-0.12	-1.33e-03	-6.83e-02	0.13	-8.22e-03	9.20e-02	3.15e-02	6.31e-02
106	1	676	0.23	-0.17	-0.14	0.19	-0.11	0.20	-5.74e-02	0.13	6.33e-03	0.11
106	1	691	0.48	-0.12	-9.45e-02	0.45	0.12	9.12e-02	-0.15	7.04e-02	-0.13	-6.74e-02
106	1	963	0.29	0.15	0.20	0.24	-6.86e-02	6.17e-02	-0.86	-0.14	-0.66	-0.38
106	2	46	0.28	-2.12e-02	0.24	2.46e-02	-0.11	0.18	-0.28	-0.12	1.97e-02	0.22
106	2	48	0.47	-0.14	-2.69e-02	0.36	-0.24	7.03e-02	-8.69e-03	5.77e-02	3.89e-03	2.89e-02
106	2	49	0.31	-0.22	-5.25e-02	0.14	-0.24	5.42e-02	-0.12	4.43e-02	-0.11	-4.02e-02
106	2	52	0.33	-0.12	-6.79e-02	0.28	-0.15	0.11	-0.10	2.09e-02	-1.61e-02	0.10
106	2	53	0.17	-0.18	-9.08e-02	8.67e-02	-0.15	6.32e-02	-0.23	2.34e-03	-0.17	0.12
106	2	55	0.18	-0.11	-8.51e-02	0.15	-8.78e-02	5.68e-02	-2.04e-02	1.48e-02	2.16e-02	3.84e-02
106	2	56	8.30e-02	-0.14	-9.80e-02	4.04e-02	-8.78e-02	1.20e-02	-5.15e-02	6.64e-03	-4.62e-02	1.76e-02
106	2	58	0.23	-0.11	-8.45e-02	0.21	-8.66e-02	8.65e-02	-6.22e-02	5.08e-03	1.92e-02	7.40e-02
106	2	59	7.35e-02	-0.15	-0.11	3.16e-02	-8.66e-02	0.16	-5.18e-02	1.43e-02	9.63e-02	9.90e-02
106	2	61	0.51	-0.15	-0.15	0.51	3.00e-02	4.20e-02	-8.22e-02	1.20e-02	-5.23e-02	-5.31e-02
106	2	62	9.03e-02	-0.20	-0.20	8.72e-02	3.00e-02	-1.69e-02	-0.44	-3.30e-02	-0.43	-8.14e-02
106	2	81	0.58	0.15	0.29	0.44	0.20	-0.22	-0.91	-0.23	-0.90	7.35e-02
106	2	91	0.35	-0.11	0.24	1.02e-02	0.20	0.22	-0.40	-0.12	-5.51e-02	-0.31
106	2	101	0.70	-0.22	-0.11	0.58	0.30	4.68e-02	-4.34e-02	4.61e-02	-4.28e-02	7.51e-03
106	2	106	0.33	-0.35	-0.16	0.14	0.30	3.58e-02	-0.34	1.34e-02	-0.32	8.87e-02
106	2	116	0.32	-9.11e-02	0.14	8.37e-02	-0.20	0.33	-0.48	0.21	-0.37	0.29
106	2	192	0.23	-0.20	-9.05e-02	0.12	-0.19	0.32	-3.25e-02	0.14	0.15	0.18
106	2	196	0.11	-0.15	-9.99e-02	6.00e-02	-0.11	0.17	-0.15	0.14	-0.11	0.10
...												
106	203	963	0.37	0.21	0.27	0.31	-7.76e-02	-9.56e-02	-0.83	-0.19	-0.74	-0.24
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-3.83	-1.66	-3.65	-2.52		-5.94	-0.72	-5.93	-2.56
			4.94		2.22	4.31	2.60	7.34		0.69	7.34	2.48

Macro	Tipo	Angolo 1-X (gradi)
107	**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
107	1	194	0.34	-0.45	0.26	-0.37	-0.24	0.12	-0.16	2.91e-02	-7.13e-02	0.13
107	1	204	0.28	-0.13	0.24	-8.81e-02	-0.12	0.39	0.29	0.37	0.32	-3.85e-02
107	1	206	0.21	-5.57e-02	0.17	-1.57e-02	9.46e-02	4.96e-03	-0.38	-0.12	-0.25	0.18
107	1	256	0.22	-0.25	0.12	-0.15	0.19	7.11e-02	-0.15	-3.08e-02	-4.93e-02	0.11
107	1	261	0.21	-0.11	0.15	-6.08e-02	0.12	3.11e-02	-7.32e-02	-3.66e-02	-5.44e-03	4.98e-02
107	1	336	0.21	2.93e-03	0.17	4.36e-02	8.15e-02	5.43e-02	-7.54e-02	-4.37e-02	2.26e-02	5.58e-02
107	1	337	0.20	-6.81e-02	0.16	-2.90e-02	9.49e-02	4.01e-02	-9.28e-02	-7.23e-02	1.97e-02	4.79e-02
107	1	338	0.29	-0.28	0.29	-0.28	-1.79e-02	0.22	-0.22	2.93e-02	-2.35e-02	-0.22
107	1	339	0.14	-0.31	-7.87e-02	-8.46e-02	0.22	2.64e-02	-0.32	-4.18e-02	-0.25	0.14
107	1	343	0.22	-0.52	-0.10	-0.19	-0.37	6.41e-04	-0.42	-7.42e-02	-0.35	-0.16
107	1	346	0.15	-1.40e-02	0.10	2.98e-02	7.17e-02	3.50e-02	-9.32e-02	-2.04e-02	-3.79e-02	6.35e-02
107	1	349	0.25	-0.49	3.25e-02	-0.27	-0.34	0.11	-0.41	-0.12	-0.18	-0.26
107	1	350	0.32	-0.37	5.27e-02	-0.11	-0.34	5.70e-02	-0.58	-0.14	-0.38	-0.30
107	1	351	0.40	-0.22	0.29	-0.12	-0.24	-1.03e-02	-0.51	-2.20e-02	-0.50	-7.56e-02
107	1	352	0.29	-0.45	-8.58e-02	-6.97e-02	-0.37	0.48	1.89e-03	2.30e-02	0.46	-9.87e-02
107	1	386	0.15	-0.30	-7.69e-02	-6.98e-02	0.22	0.14	-0.13	-9.05e-03	2.31e-02	0.13
107	1	391	0.15	-6.02e-02	9.99e-02	-8.09e-03	9.14e-02	9.88e-02	-7.97e-02	-2.07e-02	3.98e-02	8.40e-02
107	1	481	0.24	-0.19	0.13	-8.12e-02	0.19	3.11e-02	-0.24	-4.51e-02	-0.17	0.12
107	1	487	0.22	-8.40e-02	0.16	-2.61e-02	0.12	1.07e-03	-6.50e-02	-3.90e-02	-2.50e-02	3.23e-02
107	1	488	0.17	-0.15	8.66e-02	-6.47e-02	0.14	4.99e-02	-0.19	-6.54e-03	-0.13	0.10
107	1	492	0.20	-1.74e-02	0.16	1.93e-02	8.15e-02	4.18e-02	-8.80e-02	-4.64e-02	1.83e-04	6.06e-02
107	1	497	0.22	-1.07e-02	0.17	3.91e-02	9.49e-02	0.20	-5.09e-02	-5.04e-02	0.20	1.18e-02
107	1	515	0.17	-0.26	-1.26e-02	-8.04e-02	0.22	0.11	-0.26	-3.07e-02	-0.12	0.18
107	1	536	0.32	-5.21e-02	0.32	-5.12e-02	-1.79e-02	-1.11e-02	-0.36	-1.15e-02	-0.36	-1.19e-02
107	1	635	0.15	-0.29	-1.79e-02	-0.12	0.22	0.12	-0.26	-2.91e-02	-0.11	0.19
107	1	638	0.15	-0.20	7.88e-02	-0.13	0.14	9.47e-02	-0.12	5.43e-03	-3.52e-02	0.11
107	1	641	0.15	-5.82e-02	0.10	-5.46e-03	9.14e-02	7.88e-02	-0.10	-2.52e-02	2.34e-03	8.92e-02
107	1	661	0.15	-7.64e-03	0.10	3.83e-02	7.17e-02	9.08e-02	-7.06e-02	-1.20e-02	3.22e-02	7.76e-02
107	1	681	0.18	-0.20	0.15	-0.17	9.46e-02	5.33e-02	-0.20	-9.50e-02	-5.44e-02	0.13
107	1	696	0.23	-0.39	0.21	-0.37	-0.12	0.33	-3.22e-02	0.32	-2.74e-02	-4.13e-02
107	2	194	0.33	-0.62	0.23	-0.52	-0.29	6.02e-02	-0.14	3.65e-02	-0.12	6.49e-02
107	2	204	0.29	-0.21	0.23	-0.15	-0.16	0.41	0.15	0.37	0.19	-8.97e-02
107	2	206	0.19	-9.92e-02	0.16	-7.56e-02	7.89e-02	-1.71e-02	-0.37	-0.11	-0.28	0.16
107	2	256	0.21	-0.43	8.93e-02	-0.31	0.25	0.12	-0.24	-2.34e-02	-9.56e-02	0.18
107	2	261	0.18	-0.29	0.13	-0.24	0.15	3.48e-02	-9.75e-02	-2.66e-02	-3.60e-02	6.60e-02
107	2	336	0.17	-0.13	0.14	-0.11	8.98e-02	5.19e-02	-8.17e-02	-3.56e-02	5.85e-03	6.35e-02
107	2	337	0.16	-0.20	0.14	-0.18	8.67e-02	2.17e-02	-8.30e-02	-6.42e-02	2.94e-03	4.02e-02
107	2	338	0.27	-0.46	0.26	-0.46	-4.66e-02	0.23	-0.25	3.93e-02	-5.41e-02	-0.23
107	2	339	0.17	-0.41	-0.12	-0.11	0.29	-2.45e-03	-0.28	-6.14e-02	-0.22	0.11
107	2	343	0.25	-0.62	-0.14	-0.22	-0.43	-2.85e-02	-0.38	-9.38e-02	-0.32	-0.14
107	2	346	0.13	-6.09e-02	0.10	-2.89e-02	7.17e-02	2.48e-02	-0.11	-1.62e-02	-7.36e-02	6.35e-02
107	2	349	0.28	-0.62	1.96e-02	-0.35	-0.41	0.21	-0.54	-0.14	-0.19	-0.37
107	2	350	0.36	-0.49	4.07e-02	-0.18	-0.41	0.26	-0.59	-0.14	-0.18	-0.43
107	2	351	0.41	-0.32	0.27	-0.18	-0.29	9.21e-03	-0.72	-3.11e-02	-0.68	-0.17
107	2	352	0.29	-0.58	-0.14	-0.16	-0.43	1.14	7.55e-02	8.09e-02	1.14	-7.55e-02
107	2	386	0.15	-0.43	-0.13	-0.16	0.29	0.72	3.06e-02	4.88e-02	0.70	0.11
107	2	391	0.15	-0.12	9.59e-02	-6.79e-02	0.11	0.11	-0.11	-1.55e-02	1.78e-02	0.10
107	2	481	0.26	-0.30	0.11	-0.14	0.25	5.80e-02	-0.46	-5.42e-02	-0.35	0.21
...												
107	203	696	0.17	-0.45	0.15	-0.42	-0.13	0.28	-6.26e-02	0.27	-4.73e-02	-7.10e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-3.08	-0.57	-2.91	-1.02		-5.32	-0.60	-5.29	-2.29

			2.05		0.42	1.71	1.01	5.53		0.56	5.33	2.16

Macro	Tipo	Angolo 1-X (gradi)
117	**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
117	1	46	0.29	-0.11	0.18	-5.33e-03	-0.18	1.49	-0.90	6.41e-02	0.52	1.17
117	1	47	0.46	9.09e-02	0.22	0.33	-0.18	-1.88e-02	-7.15	-0.77	-6.41	2.19
117	1	49	0.11	-0.16	-0.11	6.22e-02	-0.11	0.31	-8.66e-02	0.27	-4.80e-02	-0.12
117	1	51	5.76e-02	-0.18	-0.11	-8.92e-03	-0.11	0.91	0.18	0.36	0.73	-0.32
117	1	53	2.78e-02	-0.14	-0.13	2.18e-02	-3.08e-02	0.28	-5.09e-03	0.27	6.76e-03	5.70e-02
117	1	54	-8.24e-02	-0.16	-0.15	-9.73e-02	-3.08e-02	0.27	-0.16	0.25	-0.14	9.38e-02
117	1	56	-7.35e-03	-0.15	-0.14	-1.28e-02	-2.70e-02	0.28	3.13e-02	0.28	3.13e-02	-2.09e-03
117	1	57	-8.69e-02	-0.16	-0.15	-9.83e-02	-2.70e-02	0.28	-8.50e-03	0.27	-8.18e-03	-9.56e-03
117	1	59	2.13e-02	-0.19	-0.15	-1.95e-02	-8.24e-02	0.32	6.94e-02	0.30	9.77e-02	8.00e-02
117	1	60	-8.91e-02	-0.25	-0.16	-0.18	-8.24e-02	0.45	0.20	0.32	0.32	0.13
117	1	62	3.90e-02	-0.20	-0.18	2.61e-02	-5.35e-02	0.35	-0.16	0.29	-0.11	-0.16
117	1	80	-0.20	-0.34	-0.23	-0.32	-5.35e-02	0.33	-0.60	0.25	-0.51	-0.27
117	1	91	0.37	-0.21	0.18	-1.59e-02	0.27	1.56	-1.01	6.11e-02	0.49	-1.26
117	1	96	0.49	-4.96e-02	0.21	0.23	0.27	7.28e-02	-7.36	-0.78	-6.51	-2.37
117	1	106	0.16	-0.25	-0.16	6.60e-02	0.18	0.42	-0.26	0.30	-0.14	0.26
117	1	111	-2.29e-02	-0.37	-0.19	-0.21	0.18	0.95	-0.14	0.37	0.44	0.54
117	1	116	0.19	-0.19	-2.23e-02	1.97e-02	-0.19	1.10	0.19	1.05	0.23	-0.20
117	1	191	0.30	-0.12	-2.96e-03	0.18	-0.19	0.67	-2.97	0.66	-2.97	-6.35e-02
117	1	192	7.14e-02	-6.98e-02	-5.35e-02	5.50e-02	-4.52e-02	0.65	9.40e-02	0.63	0.11	9.69e-02
117	1	193	-2.85e-02	-0.12	-6.95e-02	-7.82e-02	-4.52e-02	0.72	0.47	0.68	0.51	9.31e-02
117	1	196	1.55e-02	-7.24e-02	-6.69e-02	9.99e-03	-2.14e-02	0.70	5.09e-02	0.70	5.30e-02	3.69e-02
117	1	197	-6.06e-02	-0.10	-7.84e-02	-8.63e-02	-2.14e-02	0.69	-5.30e-02	0.69	-5.07e-02	4.09e-02
117	1	198	2.02e-03	-8.74e-02	-7.12e-02	-1.42e-02	-3.44e-02	0.70	0.13	0.69	0.13	1.83e-02
117	1	199	-5.68e-02	-0.13	-8.20e-02	-0.10	-3.44e-02	0.71	0.29	0.71	0.29	2.23e-02
117	1	200	0.12	-0.19	-8.36e-02	1.32e-02	-0.14	0.79	-6.58e-03	0.78	1.04e-02	0.12
117	1	201	-4.84e-02	-0.39	-0.12	-0.32	-0.14	0.73	-0.52	0.71	-0.51	0.13
117	1	202	7.10e-02	-8.98e-02	-7.92e-02	6.04e-02	3.99e-02	0.57	8.97e-02	0.56	1.00e-01	-6.98e-02
117	1	203	-9.02e-02	-0.20	-0.11	-0.18	3.99e-02	1.15	0.68	0.69	1.14	-6.60e-02
117	1	345	0.28	-0.35	-8.32e-02	1.56e-02	0.31	1.15	0.14	1.13	0.16	0.13
117	1	348	0.26	-0.37	-8.74e-02	-1.90e-02	0.31	0.68	-3.58	0.68	-3.58	-2.40e-02
117	2	46	0.41	-0.12	0.27	2.90e-02	-0.24	1.31	-1.34	-4.24e-02	1.04e-02	1.33
117	2	47	0.58	0.11	0.31	0.38	-0.24	-0.17	-7.95	-0.91	-7.21	2.28
117	2	49	0.19	-0.15	-7.11e-02	0.11	-0.14	0.27	-7.88e-02	0.22	-2.53e-02	-0.13
117	2	51	7.73e-02	-0.21	-8.94e-02	-4.61e-02	-0.14	0.91	0.16	0.31	0.76	-0.30
117	2	53	7.28e-02	-0.11	-0.10	6.28e-02	-4.18e-02	0.24	-7.07e-02	0.22	-5.18e-02	7.37e-02
117	2	54	-0.10	-0.19	-0.13	-0.16	-4.18e-02	0.22	-0.26	0.19	-0.24	0.11
117	2	56	3.20e-02	-0.12	-0.11	2.65e-02	-2.85e-02	0.23	6.61e-03	0.23	6.62e-03	-1.69e-03
117	2	57	-0.12	-0.18	-0.14	-0.16	-2.85e-02	0.23	-4.77e-02	0.23	-4.75e-02	-7.71e-03
117	2	59	5.72e-02	-0.16	-0.12	1.98e-02	-8.10e-02	0.28	4.24e-02	0.25	7.30e-02	7.96e-02
117	2	60	-0.10	-0.29	-0.15	-0.24	-8.10e-02	0.40	0.15	0.27	0.28	0.13
117	2	62	7.50e-02	-0.16	-0.15	6.71e-02	-4.26e-02	0.31	-0.23	0.24	-0.16	-0.18
117	2	80	-0.20	-0.39	-0.21	-0.38	-4.26e-02	0.28	-0.70	0.19	-0.60	-0.29
117	2	91	0.50	-0.21	0.27	1.84e-02	0.33	1.39	-1.46	-4.54e-02	-2.37e-02	-1.42
117	2	96	0.62	-4.05e-02	0.30	0.28	0.33	-8.57e-02	-8.15	-0.92	-7.32	-2.46
117	2	106	0.24	-0.25	-0.12	0.11	0.21	0.39	-0.26	0.25	-0.11	0.27
117	2	111	1.10e-02	-0.42	-0.16	-0.25	0.21	0.93	-0.14	0.32	0.47	0.53
117	2	116	0.26	-0.22	-6.41e-03	5.07e-02	-0.24	0.92	-9.32e-02	0.90	-6.98e-02	-0.15
117	2	191	0.35	-0.16	9.73e-03	0.19	-0.24	0.49	-3.48	0.49	-3.48	-2.02e-02
...												
117	203	348	0.27	-0.31	-3.61e-02	-4.08e-03	0.29	0.44	-2.92	0.44	-2.92	-7.59e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-5.36	-1.15	-5.35	-1.61		-10.91	-1.32	-10.70	-2.51
			4.94		1.35	4.91	1.73	3.93		1.16	3.34	2.37

Macro	Tipo	Angolo 1-X (gradi)
118	**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
118	1	204	0.16	-7.88e-02	0.15	-7.18e-02	-4.00e-02	1.43	0.30	1.43	0.30	-2.81e-03
118	1	205	0.21	0.13	0.18	0.16	-4.00e-02	0.90	-4.18	0.90	-4.18	-1.71e-02
118	1	206	0.23	-0.12	0.13	-1.26e-02	0.16	-5.50e-02	-0.36	-0.27	-0.14	-0.14
118	1	207	0.40	5.60e-02	0.16	0.30	0.16	2.24	1.30e-02	1.31e-02	2.24	-1.54e-02
118	1	225	0.17	-6.92e-02	0.12	-1.49e-02	0.10	7.01e-02	-0.53	-1.78e-02	-0.44	0.21
118	1	226	0.17	5.94e-02	0.16	6.97e-02	3.15e-02	6.55e-02	2.34e-02	6.48e-02	2.41e-02	-5.40e-03
118	1	236	0.17	6.31e-02	0.16	6.97e-02	2.55e-02	0.14	4.44e-03	7.87e-02	6.40e-02	6.65e-02
118	1	241	0.24	6.95e-02	0.17	0.14	8.32e-02	0.12	-0.55	3.51e-03	-0.44	-0.25
118	1	246	0.41	0.28	0.37	0.32	5.55e-02	2.03	-1.38	0.34	0.31	1.70
118	1	251	0.45	9.87e-02	0.33	0.22	-0.17	1.93	-1.89	0.25	-0.21	-1.90
118	1	341	1.49e-02	-0.43	-8.64e-02	-0.33	0.19	1.88	0.12	0.15	1.85	-0.24
118	1	342	0.17	-0.48	-8.46e-02	-0.22	-0.32	2.18	-8.44e-02	0.13	1.97	0.66
118	1	346	9.86e-02	1.12e-02	8.61e-02	2.37e-02	3.06e-02	0.11	-3.44e-02	8.14e-02	-6.36e-03	5.70e-02
118	1	347	0.11	4.87e-02	9.17e-02	7.04e-02	3.06e-02	5.32e-02	-0.31	4.62e-02	-0.30	4.97e-02
118	1	350	0.33	-0.36	4.99e-02	-8.07e-02	-0.34	-0.21	-0.49	-0.48	-0.22	-4.96e-02
118	1	351	0.36	-0.14	0.30	-7.91e-02	-0.17	1.03	-0.97	0.25	-0.20	-0.98
118	1	352	0.26	-0.38	-6.45e-02	-5.34e-02	-0.32	0.40	-0.29	-8.50e-02	0.20	0.32
118	1	370	0.38	-0.30	6.22e-02	2.17e-02	-0.34	3.01	-0.11	-9.50e-02	2.99	-0.24
118	1	386	0.13	-0.24	-5.35e-02	-5.30e-02	0.19	0.13	-0.20	-7.06e-02	2.54e-03	-0.16
118	1	391	8.79e-02	-1.03e-02	8.30e-02	-5.48e-03	2.13e-02	6.97e-02	-1.39e-02	3.26e-02	2.32e-02	4.15e-02

118	1	481	0.16	-0.11	0.11	-6.08e-02	0.10	0.10	-0.15	2.68e-02	-7.11e-02	0.11
118	1	482	0.10	4.86e-02	9.08e-02	5.93e-02	2.13e-02	0.13	1.68e-02	4.20e-02	0.10	4.61e-02
118	1	487	0.15	-2.32e-02	0.15	-1.73e-02	3.15e-02	6.19e-02	-2.05e-03	6.17e-02	-1.84e-03	3.59e-03
118	1	488	8.53e-02	-6.59e-02	6.89e-02	-4.95e-02	4.70e-02	5.31e-02	-6.80e-02	4.12e-02	-5.61e-02	3.60e-02
118	1	492	0.16	1.38e-02	0.16	1.84e-02	2.55e-02	9.26e-02	-8.89e-03	7.24e-02	1.13e-02	4.05e-02
118	1	493	0.11	1.56e-02	8.08e-02	4.95e-02	4.70e-02	2.27e-02	-0.29	1.46e-02	-0.28	4.92e-02
118	1	497	0.20	-9.39e-03	0.15	3.29e-02	8.32e-02	0.17	-4.13e-04	6.88e-02	0.10	-8.47e-02
118	1	515	0.17	-0.21	1.01e-02	-5.94e-02	0.19	8.54e-02	-0.32	-0.16	-7.38e-02	0.20
118	1	536	0.34	-3.72e-02	0.33	-2.89e-02	5.55e-02	0.98	-0.83	0.29	-0.13	0.88
118	1	541	0.11	-0.31	-6.50e-03	-0.20	0.19	0.72	-0.15	-7.19e-02	0.64	0.25
118	2	204	0.15	-0.13	0.13	-0.12	-6.18e-02	1.41	0.24	1.41	0.24	-2.71e-02
118	2	205	0.25	0.12	0.17	0.19	-6.18e-02	0.87	-4.28	0.87	-4.28	-4.15e-02
118	2	206	0.20	-0.15	0.11	-5.98e-02	0.16	-5.70e-02	-0.38	-0.29	-0.15	-0.15
118	2	207	0.43	7.16e-02	0.16	0.34	0.16	2.23	2.20e-04	5.83e-04	2.23	-2.84e-02
118	2	225	0.20	-9.41e-02	0.10	2.39e-03	0.14	4.51e-02	-0.70	-5.14e-02	-0.60	0.25
118	2	226	0.18	8.61e-02	0.14	0.12	4.34e-02	4.53e-02	-2.14e-02	4.53e-02	-2.14e-02	1.26e-03
118	2	236	0.17	0.10	0.15	0.12	2.70e-02	0.12	-3.32e-02	6.30e-02	1.96e-02	7.13e-02
118	2	241	0.26	9.15e-02	0.16	0.19	8.17e-02	0.10	-0.60	-1.22e-02	-0.48	-0.26
118	2	246	0.41	0.32	0.36	0.36	4.36e-02	1.99	-1.41	0.32	0.26	1.70
118	2	251	0.48	6.82e-02	0.32	0.23	-0.20	1.88	-2.04	0.21	-0.37	-1.94
118	2	341	2.35e-02	-0.53	-0.13	-0.38	0.25	2.50	0.19	0.22	2.47	-0.25
118	2	342	0.19	-0.58	-0.12	-0.27	-0.38	2.76	2.05e-02	0.19	2.59	0.66
118	2	346	8.35e-02	-3.14e-02	7.46e-02	-2.26e-02	3.06e-02	9.62e-02	-5.13e-02	6.92e-02	-2.43e-02	5.70e-02
118	2	347	0.14	7.13e-02	9.15e-02	0.12	3.06e-02	3.99e-02	-0.33	3.31e-02	-0.32	4.97e-02
118	2	350	0.35	-0.45	3.20e-02	-0.14	-0.39	-9.76e-02	-0.51	-0.48	-0.13	-0.12
118	2	351	0.36	-0.21	0.27	-0.13	-0.20	1.02	-1.08	0.23	-0.28	-1.02
118	2	352	0.26	-0.49	-0.11	-0.12	-0.38	0.65	-0.21	-5.84e-02	0.51	0.33
118	2	370	0.42	-0.37	4.88e-02	3.80e-03	-0.39	3.20	-0.11	-7.88e-02	3.17	-0.30
...												
118	203	541	0.11	-0.30	-1.66e-02	-0.17	0.19	0.37	-0.27	-0.17	0.27	0.23
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.09	-0.45	-1.01	-0.52		-4.39	-0.69	-4.28	-2.08
			1.61		0.45	1.48	0.50	6.98		1.43	6.98	1.79

Macro	Tipo	Angolo 1-X (gradi)
127	**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
127	1	726	1.79	1.07	1.78	1.08	4.40e-02	-0.19	-4.12	-1.19	-3.12	1.71
127	1	728	1.77	1.08	1.77	1.08	-4.66e-02	-0.20	-4.11	-1.19	-3.12	-1.70
127	1	740	1.03	0.31	0.59	0.75	-0.35	0.82	-0.39	-6.32e-03	0.44	-0.56
127	1	741	0.89	0.46	0.59	0.77	-0.20	8.39e-02	-9.98e-02	-2.98e-02	1.39e-02	8.92e-02
127	1	742	0.80	0.60	0.61	0.78	-5.92e-02	7.92e-03	-3.45e-02	-2.88e-02	2.28e-03	-1.44e-02
127	1	743	0.80	0.60	0.62	0.78	5.40e-02	7.16e-03	-3.24e-02	-2.88e-02	3.50e-03	1.15e-02
127	1	744	0.90	0.47	0.60	0.78	0.19	8.64e-02	-9.99e-02	-2.97e-02	1.62e-02	-9.03e-02
127	1	745	1.04	0.32	0.60	0.76	0.35	0.82	-0.40	-7.87e-03	0.43	0.57
127	1	761	1.16	0.56	0.82	0.90	0.30	0.60	-1.88	-0.27	-1.02	1.18
127	1	762	2.17	0.89	0.96	2.10	0.30	0.72	-0.89	-0.15	-2.17e-02	0.80
127	1	763	1.88	0.62	0.72	1.77	0.35	2.16	3.29e-02	0.18	2.01	0.54
127	1	764	2.33	1.93	1.93	2.32	4.40e-02	-0.56	-3.05	-1.12	-2.49	1.04
127	1	774	2.33	1.91	1.92	2.32	-4.66e-02	-0.56	-3.02	-1.11	-2.47	-1.03
127	1	779	1.87	0.61	0.72	1.77	-0.35	2.14	3.38e-02	0.18	1.99	-0.54
127	1	784	1.31	0.59	0.65	1.25	-0.20	-1.35e-03	-0.31	-6.16e-02	-0.25	0.12
127	1	789	1.10	0.64	0.65	1.09	-5.92e-02	6.65e-02	-3.03e-02	-2.21e-02	5.83e-02	-2.70e-02
127	1	794	1.10	0.65	0.66	1.09	5.40e-02	6.45e-02	-2.86e-02	-2.22e-02	5.81e-02	2.36e-02
127	1	799	1.31	0.60	0.65	1.25	0.19	-1.30e-03	-0.32	-6.23e-02	-0.26	-0.12
127	1	809	1.16	0.56	0.81	0.90	-0.30	0.58	-1.87	-0.26	-1.03	-1.17
127	1	812	0.88	0.26	0.44	0.70	-0.28	1.77e-02	-0.14	-9.35e-02	-2.55e-02	6.93e-02
127	1	815	0.81	0.46	0.50	0.77	-0.12	-4.49e-03	-4.30e-02	-2.55e-02	-2.19e-02	-1.91e-02
127	1	818	0.76	0.51	0.51	0.76	-3.08e-03	-4.79e-03	-4.88e-02	-4.88e-02	-4.81e-03	1.08e-03
127	1	821	0.82	0.47	0.51	0.78	0.12	-5.34e-03	-4.68e-02	-2.69e-02	-2.53e-02	2.07e-02
127	1	824	0.89	0.27	0.45	0.71	0.28	1.52e-02	-0.14	-9.58e-02	-2.85e-02	-6.96e-02
127	1	826	2.17	0.88	0.95	2.09	-0.30	0.71	-0.88	-0.14	-2.75e-02	-0.79
127	1	828	1.52	0.45	0.53	1.44	-0.28	0.81	-2.99e-03	5.55e-03	0.80	8.28e-02
127	1	830	1.15	0.52	0.55	1.13	-0.12	-4.52e-02	-0.21	-4.73e-02	-0.20	-1.80e-02
127	1	832	1.06	0.55	0.55	1.06	-3.08e-03	4.20e-02	-4.32e-02	-4.32e-02	4.20e-02	1.03e-03
127	1	834	1.15	0.53	0.55	1.13	0.12	-4.57e-02	-0.21	-4.82e-02	-0.20	1.95e-02
127	1	836	1.52	0.46	0.54	1.44	0.28	0.82	-3.98e-03	4.65e-03	0.81	-8.37e-02
127	2	726	2.33	1.59	2.33	1.60	-5.65e-02	-0.28	-5.90	-1.65	-4.53	2.42
127	2	728	2.32	1.60	2.31	1.60	5.39e-02	-0.28	-5.90	-1.65	-4.54	-2.41
127	2	740	1.28	0.54	0.90	0.93	-0.37	1.13	-0.47	2.04e-02	0.63	-0.74
127	2	741	1.13	0.71	0.89	0.95	-0.21	0.12	-9.52e-02	-4.70e-03	2.55e-02	0.10
127	2	742	1.01	0.88	0.92	0.97	-6.03e-02	2.29e-02	-1.81e-02	-4.19e-03	9.01e-03	-1.94e-02
127	2	743	1.01	0.89	0.93	0.98	5.50e-02	2.10e-02	-1.49e-02	-4.14e-03	1.02e-02	1.64e-02
127	2	744	1.14	0.73	0.90	0.97	0.20	0.12	-9.52e-02	-4.60e-03	2.78e-02	-0.11
127	2	745	1.29	0.55	0.90	0.93	0.37	1.14	-0.48	1.88e-02	0.63	0.75
127	2	761	1.47	0.88	1.11	1.25	0.29	0.63	-2.56	-0.44	-1.49	1.50
127	2	762	2.21	1.13	1.21	2.12	0.29	1.00	-1.02	-0.24	0.22	0.98
127	2	763	2.01	0.88	1.02	1.87	0.37	2.75	6.45e-02	0.25	2.57	0.68
127	2	764	2.44	2.28	2.41	2.30	-5.65e-02	-0.33	-3.71	-1.42	-2.62	1.58
127	2	774	2.42	2.27	2.40	2.30	5.39e-02	-0.32	-3.69	-1.41	-2.60	-1.57
127	2	779	2.01	0.87	1.01	1.87	-0.37	2.73	6.54e-02	0.25	2.55	-0.68
127	2	784	1.40	0.84	0.93	1.31	-0.21	1.33e-02	-0.38	-4.64e-02	-0.32	0.14
127	2	789	1.15	0.92	0.94	1.13	-6.03e-02	8.38e-02	-1.13e-02	3.06e-03	6.94e-02	-3.40e-02
127	2	794	1.15	0.93	0.94	1.13	5.50e-02	8.12e-02	-9.06e-03	2.93e-03	6.92e-02	3.06e-02
127	2	799	1.39	0.85	0.94	1.30	0.20	1.34e-02	-0.39	-4.70e-02	-0.33	-0.14
...												
127	203	836	0.53	0.19	0.51	0.21	7.79e-02	0.70	-4.65e-02	-3.65e-02	0.69	-8.58e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-14.95	-3.70	-14.13	-4.18		-18.53	-4.37	-18.34	-7.79
			14.85		7.52	14.63	4.17	20.71		0.96	19.06	7.80

Macro	Tipo	Angolo 1-X (gradi)
128	**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
128	1	731	0.93	0.38	0.83	0.48	-0.21	0.31	-0.58	5.11e-02	-0.31	-0.41
128	1	752	0.92	0.39	0.82	0.49	0.21	0.31	-0.57	4.87e-02	-0.31	0.40
128	1	753	0.90	0.46	0.84	0.52	0.15	6.10e-02	-1.32e-02	4.09e-02	6.82e-03	-3.29e-02
128	1	754	0.86	0.53	0.85	0.54	5.45e-02	5.91e-02	4.65e-03	4.11e-02	2.27e-02	2.56e-02
128	1	755	0.86	0.53	0.85	0.54	-4.85e-02	4.64e-02	1.43e-02	4.12e-02	1.95e-02	-1.19e-02
128	1	756	0.90	0.46	0.85	0.51	-0.14	6.67e-02	-2.78e-02	4.15e-02	-2.56e-03	4.18e-02
128	1	757	1.28	0.55	0.93	0.91	0.36	3.11	-5.81e-02	0.73	2.32	1.37
128	1	760	1.29	0.55	0.94	0.90	-0.37	3.11	-6.14e-02	0.73	2.32	-1.37
128	1	766	0.81	0.37	0.51	0.66	-0.21	1.28	5.40e-02	0.49	0.85	-0.58
128	1	767	0.54	-7.01e-03	0.44	8.79e-02	-0.21	0.45	-0.80	0.31	-0.65	-0.40
128	1	768	0.87	0.17	0.80	0.24	-0.21	7.11e-02	-1.08	-2.89e-02	-0.98	-0.32
128	1	769	0.99	-7.78e-02	0.84	6.83e-02	-0.37	1.24	-1.59	0.37	-0.72	-1.30
128	1	773	0.98	-7.88e-02	0.83	6.77e-02	0.36	1.23	-1.59	0.37	-0.72	1.30
128	1	778	0.86	0.17	0.79	0.24	0.21	7.25e-02	-1.05	-2.82e-02	-0.95	0.32
128	1	783	0.86	0.28	0.82	0.32	0.15	0.22	4.74e-02	6.50e-02	0.21	-5.30e-02
128	1	788	0.84	0.37	0.83	0.38	5.45e-02	5.55e-02	-2.61e-02	3.74e-02	-8.03e-03	3.39e-02
128	1	793	0.84	0.37	0.83	0.38	-4.85e-02	4.42e-02	-1.77e-02	3.75e-02	-1.10e-02	-1.92e-02
128	1	798	0.86	0.28	0.83	0.32	-0.14	0.22	3.89e-02	6.47e-02	0.19	6.26e-02
128	1	810	0.81	0.37	0.51	0.67	0.21	1.28	6.16e-02	0.48	0.86	0.58
128	1	813	0.79	0.35	0.68	0.46	0.19	0.23	3.67e-02	0.22	4.65e-02	-4.26e-02
128	1	816	0.74	0.47	0.70	0.52	0.10	0.18	2.30e-02	0.18	2.65e-02	2.32e-02
128	1	819	0.70	0.52	0.70	0.52	2.81e-03	0.19	1.26e-02	0.19	1.29e-02	8.11e-03
128	1	822	0.74	0.47	0.70	0.51	-9.81e-02	0.18	2.55e-02	0.18	2.59e-02	-7.58e-03
128	1	825	0.79	0.35	0.68	0.45	-0.18	0.24	3.11e-02	0.23	4.51e-02	5.21e-02
128	1	838	0.73	0.19	0.66	0.27	-0.18	0.16	-0.54	0.16	-0.53	7.53e-02
128	1	840	0.71	0.31	0.68	0.34	-9.81e-02	0.19	0.12	0.19	0.12	-6.10e-03
128	1	842	0.68	0.37	0.68	0.37	2.81e-03	0.19	-5.52e-02	0.19	-5.49e-02	8.36e-03
128	1	844	0.71	0.31	0.68	0.34	0.10	0.20	0.12	0.19	0.12	2.24e-02
128	1	846	0.73	0.19	0.65	0.27	0.19	0.16	-0.52	0.15	-0.52	-6.54e-02
128	1	848	0.53	-8.63e-03	0.44	8.78e-02	0.21	0.45	-0.78	0.30	-0.64	0.40
128	2	731	1.17	0.57	1.09	0.65	-0.21	0.41	-0.89	2.79e-02	-0.51	-0.59
128	2	752	1.17	0.58	1.08	0.66	0.21	0.40	-0.89	2.55e-02	-0.51	0.59
128	2	753	1.15	0.64	1.11	0.68	0.15	4.68e-02	-4.30e-02	1.71e-02	-1.33e-02	-4.22e-02
128	2	754	1.13	0.70	1.12	0.71	5.49e-02	4.80e-02	-1.68e-02	1.75e-02	1.38e-02	3.23e-02
128	2	755	1.13	0.70	1.12	0.71	-4.89e-02	3.30e-02	-4.83e-03	1.76e-02	1.06e-02	-1.86e-02
128	2	756	1.16	0.63	1.11	0.67	-0.14	5.25e-02	-5.75e-02	1.77e-02	-2.27e-02	5.11e-02
128	2	757	1.80	0.90	1.30	1.40	0.45	4.76	-1.79e-03	1.07	3.69	1.99
128	2	760	1.80	0.90	1.31	1.39	-0.45	4.76	-4.80e-03	1.07	3.68	-1.99
128	2	766	1.12	0.59	0.72	0.99	-0.22	1.90	5.86e-02	0.67	1.29	-0.87
128	2	767	0.70	3.12e-02	0.61	0.12	-0.22	0.65	-1.09	0.41	-0.85	-0.60
128	2	768	1.10	0.27	1.05	0.32	-0.21	5.12e-02	-1.64	-9.04e-02	-1.50	-0.47
128	2	769	1.31	-0.10	1.15	6.07e-02	-0.45	1.95	-1.97	0.56	-0.58	-1.87
128	2	773	1.30	-0.10	1.14	6.00e-02	0.45	1.94	-1.97	0.56	-0.59	1.87
128	2	778	1.10	0.27	1.04	0.32	0.21	5.26e-02	-1.61	-8.96e-02	-1.47	0.47
128	2	783	1.10	0.34	1.07	0.37	0.15	0.28	3.11e-02	5.04e-02	0.26	-6.71e-02
128	2	788	1.09	0.42	1.09	0.42	5.49e-02	3.85e-02	-5.67e-02	1.22e-02	-3.04e-02	4.26e-02
128	2	793	1.09	0.42	1.09	0.42	-4.89e-02	2.55e-02	-4.65e-02	1.23e-02	-3.33e-02	-2.79e-02
128	2	798	1.11	0.34	1.08	0.37	-0.14	0.27	2.38e-02	5.02e-02	0.25	7.68e-02
...												
128	203	848	0.49	2.15e-02	0.48	2.53e-02	4.23e-02	0.49	-0.80	0.31	-0.61	0.45
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-14.44	-5.90	-13.71	-3.89		-17.68	-2.12	-17.36	-4.51
			14.36		7.33	13.24	3.90	17.26		3.26	17.15	4.48

Macro	Tipo	Angolo 1-X (gradi)
138	**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
138	1	725	2.24	0.33	2.21	0.37	-0.25	-0.96	-8.22	-2.08	-7.10	2.62
138	1	727	2.27	0.33	2.23	0.37	0.26	-0.97	-8.24	-2.10	-7.11	-2.63
138	1	734	1.00	0.94	1.00	0.94	5.98e-04	1.08	0.22	0.22	1.08	3.18e-03
138	1	735	1.06	0.99	1.01	1.05	-2.81e-02	6.68e-02	-0.18	6.40e-02	-0.18	2.62e-02
138	1	736	1.05	1.01	1.03	1.03	-1.86e-02	9.01e-02	5.53e-02	8.69e-02	5.85e-02	-1.01e-02
138	1	737	1.05	1.01	1.04	1.02	1.46e-02	9.00e-02	5.53e-02	8.70e-02	5.83e-02	9.79e-03
138	1	738	1.06	1.00	1.02	1.04	2.58e-02	6.69e-02	-0.18	6.41e-02	-0.18	-2.66e-02
138	1	739	1.01	0.93	1.01	0.93	-6.14e-04	1.08	0.22	0.22	1.08	-8.50e-03
138	1	762	1.62	0.78	0.78	1.62	3.51e-02	0.50	-2.58e-03	0.45	5.21e-02	0.16
138	1	763	1.42	1.07	1.07	1.42	-6.14e-04	0.98	0.16	0.21	0.93	0.19
138	1	764	2.52	1.79	2.41	1.90	0.26	-0.36	-2.27	-1.40	-1.24	-0.95
138	1	765	0.66	0.51	0.65	0.52	3.51e-02	0.17	-3.04	8.88e-02	-2.96	-0.51
138	1	774	2.50	1.79	2.39	1.90	-0.25	-0.35	-2.26	-1.38	-1.23	0.95
138	1	779	1.42	1.05	1.05	1.42	5.98e-04	0.97	0.16	0.20	0.92	-0.19
138	1	784	1.05	0.98	1.00	1.03	-2.81e-02	8.69e-02	-0.12	7.33e-02	-0.10	5.09e-02
138	1	789	1.02	0.90	1.02	0.90	-1.86e-02	8.85e-02	3.38e-02	8.45e-02	3.79e-02	-1.43e-02
138	1	794	1.03	0.90	1.02	0.90	1.46e-02	8.81e-02	3.43e-02	8.46e-02	3.78e-02	1.33e-02
138	1	799	1.05	1.00	1.02	1.03	2.58e-02	8.73e-02	-0.12	7.33e-02	-0.10	-5.17e-02
138	1	826	1.62	0.77	0.77	1.62	-3.32e-02	0.51	-4.02e-03	0.46	5.04e-02	-0.16
138	1	827	0.65	0.51	0.64	0.52	-3.32e-02	0.18	-3.04	9.80e-02	-2.96	0.50
138	1	828	1.11	0.42	0.42	1.11	-1.05e-02	0.90	0.47	0.90	0.47	2.22e-02
138	1	829	0.94	0.40	0.40	0.94	-1.05e-02	0.93	0.70	0.93	0.70	1.85e-02
138	1	830	0.87	0.43	0.43	0.87	-3.10e-02	0.79	5.44e-03	0.79	5.49e-03	-6.39e-03
138	1	831	0.98	0.45	0.45	0.97	-3.10e-02	0.79	-6.95e-02	0.79	-6.94e-02	-9.19e-03

138	1	832	0.82	0.44	0.44	0.82	-1.71e-03	0.82	0.12	0.82	0.12	3.00e-04
138	1	833	0.95	0.46	0.46	0.95	-1.71e-03	0.82	0.15	0.82	0.15	3.53e-04
138	1	834	0.87	0.44	0.44	0.87	2.81e-02	0.80	5.87e-03	0.80	5.93e-03	6.99e-03
138	1	835	0.97	0.45	0.45	0.97	2.81e-02	0.79	-6.90e-02	0.79	-6.89e-02	9.84e-03
138	1	836	1.11	0.43	0.43	1.11	9.68e-03	0.90	0.47	0.90	0.48	-2.15e-02
138	1	837	0.93	0.40	0.40	0.93	9.68e-03	0.93	0.70	0.93	0.70	-1.77e-02
138	2	725	2.88	0.29	2.82	0.35	-0.40	-1.03	-8.51	-2.48	-7.07	2.95
138	2	727	2.91	0.29	2.85	0.35	0.40	-1.04	-8.53	-2.50	-7.07	-2.96
138	2	734	1.36	0.80	1.36	0.80	9.02e-03	1.10	0.21	0.23	1.07	0.14
138	2	735	1.38	0.96	1.38	0.96	-2.35e-02	7.19e-02	-0.18	7.13e-02	-0.18	1.26e-02
138	2	736	1.42	0.95	1.42	0.95	-1.80e-02	9.54e-02	5.86e-02	9.32e-02	6.07e-02	-8.68e-03
138	2	737	1.42	0.95	1.42	0.95	1.39e-02	9.54e-02	5.85e-02	9.33e-02	6.06e-02	8.42e-03
138	2	738	1.40	0.96	1.39	0.96	2.12e-02	7.20e-02	-0.19	7.13e-02	-0.18	-1.30e-02
138	2	739	1.38	0.80	1.38	0.80	-9.03e-03	1.10	0.21	0.23	1.07	-0.14
138	2	762	1.65	1.03	1.04	1.65	6.65e-02	0.44	0.13	0.40	0.16	9.68e-02
138	2	763	1.52	1.46	1.46	1.52	-9.03e-03	1.22	0.21	0.25	1.18	0.19
138	2	764	3.16	1.78	3.03	1.91	0.40	-0.60	-2.54	-1.81	-1.33	-0.94
138	2	765	0.90	0.39	0.89	0.40	6.65e-02	0.22	-3.14	3.19e-02	-2.95	-0.78
138	2	774	3.14	1.78	3.01	1.91	-0.40	-0.59	-2.52	-1.79	-1.32	0.94
138	2	779	1.52	1.45	1.45	1.52	9.02e-03	1.21	0.21	0.24	1.18	-0.19
138	2	784	1.40	1.08	1.40	1.09	-2.35e-02	9.00e-02	-0.15	7.71e-02	-0.13	5.40e-02
138	2	789	1.42	0.95	1.42	0.95	-1.80e-02	9.60e-02	3.74e-02	9.10e-02	4.24e-02	-1.63e-02
138	2	794	1.42	0.95	1.42	0.95	1.39e-02	9.55e-02	3.79e-02	9.11e-02	4.23e-02	1.52e-02
138	2	799	1.41	1.08	1.41	1.09	2.12e-02	9.04e-02	-0.15	7.71e-02	-0.14	-5.49e-02
...												
138	203	837	0.41	-0.26	0.41	-0.26	-1.68e-02	0.84	0.57	0.84	0.57	-9.96e-03
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-11.29	-3.33	-11.03	-1.84		-10.66	-5.10	-10.43	-4.50
			11.78		9.57	11.66	1.84	9.03		2.46	8.74	4.49

Macro	Tipo	Angolo 1-X (gradi)
139	**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
139	1	746	1.19	-0.15	1.17	-0.13	0.15	0.14	-0.31	0.13	-0.30	-6.67e-02
139	1	747	1.23	0.20	1.22	0.20	7.43e-02	0.19	0.14	0.19	0.14	1.87e-03
139	1	748	1.24	0.32	1.24	0.32	2.47e-02	0.18	3.30e-03	0.18	4.21e-03	1.27e-02
139	1	749	1.25	0.32	1.25	0.32	-2.14e-02	0.18	1.61e-03	0.18	1.94e-03	-7.63e-03
139	1	750	1.24	0.21	1.23	0.21	-7.26e-02	0.19	0.12	0.19	0.12	2.15e-03
139	1	751	1.21	-0.14	1.19	-0.13	-0.16	0.14	-0.32	0.13	-0.31	7.25e-02
139	1	758	1.18	-0.33	1.17	-0.32	-0.14	1.98	0.15	1.04	1.09	-0.91
139	1	759	1.20	-0.33	1.19	-0.31	0.15	2.00	0.15	1.06	1.09	0.92
139	1	767	0.70	6.85e-02	0.67	0.11	-0.15	5.24e-02	-0.31	4.79e-02	-0.31	-4.02e-02
139	1	768	1.26	0.23	1.24	0.26	-0.16	0.12	-0.44	0.11	-0.43	-6.78e-02
139	1	769	1.26	0.11	1.24	0.12	0.15	0.90	-0.25	0.90	-0.24	8.47e-02
139	1	770	0.63	-0.39	0.61	-0.37	-0.15	0.73	-5.09e-02	0.15	0.53	0.34
139	1	773	1.24	0.10	1.22	0.12	-0.14	0.89	-0.25	0.88	-0.24	-8.53e-02
139	1	778	1.25	0.23	1.22	0.26	0.15	0.12	-0.43	0.11	-0.42	6.88e-02
139	1	783	1.24	0.31	1.23	0.32	7.43e-02	0.19	0.11	0.19	0.11	-2.15e-02
139	1	788	1.25	0.36	1.25	0.36	2.47e-02	0.18	1.46e-02	0.18	1.61e-02	1.58e-02
139	1	793	1.25	0.36	1.25	0.36	-2.14e-02	0.18	1.42e-02	0.18	1.47e-02	-9.69e-03
139	1	798	1.25	0.31	1.25	0.32	-7.26e-02	0.19	9.81e-02	0.19	0.11	2.61e-02
139	1	838	0.60	0.18	0.57	0.21	-0.11	-0.23	-0.28	-0.23	-0.28	7.84e-03
139	1	839	0.57	-3.39e-03	0.55	1.72e-02	-0.11	-0.24	-0.34	-0.24	-0.34	2.14e-03
139	1	840	0.58	0.26	0.58	0.27	-4.55e-02	2.49e-02	-0.15	-0.15	2.49e-02	-1.97e-03
139	1	841	0.58	0.20	0.57	0.20	-4.55e-02	6.24e-02	-0.14	-0.14	6.22e-02	-4.72e-03
139	1	842	0.58	0.29	0.58	0.29	2.24e-03	-5.42e-02	-0.16	-0.16	-5.44e-02	4.17e-03
139	1	843	0.57	0.26	0.57	0.26	2.24e-03	-8.84e-02	-0.16	-0.16	-8.86e-02	4.01e-03
139	1	844	0.58	0.26	0.57	0.27	4.94e-02	2.90e-02	-0.14	-0.14	2.85e-02	9.73e-03
139	1	845	0.57	0.19	0.57	0.20	4.94e-02	6.77e-02	-0.14	-0.14	6.70e-02	1.21e-02
139	1	846	0.59	0.18	0.56	0.21	0.11	-0.23	-0.27	-0.23	-0.27	-4.03e-03
139	1	847	0.56	-1.02e-02	0.54	1.06e-02	0.11	-0.23	-0.33	-0.23	-0.33	1.76e-03
139	1	848	0.70	6.83e-02	0.66	0.11	0.15	4.69e-02	-0.31	4.19e-02	-0.30	4.19e-02
139	1	849	0.62	-0.39	0.60	-0.37	0.15	0.72	-4.63e-02	0.14	0.53	-0.33
139	2	746	1.52	-0.23	1.50	-0.22	0.17	0.12	-0.42	6.43e-02	-0.36	-0.17
139	2	747	1.57	0.15	1.56	0.16	7.81e-02	0.15	0.12	0.14	0.13	1.56e-02
139	2	748	1.59	0.28	1.59	0.28	2.50e-02	0.13	-1.52e-02	0.13	-1.41e-02	1.26e-02
139	2	749	1.59	0.28	1.59	0.28	-2.17e-02	0.13	-1.67e-02	0.13	-1.63e-02	-7.58e-03
139	2	750	1.58	0.16	1.58	0.16	-7.64e-02	0.14	0.11	0.14	0.12	-1.16e-02
139	2	751	1.54	-0.23	1.52	-0.21	-0.17	0.12	-0.43	6.21e-02	-0.37	0.17
139	2	758	1.61	-0.37	1.58	-0.34	-0.23	2.47	6.06e-02	1.36	1.17	-1.20
139	2	759	1.63	-0.37	1.60	-0.34	0.23	2.48	5.65e-02	1.37	1.17	1.21
139	2	767	0.90	0.11	0.87	0.14	-0.15	3.89e-03	-0.41	2.17e-03	-0.41	-2.67e-02
139	2	768	1.61	0.32	1.59	0.34	-0.17	3.36e-02	-0.68	2.63e-02	-0.67	-7.20e-02
139	2	769	1.69	0.11	1.66	0.14	0.23	1.21	-0.15	1.21	-0.15	3.44e-02
139	2	770	0.82	-0.47	0.80	-0.45	-0.15	0.87	-0.26	0.11	0.50	0.53
139	2	773	1.67	0.10	1.64	0.14	-0.23	1.20	-0.15	1.20	-0.15	-3.50e-02
139	2	778	1.59	0.32	1.57	0.34	0.17	3.65e-02	-0.67	2.88e-02	-0.66	7.30e-02
139	2	783	1.59	0.37	1.59	0.37	7.81e-02	0.16	0.11	0.14	0.13	-2.37e-02
139	2	788	1.60	0.42	1.60	0.42	2.50e-02	0.14	-1.08e-03	0.13	1.51e-03	1.87e-02
139	2	793	1.61	0.42	1.61	0.42	-2.17e-02	0.13	-1.06e-03	0.13	1.01e-04	-1.25e-02
139	2	798	1.61	0.37	1.60	0.37	-7.64e-02	0.16	0.10	0.14	0.13	2.82e-02
...												
139	203	849	0.55	-0.41	0.55	-0.41	5.53e-02	0.66	-0.15	8.32e-02	0.42	-0.37
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-11.14	-2.59	-10.88	-1.61		-7.99	-1.38	-7.81	-2.38
			10.40		5.16	10.33	1.61	8.13		2.18	7.89	2.39

Macro	Tipo	Angolo 1-X (gradi)
148	**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
148	1	2	0.32	3.56e-02	0.32	4.42e-02	-4.89e-02	-3.45e-02	-0.13	-3.57e-02	-0.12	1.03e-02
148	1	4	0.32	2.13e-02	0.32	2.16e-02	-9.04e-03	4.54e-02	-3.57e-02	-3.43e-02	4.41e-02	1.04e-02
148	1	6	0.32	4.10e-02	0.32	4.47e-02	3.21e-02	-3.55e-02	-0.13	-3.64e-02	-0.13	8.96e-03
148	1	8	0.37	0.10	0.32	0.15	0.10	0.57	-6.01e-03	3.33e-03	0.56	-7.29e-02
148	1	850	1.21	0.91	1.12	1.00	0.14	6.94e-02	-3.68	-0.80	-2.82	-1.58
148	1	851	1.01	-6.19e-02	0.99	-4.40e-02	0.14	1.25	-1.34	-0.42	0.33	-1.24
148	1	856	0.52	0.19	0.40	0.31	-0.16	0.65	-0.21	1.18e-02	0.42	-0.38
148	1	857	0.49	0.14	0.39	0.24	-0.16	1.24	-1.30e-02	9.71e-02	1.13	-0.36
148	1	862	0.42	0.24	0.38	0.28	-7.80e-02	7.41e-02	-7.68e-02	-3.11e-02	2.84e-02	6.94e-02
148	1	863	0.38	6.59e-02	0.36	8.67e-02	-7.80e-02	-3.14e-03	-0.22	-5.43e-02	-0.16	9.09e-02
148	1	868	0.40	0.27	0.39	0.28	-2.75e-02	6.32e-03	-3.29e-02	-3.27e-02	6.11e-03	-2.88e-03
148	1	869	0.36	2.95e-02	0.36	3.18e-02	-2.75e-02	2.51e-02	-3.34e-02	-3.07e-02	2.24e-02	-1.22e-02
148	1	874	0.40	0.29	0.39	0.29	1.07e-02	8.25e-03	-3.53e-02	-3.26e-02	5.45e-03	1.07e-02
148	1	875	0.36	3.20e-02	0.36	3.23e-02	1.07e-02	2.59e-02	-3.80e-02	-3.09e-02	1.88e-02	2.00e-02
148	1	880	0.43	0.28	0.39	0.32	6.63e-02	6.51e-02	-7.12e-02	-3.02e-02	2.42e-02	-6.25e-02
148	1	881	0.38	7.17e-02	0.36	8.67e-02	6.63e-02	-1.47e-02	-0.23	-5.57e-02	-0.19	-8.41e-02
148	1	883	1.22	0.91	1.13	1.00	-0.14	7.56e-02	-3.68	-0.80	-2.81	1.58
148	1	884	1.02	-5.68e-02	1.00	-3.89e-02	-0.14	1.24	-1.35	-0.42	0.31	1.24
148	1	886	0.54	0.21	0.41	0.34	0.16	0.65	-0.22	1.13e-02	0.42	0.39
148	1	887	0.50	0.14	0.40	0.24	0.16	1.25	-1.75e-02	9.75e-02	1.14	0.36
148	1	925	0.72	0.52	0.58	0.66	8.77e-02	0.16	-1.26	-0.22	-0.88	0.63
148	1	926	0.53	7.79e-02	0.51	9.56e-02	8.77e-02	0.89	-0.22	-3.12e-02	0.69	0.42
148	1	973	0.71	0.52	0.57	0.66	-8.59e-02	0.15	-1.26	-0.22	-0.89	-0.62
148	1	976	0.41	0.18	0.32	0.27	-0.11	2.29e-02	-0.14	-6.95e-02	-4.44e-02	7.89e-02
148	1	979	0.37	0.25	0.34	0.27	-4.89e-02	8.25e-04	-2.55e-02	-2.12e-02	-3.47e-03	9.73e-03
148	1	982	0.35	0.27	0.35	0.27	-9.04e-03	1.08e-02	-4.07e-02	-3.86e-02	8.66e-03	1.03e-02
148	1	985	0.37	0.29	0.35	0.30	3.21e-02	-5.92e-03	-2.70e-02	-2.21e-02	-1.09e-02	8.94e-03
148	1	988	0.43	0.22	0.34	0.31	0.10	8.80e-03	-0.13	-7.07e-02	-5.30e-02	-7.01e-02
148	1	990	0.52	7.37e-02	0.50	9.09e-02	-8.59e-02	0.88	-0.21	-2.84e-02	0.69	-0.41
148	1	992	0.37	9.32e-02	0.31	0.15	-0.11	0.58	-7.69e-03	3.77e-03	0.57	8.11e-02
148	2	2	0.53	8.41e-02	0.52	9.23e-02	-5.96e-02	-4.89e-02	-0.18	-5.04e-02	-0.18	1.41e-02
148	2	4	0.52	6.40e-02	0.52	6.42e-02	-9.04e-03	5.89e-02	-4.81e-02	-4.71e-02	5.79e-02	1.04e-02
148	2	6	0.53	8.86e-02	0.52	9.28e-02	4.28e-02	-5.09e-02	-0.19	-5.11e-02	-0.19	5.08e-03
148	2	8	0.57	0.17	0.51	0.23	0.13	0.85	-4.04e-03	1.33e-02	0.83	-0.12
148	2	850	1.72	1.37	1.56	1.52	0.17	-0.29	-5.17	-1.20	-4.26	-1.89
148	2	851	1.40	-4.11e-02	1.38	-2.04e-02	0.17	0.45	-2.27	-0.81	-1.01	-1.35
148	2	856	0.85	0.40	0.69	0.56	-0.21	0.96	-0.29	5.56e-02	0.61	-0.56
148	2	857	0.77	0.24	0.67	0.35	-0.21	1.82	7.59e-03	0.18	1.65	-0.53
148	2	862	0.72	0.46	0.67	0.50	-9.88e-02	0.12	-7.88e-02	-2.81e-03	4.01e-02	9.50e-02
148	2	863	0.65	0.13	0.63	0.15	-9.88e-02	1.56e-02	-0.32	-3.93e-02	-0.26	0.12
148	2	868	0.69	0.48	0.68	0.48	-3.24e-02	1.46e-02	-7.80e-03	-5.20e-03	1.20e-02	-7.16e-03
148	2	869	0.64	8.22e-02	0.63	8.41e-02	-3.24e-02	3.66e-02	-1.34e-02	-3.44e-03	2.66e-02	-1.99e-02
148	2	874	0.69	0.50	0.69	0.50	1.56e-02	2.02e-02	-1.39e-02	-5.05e-03	1.13e-02	1.50e-02
148	2	875	0.64	8.41e-02	0.64	8.46e-02	1.56e-02	4.05e-02	-2.11e-02	-3.65e-03	2.30e-02	2.77e-02
148	2	880	0.72	0.50	0.68	0.54	8.71e-02	0.11	-7.32e-02	-1.96e-03	3.59e-02	-8.82e-02
148	2	881	0.65	0.14	0.64	0.15	8.71e-02	6.16e-03	-0.33	-4.06e-02	-0.29	-0.12
148	2	883	1.72	1.38	1.57	1.52	-0.17	-0.29	-5.16	-1.20	-4.25	1.90
148	2	884	1.41	-3.60e-02	1.39	-1.53e-02	-0.17	0.44	-2.28	-0.81	-1.04	1.36
...												
148	203	992	0.40	9.52e-02	0.36	0.14	-0.11	0.61	-8.01e-03	7.22e-03	0.60	9.59e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-14.52	-4.63	-14.11	-3.89		-19.55	-3.11	-19.46	-5.52
			14.51		6.79	14.39	3.91	20.38		1.24	19.50	5.53

Macro	Tipo	Angolo 1-X (gradi)
149	**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
149	1	10	0.65	5.11e-02	0.65	5.74e-02	-6.13e-02	0.11	-0.48	0.10	-0.48	4.52e-02
149	1	12	0.66	6.13e-02	0.66	6.24e-02	-2.52e-02	0.13	0.11	0.13	0.11	-7.57e-03
149	1	14	0.66	7.36e-02	0.66	7.38e-02	8.77e-03	0.12	-3.50e-02	0.12	-3.29e-02	1.79e-02
149	1	16	0.66	6.25e-02	0.65	6.53e-02	4.13e-02	0.17	8.14e-02	0.12	0.12	4.25e-02
149	1	18	0.64	5.31e-02	0.64	6.12e-02	6.86e-02	0.10	-0.45	0.10	-0.45	-2.60e-02
149	1	20	0.50	-1.77e-02	0.46	2.60e-02	0.14	0.44	-0.78	0.23	-0.57	0.46
149	1	897	0.85	0.22	0.83	0.24	-0.11	0.27	-0.55	2.06e-02	-0.29	-0.38
149	1	916	0.84	0.24	0.82	0.26	0.11	0.27	-0.54	1.73e-02	-0.29	0.38
149	1	917	0.85	0.31	0.84	0.31	5.67e-02	2.24e-02	-1.57e-02	7.56e-04	6.04e-03	-1.89e-02
149	1	918	0.85	0.33	0.85	0.33	2.61e-02	4.17e-02	-2.16e-02	-1.63e-03	2.17e-02	2.94e-02
149	1	919	0.85	0.32	0.85	0.32	-8.63e-03	1.80e-02	-2.45e-03	-1.34e-03	1.69e-02	-4.63e-03
149	1	920	0.85	0.27	0.85	0.28	-4.45e-02	3.22e-02	-4.07e-02	2.13e-03	-1.06e-02	3.59e-02
149	1	921	1.16	0.51	0.95	0.72	0.31	2.63	-9.71e-02	0.64	1.89	1.21
149	1	924	1.17	0.50	0.96	0.71	-0.31	2.63	-9.97e-02	0.64	1.89	-1.21
149	1	930	0.63	0.33	0.52	0.44	-0.15	1.17	-0.15	0.38	0.64	-0.65
149	1	931	0.51	-1.97e-02	0.47	2.38e-02	-0.15	0.44	-0.79	0.23	-0.58	-0.47
149	1	932	0.83	8.80e-02	0.81	0.10	-0.11	1.75e-02	-1.14	-7.08e-02	-1.05	-0.31
149	1	933	0.97	-8.64e-02	0.87	1.33e-02	-0.31	1.27	-0.99	0.40	-0.12	-1.10
149	1	937	0.96	-8.45e-02	0.86	1.50e-02	0.31	1.26	-0.99	0.40	-0.13	1.09
149	1	942	0.82	8.94e-02	0.80	0.11	0.11	2.16e-02	-1.10	-6.95e-02	-1.01	0.31
149	1	947	0.82	7.42e-02	0.82	7.85e-02	5.67e-02	0.18	8.52e-03	1.97e-02	0.16	-4.18e-02
149	1	952	0.82	9.05e-02	0.82	9.14e-02	2.61e-02	2.03e-02	-5.65e-02	-7.67e-03	-2.86e-02	3.69e-02
149	1	957	0.83	8.98e-02	0.83	8.99e-02	-8.63e-03	-3.60e-03	-3.74e-02	-7.40e-03	-3.36e-02	-1.07e-02
149	1	962	0.83	7.31e-02	0.82	7.57e-02	-4.45e-02	0.15	-7.97e-03	1.87e-02	0.13	6.00e-02
149	1	974	0.63	0.34	0.51	0.46	0.14	1.17	-0.14	0.37	0.65	0.64
149	1	977	0.67	0.24	0.66	0.25	6.86e-02	0.16	3.88e-02	0.16	3.88e-02	-3.65e-04

149	1	980	0.69	0.31	0.68	0.31	4.13e-02	0.13	1.16e-02	0.11	3.11e-02	4.46e-02
149	1	983	0.68	0.31	0.68	0.31	8.77e-03	0.13	1.66e-02	0.13	1.94e-02	1.75e-02
149	1	986	0.69	0.28	0.69	0.28	-2.52e-02	0.12	2.53e-02	0.12	2.66e-02	-1.09e-02
149	1	989	0.67	0.21	0.67	0.22	-6.13e-02	0.17	2.94e-02	0.16	3.21e-02	1.91e-02
149	2	10	0.80	7.21e-02	0.79	8.00e-02	-7.55e-02	0.13	-0.75	0.13	-0.75	5.89e-02
149	2	12	0.82	6.75e-02	0.81	6.90e-02	-3.33e-02	0.18	0.14	0.17	0.15	-1.97e-02
149	2	14	0.81	8.13e-02	0.81	8.14e-02	8.77e-03	0.16	-6.27e-02	0.16	-6.12e-02	1.79e-02
149	2	16	0.81	6.87e-02	0.81	7.20e-02	4.95e-02	0.22	0.11	0.16	0.16	5.46e-02
149	2	18	0.79	7.41e-02	0.78	8.38e-02	8.29e-02	0.13	-0.72	0.13	-0.72	-3.97e-02
149	2	20	0.66	-5.22e-02	0.59	1.22e-02	0.20	0.70	-0.94	0.31	-0.55	0.70
149	2	897	1.05	0.26	1.02	0.29	-0.15	0.39	-0.87	7.59e-03	-0.49	-0.58
149	2	916	1.05	0.29	1.02	0.32	0.15	0.39	-0.87	4.20e-03	-0.49	0.58
149	2	917	1.06	0.38	1.05	0.39	6.91e-02	1.31e-02	-3.90e-02	-1.08e-02	-1.51e-02	-2.60e-02
149	2	918	1.07	0.44	1.07	0.44	3.08e-02	4.03e-02	-4.24e-02	-1.46e-02	1.25e-02	3.91e-02
149	2	919	1.07	0.43	1.07	0.43	-1.33e-02	1.47e-02	-2.14e-02	-1.43e-02	7.69e-03	-1.43e-02
149	2	920	1.06	0.35	1.06	0.36	-5.70e-02	2.38e-02	-6.50e-02	-9.42e-03	-3.18e-02	4.30e-02
149	2	921	1.61	0.78	1.28	1.11	0.41	4.01	-1.06e-02	0.94	3.06	1.71
149	2	924	1.62	0.77	1.29	1.10	-0.41	4.01	-1.30e-02	0.94	3.06	-1.71
149	2	930	0.87	0.46	0.68	0.66	-0.21	1.75	-0.24	0.51	1.00	-0.96
149	2	931	0.67	-5.42e-02	0.60	1.01e-02	-0.21	0.71	-0.96	0.32	-0.57	-0.71
149	2	932	1.03	0.13	1.01	0.15	-0.15	1.38e-02	-1.81	-0.13	-1.66	-0.49
149	2	933	1.28	-0.17	1.15	-4.49e-02	-0.41	2.11	-0.93	0.64	0.54	-1.52
...												
149	203	989	0.62	0.21	0.61	0.22	-6.15e-02	0.16	3.08e-02	0.16	3.20e-02	1.30e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-13.81	-5.38	-13.11	-3.43		-17.25	-1.85	-17.05	-4.04
			13.59		7.08	12.77	3.41	18.04		2.98	17.99	4.01

Macro	Tipo	Angolo 1-X (gradi)
159	**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
159	1	1	0.26	-0.25	0.26	-0.25	-3.11e-03	1.06	0.66	1.05	0.66	2.92e-02
159	1	2	0.30	4.09e-02	0.30	4.13e-02	-9.64e-03	0.97	6.23e-02	0.97	6.23e-02	4.43e-03
159	1	3	0.27	-0.21	0.27	-0.21	-9.64e-03	0.97	-5.96e-03	0.97	-5.95e-03	2.85e-03
159	1	4	0.31	2.41e-02	0.31	2.42e-02	-5.75e-03	0.99	0.14	0.99	0.14	4.78e-03
159	1	5	0.28	-0.22	0.28	-0.22	-5.75e-03	0.99	0.17	0.99	0.17	4.74e-03
159	1	6	0.31	4.20e-02	0.31	4.20e-02	-9.42e-05	0.97	5.98e-02	0.97	5.98e-02	4.57e-03
159	1	7	0.28	-0.23	0.28	-0.23	-9.42e-05	0.97	-9.53e-03	0.97	-9.50e-03	5.84e-03
159	1	8	0.31	0.12	0.31	0.12	1.12e-03	1.02	0.38	1.02	0.38	-3.25e-02
159	1	9	0.26	-0.27	0.26	-0.27	1.12e-03	1.06	0.66	1.06	0.66	-2.39e-02
159	1	851	1.44	-8.01e-02	1.33	3.39e-02	-0.40	0.78	-1.51	-0.80	7.60e-02	1.06
159	1	852	1.49	0.15	1.36	0.29	-0.40	-0.43	-8.00	-1.63	-6.80	2.76
159	1	857	0.72	0.23	0.72	0.23	-5.54e-02	0.66	0.29	0.39	0.56	-0.16
159	1	858	0.67	-0.19	0.66	-0.19	-5.54e-02	0.96	0.41	0.44	0.93	-0.12
159	1	863	0.69	0.12	0.69	0.12	-8.57e-03	0.31	-4.11e-02	0.31	-3.54e-02	4.43e-02
159	1	864	0.66	-0.18	0.66	-0.18	-8.57e-03	0.30	-0.13	0.29	-0.13	4.02e-02
159	1	869	0.70	7.52e-02	0.70	7.53e-02	-8.80e-03	0.31	4.91e-02	0.31	4.94e-02	-7.95e-03
159	1	870	0.67	-0.17	0.67	-0.17	-8.80e-03	0.31	5.73e-02	0.31	5.75e-02	-6.79e-03
159	1	875	0.71	7.61e-02	0.71	7.62e-02	-2.84e-03	0.31	4.71e-02	0.31	4.77e-02	1.20e-02
159	1	876	0.68	-0.18	0.68	-0.18	-2.84e-03	0.31	5.44e-02	0.31	5.49e-02	1.13e-02
159	1	881	0.71	0.12	0.71	0.12	2.20e-03	0.31	-5.08e-02	0.30	-4.59e-02	-4.14e-02
159	1	882	0.67	-0.20	0.67	-0.20	2.20e-03	0.30	-0.14	0.29	-0.14	-3.71e-02
159	1	884	1.46	-7.75e-02	1.35	3.91e-02	0.41	0.77	-1.52	-0.82	6.45e-02	-1.06
159	1	885	1.51	0.14	1.38	0.28	0.41	-0.44	-8.02	-1.65	-6.82	-2.77
159	1	887	0.74	0.23	0.73	0.24	5.66e-02	0.66	0.29	0.39	0.56	0.16
159	1	888	0.68	-0.21	0.68	-0.21	5.66e-02	0.95	0.41	0.44	0.92	0.12
159	1	926	0.56	9.76e-04	0.48	8.38e-02	0.20	1.02	0.36	0.94	0.43	0.21
159	1	929	0.54	-8.84e-02	0.47	-1.72e-02	0.20	0.58	-2.99	0.54	-2.96	-0.37
159	1	990	0.55	-1.20e-04	0.47	8.01e-02	-0.19	1.02	0.36	0.95	0.43	-0.21
159	1	991	0.53	-7.55e-02	0.46	-5.02e-03	-0.19	0.58	-2.99	0.55	-2.95	0.36
159	1	992	0.30	0.12	0.30	0.12	-3.11e-03	1.02	0.38	1.02	0.38	3.76e-02
159	2	1	0.41	-0.37	0.41	-0.37	-1.84e-03	1.18	0.78	1.18	0.78	3.41e-02
159	2	2	0.48	8.08e-02	0.48	8.10e-02	-8.84e-03	1.05	4.53e-02	1.05	4.54e-02	7.22e-03
159	2	3	0.43	-0.32	0.43	-0.32	-8.84e-03	1.04	-3.35e-02	1.04	-3.34e-02	4.99e-03
159	2	4	0.49	5.97e-02	0.49	5.98e-02	-5.75e-03	1.07	0.16	1.07	0.16	4.78e-03
159	2	5	0.44	-0.32	0.44	-0.32	-5.75e-03	1.08	0.19	1.08	0.19	4.74e-03
159	2	6	0.49	8.18e-02	0.49	8.18e-02	-8.95e-04	1.05	4.29e-02	1.05	4.29e-02	1.78e-03
159	2	7	0.44	-0.33	0.44	-0.33	-8.95e-04	1.04	-3.70e-02	1.04	-3.70e-02	3.70e-03
159	2	8	0.49	0.19	0.49	0.19	-1.47e-04	1.15	0.51	1.14	0.51	-3.43e-02
159	2	9	0.42	-0.39	0.42	-0.39	-1.47e-04	1.18	0.78	1.18	0.78	-2.89e-02
159	2	851	1.97	-7.87e-02	1.81	7.49e-02	-0.54	0.34	-2.09	-1.20	-0.56	1.17
159	2	852	2.01	0.14	1.84	0.31	-0.54	-0.72	-9.12	-2.06	-7.77	3.08
159	2	857	1.08	0.33	1.08	0.34	-6.88e-02	0.86	0.31	0.38	0.79	-0.18
159	2	858	1.01	-0.30	1.00	-0.30	-6.88e-02	1.03	0.40	0.40	1.02	-3.69e-02
159	2	863	1.06	0.19	1.06	0.19	-8.61e-03	0.27	-9.54e-02	0.26	-8.65e-02	5.64e-02
159	2	864	1.00	-0.26	1.00	-0.26	-8.61e-03	0.25	-0.18	0.25	-0.17	3.86e-02
159	2	869	1.07	0.13	1.07	0.13	-8.67e-03	0.27	4.45e-02	0.27	4.50e-02	-1.08e-02
159	2	870	1.02	-0.24	1.02	-0.24	-8.67e-03	0.27	4.96e-02	0.27	4.98e-02	-6.65e-03
159	2	875	1.07	0.14	1.07	0.14	-2.98e-03	0.27	4.24e-02	0.27	4.33e-02	1.48e-02
...												
159	203	992	0.34	0.12	0.34	0.12	-5.26e-03	0.87	0.37	0.87	0.37	3.15e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-11.40	-4.09	-11.04	-2.13		-13.01	-3.95	-12.68	-4.30
			11.61		7.37	11.40	2.14	9.36		2.45	8.93	4.30

Macro	Tipo	Angolo 1-X (gradi)
160	**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
160	1	10	0.55	4.72e-02	0.55	5.06e-02	-4.12e-02	-0.11	-0.24	-0.11	-0.24	3.57e-03
160	1	11	0.53	-0.14	0.53	-0.13	-4.12e-02	-0.12	-0.34	-0.12	-0.34	-4.06e-03
160	1	12	0.56	5.42e-02	0.56	5.43e-02	-6.78e-03	3.83e-02	-4.26e-02	-4.24e-02	3.81e-02	-4.03e-03
160	1	13	0.54	-8.29e-02	0.54	-8.28e-02	-6.78e-03	8.08e-02	-3.78e-02	-3.73e-02	8.03e-02	-7.66e-03
160	1	14	0.56	6.33e-02	0.56	6.33e-02	6.28e-03	-2.48e-02	-5.37e-02	-5.08e-02	-2.77e-02	8.72e-03
160	1	15	0.54	-8.01e-02	0.54	-8.00e-02	6.28e-03	-4.79e-02	-6.54e-02	-5.46e-02	-5.87e-02	8.48e-03
160	1	16	0.56	5.62e-02	0.56	5.68e-02	1.77e-02	4.95e-02	-4.35e-02	-3.87e-02	4.47e-02	2.05e-02
160	1	17	0.54	-9.86e-02	0.54	-9.81e-02	1.77e-02	9.34e-02	-3.77e-02	-3.34e-02	8.91e-02	2.33e-02
160	1	18	0.55	5.00e-02	0.55	5.38e-02	4.32e-02	-0.11	-0.22	-0.11	-0.22	4.72e-03
160	1	19	0.52	-0.16	0.52	-0.15	4.32e-02	-0.12	-0.32	-0.12	-0.32	1.26e-02
160	1	20	0.66	2.41e-02	0.63	5.29e-02	0.13	0.12	-0.29	8.56e-02	-0.26	0.11
160	1	21	0.59	-0.42	0.58	-0.40	0.13	0.66	0.11	0.19	0.58	-0.19
160	1	910	1.13	-0.22	1.12	-0.21	0.11	0.16	-0.47	0.16	-0.47	-5.99e-03
160	1	911	1.16	-4.12e-02	1.16	-4.06e-02	2.74e-02	0.25	0.14	0.25	0.14	-1.35e-03
160	1	912	1.17	-1.08e-02	1.17	-1.07e-02	1.12e-02	0.24	-9.16e-03	0.24	-8.08e-03	1.63e-02
160	1	913	1.17	-2.07e-03	1.17	-2.07e-03	-2.58e-04	0.24	-1.21e-02	0.24	-1.19e-02	-6.26e-03
160	1	914	1.17	-1.94e-02	1.17	-1.90e-02	-2.15e-02	0.24	0.11	0.24	0.11	9.16e-03
160	1	915	1.15	-0.20	1.14	-0.19	-0.11	0.16	-0.49	0.16	-0.49	1.33e-02
160	1	922	1.17	-0.36	1.16	-0.35	-0.15	2.16	0.46	1.00	1.62	-0.79
160	1	923	1.19	-0.35	1.18	-0.34	0.15	2.16	0.46	1.02	1.61	0.80
160	1	931	0.67	2.17e-02	0.64	5.16e-02	-0.14	0.12	-0.29	9.18e-02	-0.27	-0.11
160	1	932	1.19	0.13	1.18	0.15	-0.11	0.17	-0.47	0.16	-0.46	-8.96e-02
160	1	933	1.25	5.91e-02	1.23	7.72e-02	0.15	0.84	8.65e-03	0.83	2.08e-02	9.98e-02
160	1	934	0.60	-0.41	0.59	-0.39	-0.14	0.66	0.11	0.19	0.57	0.20
160	1	937	1.23	5.86e-02	1.21	7.71e-02	-0.15	0.82	4.83e-03	0.81	1.74e-02	-0.10
160	1	942	1.17	0.14	1.16	0.15	0.11	0.18	-0.45	0.17	-0.44	9.15e-02
160	1	947	1.18	0.13	1.18	0.13	2.74e-02	0.25	0.10	0.25	0.10	-1.88e-02
160	1	952	1.19	0.14	1.19	0.14	1.12e-02	0.24	1.49e-02	0.24	1.64e-02	1.80e-02
160	1	957	1.19	0.14	1.19	0.14	-2.58e-04	0.24	1.38e-02	0.24	1.40e-02	-6.53e-03
160	1	962	1.19	0.12	1.19	0.12	-2.15e-02	0.25	8.12e-02	0.24	8.58e-02	2.73e-02
160	2	10	0.68	6.46e-02	0.68	7.00e-02	-5.73e-02	-0.35	-0.39	-0.35	-0.39	-1.13e-02
160	2	11	0.65	-0.20	0.65	-0.20	-5.73e-02	-0.36	-0.48	-0.36	-0.48	-2.14e-02
160	2	12	0.70	6.13e-02	0.70	6.14e-02	-8.71e-03	3.05e-02	-0.24	-0.24	3.02e-02	-9.55e-03
160	2	13	0.67	-0.13	0.67	-0.13	-8.71e-03	7.97e-02	-0.23	-0.23	7.90e-02	-1.49e-02
160	2	14	0.70	7.13e-02	0.70	7.14e-02	6.28e-03	-6.64e-02	-0.25	-0.25	-6.68e-02	8.72e-03
160	2	15	0.67	-0.13	0.67	-0.13	6.28e-03	-0.11	-0.26	-0.26	-0.11	8.48e-03
160	2	16	0.69	6.33e-02	0.69	6.39e-02	1.96e-02	3.93e-02	-0.23	-0.23	3.68e-02	2.60e-02
160	2	17	0.67	-0.14	0.67	-0.14	1.96e-02	9.08e-02	-0.23	-0.23	8.78e-02	3.06e-02
160	2	18	0.68	6.74e-02	0.67	7.32e-02	5.93e-02	-0.34	-0.39	-0.35	-0.38	1.96e-02
160	2	19	0.64	-0.22	0.64	-0.22	5.93e-02	-0.35	-0.47	-0.36	-0.46	2.99e-02
160	2	20	0.84	2.04e-02	0.81	5.21e-02	0.16	0.11	-0.30	6.76e-02	-0.26	0.12
160	2	21	0.77	-0.53	0.75	-0.51	0.16	0.89	2.97e-02	0.19	0.73	-0.33
160	2	910	1.39	-0.31	1.38	-0.30	0.15	8.76e-02	-0.65	7.97e-02	-0.64	-7.58e-02
160	2	911	1.43	-7.18e-02	1.43	-7.10e-02	3.43e-02	0.20	0.13	0.19	0.14	8.98e-03
160	2	912	1.45	-3.80e-02	1.45	-3.79e-02	1.17e-02	0.18	-4.03e-02	0.18	-3.87e-02	1.86e-02
160	2	913	1.46	-2.93e-02	1.46	-2.93e-02	-7.94e-04	0.18	-4.29e-02	0.18	-4.26e-02	-8.55e-03
160	2	914	1.45	-5.00e-02	1.45	-4.94e-02	-2.84e-02	0.19	0.11	0.19	0.11	-1.17e-03
160	2	915	1.41	-0.29	1.40	-0.28	-0.15	8.45e-02	-0.68	7.52e-02	-0.67	8.31e-02
...												
160	203	962	1.10	0.12	1.10	0.12	-2.29e-02	0.16	7.00e-02	0.16	7.62e-02	2.31e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-10.68	-2.42	-10.43	-1.77		-7.91	-1.01	-7.71	-2.26
			10.17		4.87	10.03	1.76	9.66		1.97	9.66	2.27

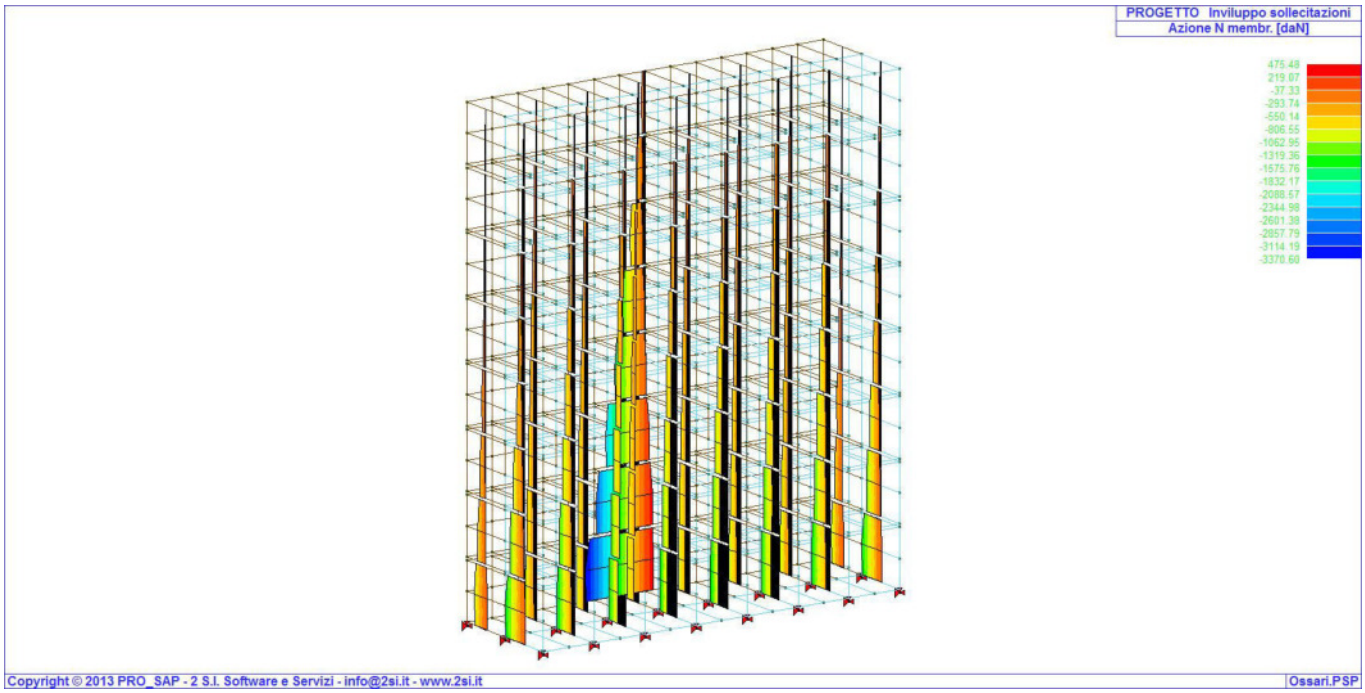
PROGETTO Inviluppo sollecitazioni
Azione N membr. [daN]
475.48
219.07
-37.33
-293.74
-550.14
-806.55
-1062.95
-1319.36
-1575.76
-1832.17
-2088.57
-2344.98
-2601.38
-2857.79
-3114.19
-3370.60
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Fig. 8

VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

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

Per le pareti in c.a. progettate in ottemperanza al cap. 7 del DM 14-01-08 vengono riportate 4 tabelle. In particolare per ogni parete si riportano:

- una tabella riassuntiva della geometria e dello stato di verifica per compressione assiale, pressoflessione e taglio
- una tabella nella quale, per ogni quota significativa, si riporta l' armatura verticale di base e della zona confinata, l' armatura orizzontale, l' esito delle 5 verifiche condotte, lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento
- una tabella nella quale, per ogni quota significativa, si riportano le azioni che hanno reso massimo il valore delle 5 verifiche condotte (in particolare le verifiche a taglio sono influenzate dal valore dello sforzo assiale e del momento). Le azioni derivate dall' analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1 : traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale
- una tabella riassuntiva dei parametri utilizzati per le verifiche a taglio per ogni quota significativa.

Tabella 1	
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento
H critica V	Altezza come da punto 7.4.6.1.4 per la definizione della zona critica e zona confinata
L totale	Larghezza di base della parete
L confinata	Larghezza della zona confinata
Verif. N	Verifica di cui al punto 7.4.4.5.2.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.2.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.2
Verif. V	Verifica di cui al punto 7.4.4.5.2.2 taglio (compressione cls, trazione acciaio, scorrimento in zona critica)
Tabella 2	
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
M invil	Inviluppo del momento come al punto 7.4.4.5.1 (informativo)
V invil	Inviluppo del taglio come al punto 7.4.4.5.1 (informativo)
Tabella 3	
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
Tabella 4	
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 [7.4.19]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vfd	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]

Nel caso dei gusci e nel caso in cui la progettazione della parete sia integrata o effettuata del tutto con progettazione locale si produce una tabella nella quale vengono riportati per ogni macroelemento il numero dello stesso ed il codice di verifica.
Per la progettazione con il metodo degli stati limite vengono riportati il rapporto x/d, la verifica per sollecitazioni ultime e la verifica per compressione media con l'indicazione delle due combinazioni in cui si sono attinti i rispettivi valori.
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.
Per ogni elemento viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso (diametri in mm, passi in cm). Le quantità di armature necessarie
sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

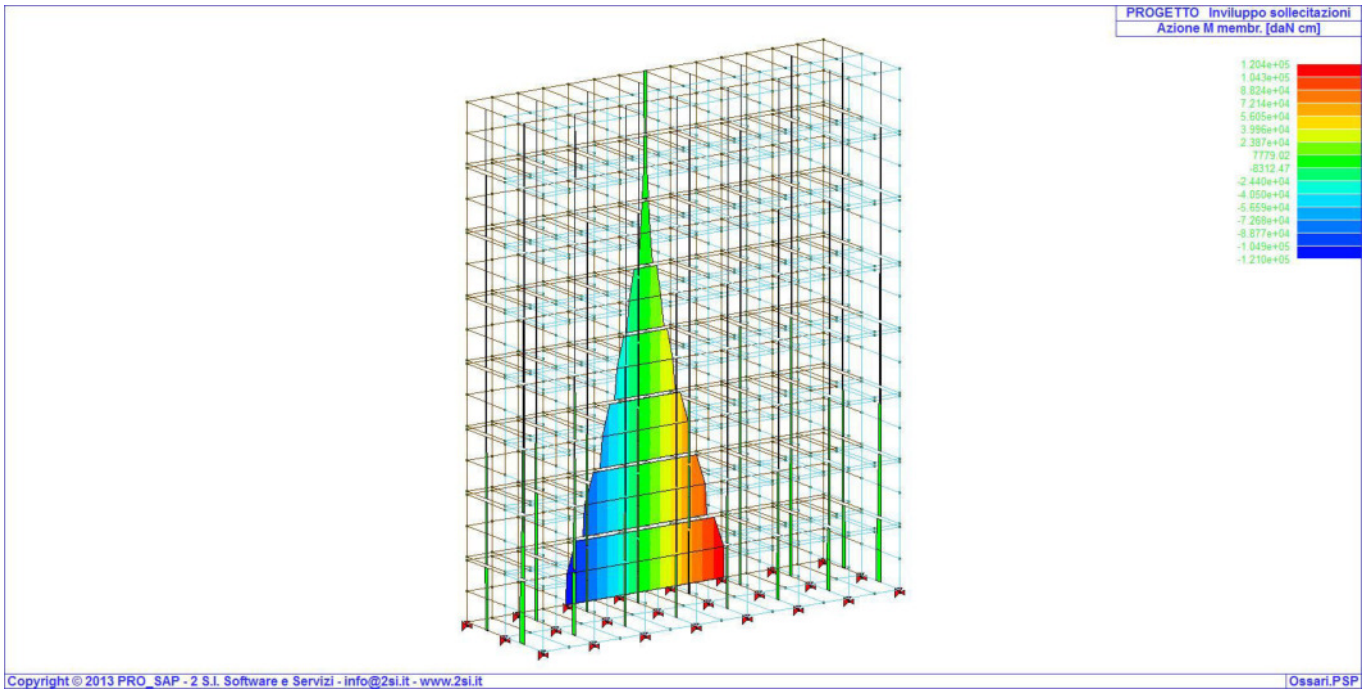
In particolare i simboli utilizzati assumono il seguente significato:

M_S		macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
M_G		macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Stato		codice di verifica dell'elemento
Nodo		numero del nodo
x/d		rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.		rapporto Sd/Su con sollecitazioni ultime ~~proporzionali~~: valore minore o uguale a 1 per verifica positiva
Ver.rd		rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd): valore minore o uguale a 1 per verifica positiva
Rete pr		maglia di armatura (diametro/passo) in direzione principale inferiore e superiore
Rete sec		maglia di armatura (diametro/passo) in direzione secondaria inferiore e superiore
Aggiuntivi		relativa armatura aggiuntiva (diametro/passo) inferiore (i) e superiore (s) eventualmente differenziate
sc max		massima tensione di compressione del calcestruzzo
sc med		massima tensione media di compressione del calcestruzzo
sf max		massima tensione dell'acciaio
Rif. cmb		combinazioni di carico in cui si verificano i valori riportati
Af pr-		quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr+		quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	**Af sec+**	valori analoghi a quelli soprariportati ma relativi alla armatura secondaria
N	**M**	azioni membranali e flessionali (in direzione dell'armatura principale e secondaria) estratte, poiché rappresentative, tra quelle utilizzate per il progetto e la verifica

Setto	Stato	Nodo	x/d	verif.	ver. rid	Rif. cmb	Af pr-	Af pr+	Af sec-	Af sec+	Rete pr + Aggiuntivi	Rete sec + Aggiuntivi
1	ok	50	0.36	0.02	9.44e-03	48,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		85	0.36	0.07	0.03	48,48	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)

		119	0.36	0.07	0.03	48,48	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		118	0.36	0.02	9.43e-03	48,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
2	ok	77	0.36	0.02	8.93e-03	44,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		86	0.36	0.02	6.12e-03	44,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		122	0.36	0.02	6.43e-03	12,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		121	0.36	0.02	9.19e-03	44,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
3	ok	43	0.32	0.03	0.01	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		78	0.32	0.04	3.27e-03	44,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		124	0.32	0.03	3.67e-03	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		118	0.32	0.03	0.01	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
4	ok	22	0.32	0.02	0.01	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		126	0.32	0.04	1.69e-03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		125	0.32	7.88e-03	3.15e-03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		88	0.32	0.03	0.01	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
5	ok	25	0.32	0.03	0.01	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		129	0.09	0.03	3.87e-03	44,44	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		128	0.09	0.03	3.94e-03	44,44	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		93	0.32	0.03	0.01	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
6	ok	28	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		132	0.09	0.03	4.02e-03	44,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		131	0.09	0.03	4.07e-03	44,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		98	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
7	ok	31	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		135	0.09	0.04	4.20e-03	44,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		134	0.09	0.03	4.22e-03	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		103	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
8	ok	34	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		138	0.09	0.04	4.30e-03	44,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		137	0.09	0.04	4.35e-03	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		108	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
9	ok	37	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		141	0.09	0.05	4.38e-03	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		140	0.09	0.04	4.45e-03	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		113	0.09	0.03	0.01	48,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
28	ok	88	0.36	0.03	0.01	44,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		89	0.36	0.02	6.14e-03	44,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		23	0.36	0.02	5.83e-03	48,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
		22	0.36	0.03	9.84e-03	44,44	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
29	ok	90	0.58	0.03	5.27e-03	44,44	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
		75	0.58	0.14	0.04	48,48	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
		92	0.58	0.14	0.04	48,48	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
		89	0.58	0.02	5.57e-03	44,44	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
30	ok	89	0.58	0.02	5.82e-03	48,48	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
		92	0.58	0.16	0.04	48,48	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
		24	0.58	0.16	0.04	48,48	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
		23	0.58	0.04	5.35e-03	48,48	5.0	0.0	1.0	0.0	5/20+(8/12 i 8/0 s)	5/20+(8/0 i 8/0 s)
31	ok	93	0.36	0.02	0.01	48,48	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
...												
928	ok	113	0.36	0.02	9.68e-03	48,48	4.0	0.0	1.0	0.0	5/20+(8/17 i 8/0 s)	5/20+(8/0 i 8/0 s)
Setto			**x/d**	**verif.**	**ver. rid**		**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**		
			0.58	0.22	0.06		5.03	0.0	0.98	0.0		

Guscio	**Stato**	**Nodo**	**x/d**	**verif.**	**ver. rid**	**Rif. cmb**	**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**	**Rete pr + Aggiuntivi**	**Rete sec + Aggiuntivi**
10	ok	22	0.18	0.11	6.84e-03	71,70	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		23	0.18	0.24	0.02	89,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		143	0.18	0.24	0.02	81,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		126	0.18	0.09	4.93e-03	68,70	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
11	ok	25	0.18	0.10	6.71e-03	91,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		26	0.18	0.10	6.57e-03	81,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		145	0.18	0.10	6.60e-03	81,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		129	0.18	0.09	6.73e-03	91,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
12	ok	28	0.18	0.07	4.60e-03	95,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		29	0.18	0.08	4.63e-03	81,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		147	0.18	0.08	4.71e-03	81,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		132	0.18	0.07	4.67e-03	95,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
13	ok	31	0.18	0.05	2.64e-03	81,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		32	0.18	0.06	3.08e-03	86,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		149	0.18	0.06	3.20e-03	86,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		135	0.18	0.05	2.73e-03	81,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
14	ok	34	0.18	0.06	3.33e-03	92,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		35	0.18	0.07	4.11e-03	86,95	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		151	0.18	0.08	4.11e-03	86,95	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		138	0.18	0.06	3.28e-03	84,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
15	ok	37	0.18	0.08	5.21e-03	96,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		38	0.18	0.10	5.96e-03	86,95	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		153	0.18	0.10	5.96e-03	86,95	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		141	0.18	0.08	5.17e-03	96,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
16	ok	73	0.18	0.07	6.19e-03	93,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		115	0.18	0.09	6.19e-03	87,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		155	0.18	0.09	6.16e-03	87,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		142	0.18	0.07	6.16e-03	93,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
17	ok	72	0.18	0.05	4.50e-03	91,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		110	0.18	0.06	4.44e-03	87,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		157	0.18	0.07	4.40e-03	87,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		139	0.18	0.05	4.47e-03	87,86	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
18	ok	71	0.18	0.04	3.87e-03	91,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		105	0.18	0.05	3.61e-03	87,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		159	0.18	0.05	3.65e-03	87,85	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		136	0.18	0.04	3.91e-03	88,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
19	ok	70	0.18	0.05	5.58e-03	96,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		100	0.18	0.07	5.02e-03	84,89	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		161	0.18	0.06	5.01e-03	84,89	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		133	0.18	0.05	5.57e-03	84,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
20	ok	69	0.18	0.07	6.99e-03	90,89	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		95	0.18	0.08	6.71e-03	84,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		163	0.18	0.08	6.68e-03	84,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		130	0.18	0.07	6.97e-03	90,89	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
21	ok	74	0.18	0.09	6.52e-03	70,71	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		90	0.18	0.21	0.01	94,91	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		165	0.18	0.21	0.01	84,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		127	0.18	0.06	4.35e-03	90,71	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
22	ok	78	0.18	0.09	4.96e-03	75,77	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
...												
922	ok	83	0.18	0.09	7.65e-03	93,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
Guscio			**x/d**	**verif.**	**ver. rid**		**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**		
			0.18	0.26	0.02		2.02	0.0	2.02	0.0		


PROGETTO Inviluppo sollecitazioni
Azione M membr. [daN cm]
1.204e+05
1.043e+05
8.824e+04
7.214e+04
5.605e+04
3.996e+04
2.387e+04
7779.02
-8312.47
-2.440e+04
-4.050e+04
-5.659e+04
-7.268e+04
-8.877e+04
-1.049e+05
-1.210e+05
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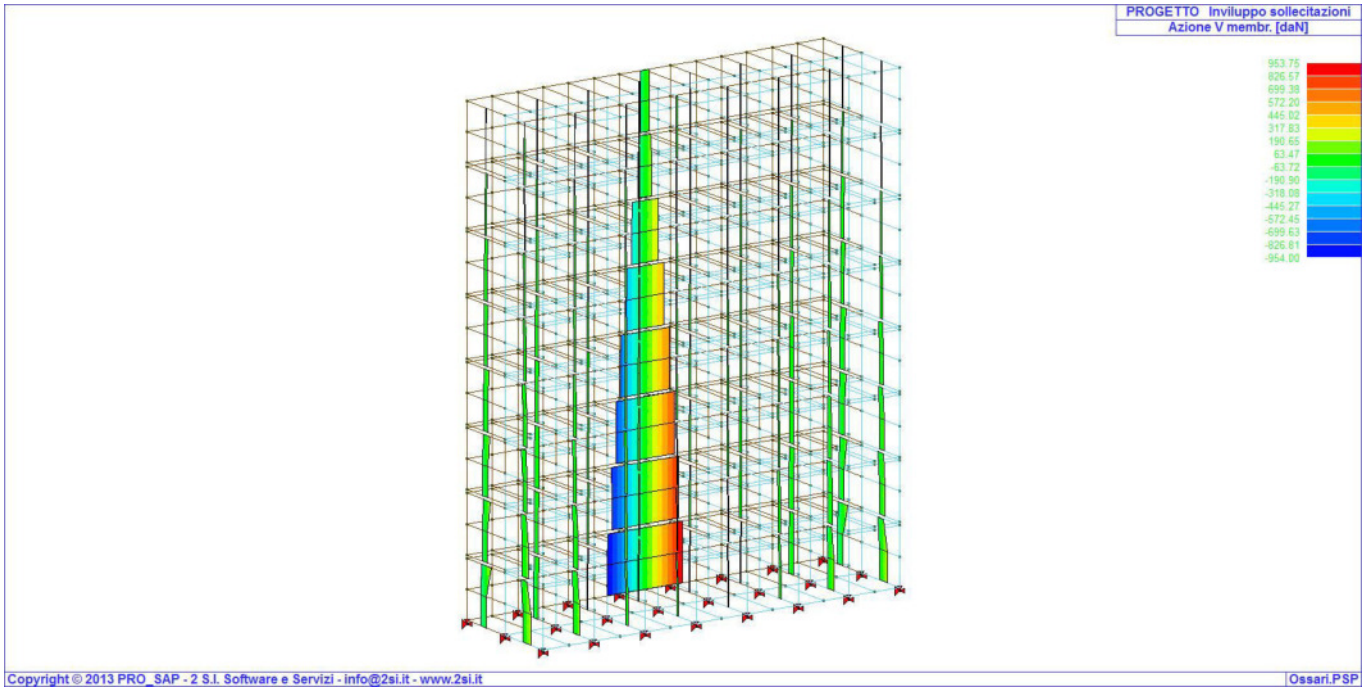
Ossari.PSP

Fig. 9


PROGETTO Inviluppo sollecitazioni
Azione V membr. [daN]
953.75
826.57
699.38
572.20
445.02
317.83
190.65
63.47
-63.72
-190.90
-318.08
-445.27
-572.45
-699.63
-826.81
-954.00
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Ossari.PSP

Fig. 10

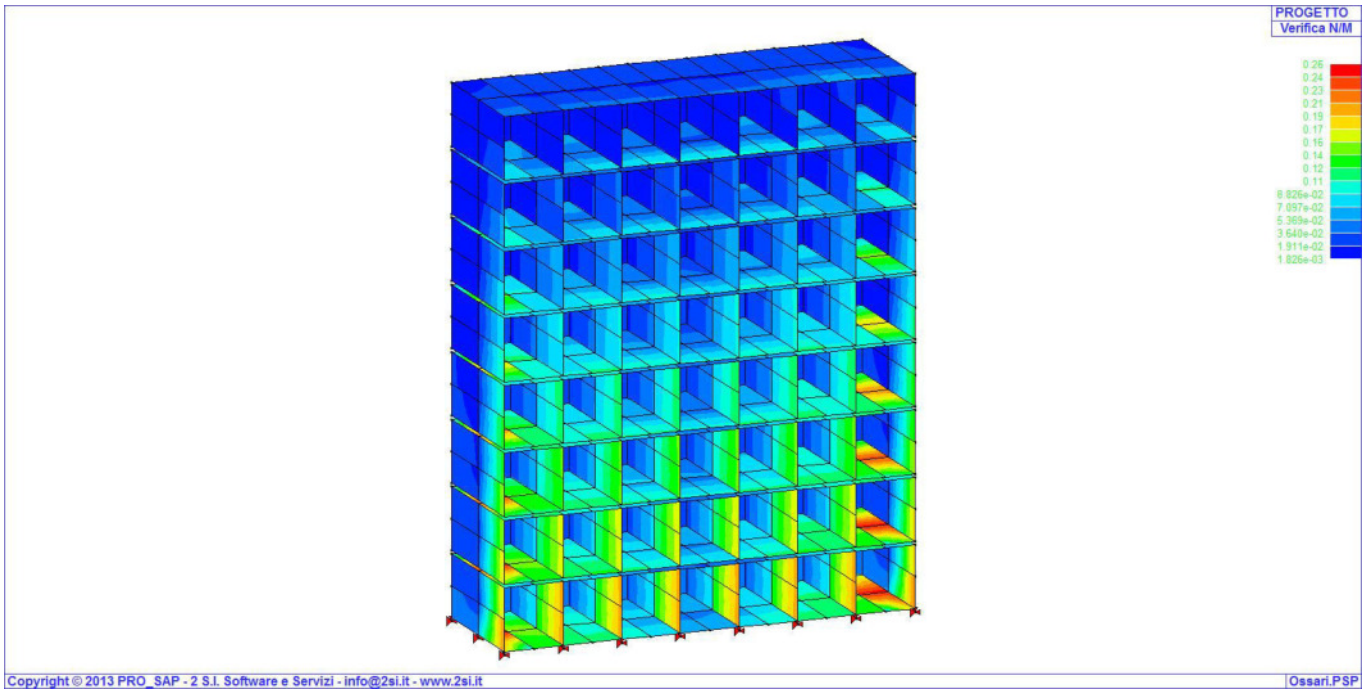
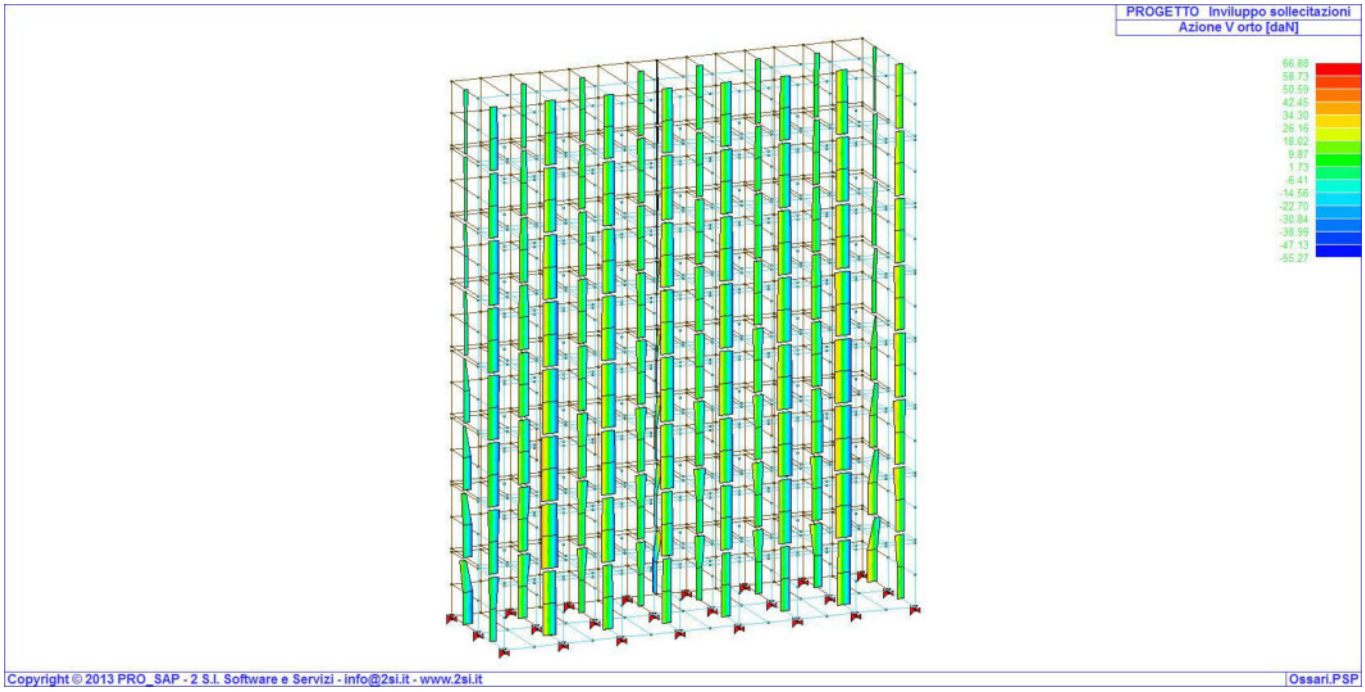

PROGETTO
Verifica N/M
0.26
0.24
0.23
0.21
0.19
0.17
0.16
0.14
0.12
0.11
8.826e-02
7.097e-02
5.369e-02
3.640e-02
1.911e-02
1.826e-03
Copyright © 2013 PRO_SAP - 2 S.I. Software e Servizi - info@2si.it - www.2si.it
Ossari.PSP

Fig. 11


PROGETTO Inviluppo sollecitazioni
Azione V orto [daN]
66.88
58.73
50.59
42.45
34.30
26.16
18.02
9.87
1.73
-6.41
-14.56
-22.70
-30.84
-38.99
-47.13
-55.27
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Ossari.PSP

Fig. 12

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).

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.02	0.01	0.02	160,160,203	1.07e-03	1.06e-03	1.06e-03	145,169,196
2	6.12e-03	0.01	7.54e-03	156,156,203	6.59e-03	6.35e-03	6.22e-03	156,195,203
3	7.35e-03	0.03	9.17e-03	160,156,203	0.01	0.01	0.01	156,195,203
4	6.41e-03	0.03	8.08e-03	156,156,203	0.01	0.01	0.01	156,195,203
5	7.56e-03	0.03	9.51e-03	156,156,203	0.01	0.01	0.01	156,195,203
6	7.56e-03	0.03	9.59e-03	156,156,203	0.01	0.01	0.01	156,195,203
7	8.02e-03	0.03	0.01	156,156,203	0.01	0.01	0.01	156,195,203
8	8.60e-03	0.03	0.01	156,156,203	0.02	0.02	0.01	156,195,203
9	9.63e-03	0.04	0.01	160,160,203	0.02	0.02	0.02	160,195,203
28	7.28e-03	0.02	8.96e-03	156,160,203	8.24e-03	7.98e-03	7.81e-03	160,195,203
29	0.02	0.02	0.03	160,156,203	8.06e-03	7.80e-03	7.63e-03	156,195,203
30	0.03	0.03	0.04	160,160,203	9.90e-03	9.61e-03	9.41e-03	160,195,203
31	0.02	0.01	0.02	160,160,203	0.0	0.0	0.0	0,0,0
32	0.02	0.02	0.03	160,160,203	8.36e-04	8.35e-04	8.35e-04	149,173,196
33	0.02	0.02	0.03	160,160,203	0.0	0.0	0.0	0,0,0
34	0.02	0.01	0.02	156,156,203	0.0	0.0	0.0	0,0,0
35	0.03	0.02	0.03	156,156,203	1.09e-03	1.09e-03	1.08e-03	129,169,196
36	0.02	0.02	0.03	156,156,203	0.0	0.0	0.0	0,0,0
37	0.02	0.01	0.02	156,156,203	0.0	0.0	0.0	0,0,0
38	0.03	0.02	0.03	156,156,203	4.98e-04	4.93e-04	4.89e-04	145,169,196
39	0.02	0.02	0.03	156,156,203	0.0	0.0	0.0	0,0,0
40	0.02	0.01	0.02	156,156,203	0.0	0.0	0.0	0,0,0
41	0.03	0.02	0.03	156,156,203	4.83e-04	4.78e-04	4.73e-04	145,169,196
42	0.02	0.02	0.03	156,156,203	0.0	0.0	0.0	0,0,0
43	0.02	0.01	0.02	156,156,203	0.0	0.0	0.0	0,0,0
44	0.03	0.02	0.03	156,156,203	4.83e-04	4.78e-04	4.73e-04	145,169,196
45	0.02	0.02	0.03	156,156,203	0.0	0.0	0.0	0,0,0
46	0.02	0.01	0.02	160,160,203	0.0	0.0	0.0	0,0,0
47	0.03	0.02	0.03	160,160,203	8.80e-04	8.79e-04	8.78e-04	149,173,196
48	0.02	0.02	0.03	160,160,203	0.0	0.0	0.0	0,0,0
49	7.21e-03	0.02	8.87e-03	156,160,203	8.26e-03	8.00e-03	7.82e-03	160,195,203
50	0.02	0.02	0.03	160,156,203	8.20e-03	7.94e-03	7.77e-03	156,195,203
51	0.03	0.03	0.04	160,160,203	1.00e-02	9.70e-03	9.50e-03	160,195,203
52	6.53e-03	8.15e-03	8.10e-03	156,156,203	3.13e-03	2.89e-03	2.79e-03	156,195,203
53	6.49e-03	0.03	8.19e-03	156,156,203	0.01	0.01	0.01	156,195,203
54	5.51e-03	0.02	6.80e-03	156,160,203	7.57e-03	7.15e-03	6.91e-03	160,195,203
55	5.60e-03	0.02	6.92e-03	156,160,203	7.88e-03	7.46e-03	7.21e-03	160,195,203
56	7.35e-03	0.03	9.17e-03	160,156,203	0.01	0.01	0.01	156,195,203
57	6.52e-03	8.52e-03	8.08e-03	156,156,203	3.40e-03	3.14e-03	3.01e-03	156,195,203
58	6.39e-03	0.02	7.93e-03	160,160,203	8.11e-03	7.66e-03	7.41e-03	160,195,203
59	9.59e-03	0.04	0.01	160,160,203	0.02	0.02	0.02	160,195,203
60	6.80e-03	8.20e-03	8.41e-03	160,156,203	3.96e-03	3.67e-03	3.50e-03	156,195,203
61	6.83e-03	0.01	8.45e-03	160,160,203	6.71e-03	6.34e-03	6.12e-03	160,195,203
62	8.65e-03	0.03	0.01	156,156,203	0.02	0.02	0.01	156,195,203
63	6.82e-03	9.57e-03	8.43e-03	160,156,203	4.64e-03	4.36e-03	4.18e-03	156,195,203
64	6.83e-03	0.01	8.44e-03	160,160,203	5.81e-03	5.49e-03	5.28e-03	160,195,203
65	8.20e-03	0.03	0.01	156,156,203	0.01	0.01	0.01	156,195,203
66	6.85e-03	0.01	8.46e-03	160,160,203	5.76e-03	5.44e-03	5.23e-03	160,195,203
...								
928	0.02	0.01	0.02	156,156,203	1.47e-03	1.45e-03	1.43e-03	145,169,196
Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.04	0.06	0.05		0.05	0.02	0.02	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
10	0.02	0.03	0.02	156,156,203	9.47e-03	9.08e-03	8.83e-03	156,195,203
11	5.74e-03	0.01	7.11e-03	160,160,203	4.08e-03	3.93e-03	3.79e-03	140,195,203
12	1.63e-03	6.85e-03	1.98e-03	156,156,203	4.28e-03	3.08e-03	3.08e-03	144,162,197
13	1.71e-03	7.38e-03	2.12e-03	156,156,203	4.34e-03	4.09e-03	3.91e-03	160,195,203
14	1.71e-03	8.25e-03	2.16e-03	156,156,203	4.41e-03	4.16e-03	3.98e-03	160,195,203
15	2.94e-03	0.01	3.59e-03	160,160,203	3.17e-03	3.04e-03	2.93e-03	160,195,203
16	2.54e-03	0.01	3.20e-03	156,156,203	7.67e-03	7.48e-03	7.37e-03	160,195,203
17	2.06e-03	0.01	2.62e-03	156,156,203	7.84e-03	7.65e-03	7.53e-03	160,195,203
18	2.38e-03	0.01	3.00e-03	160,160,203	7.85e-03	7.66e-03	7.54e-03	160,195,203
19	3.02e-03	0.01	3.78e-03	160,160,203	7.74e-03	7.55e-03	7.44e-03	160,195,203
20	4.50e-03	0.01	5.55e-03	156,160,203	6.62e-03	6.39e-03	6.24e-03	140,192,197
21	0.01	0.03	0.02	156,156,203	7.96e-03	7.66e-03	7.45e-03	156,195,203
22	0.02	0.03	0.02	156,156,203	9.46e-03	9.07e-03	8.83e-03	156,195,203
23	7.44e-03	0.01	9.89e-03	145,160,196	3.86e-03	3.72e-03	3.63e-03	160,195,203
24	0.04	0.07	0.06	156,160,203	0.02	0.02	0.02	160,195,203
25	0.01	0.03	0.02	156,156,203	7.95e-03	7.65e-03	7.45e-03	156,195,203
26	4.57e-03	0.02	5.63e-03	160,160,203	0.01	0.01	0.01	160,195,203
27	0.01	0.03	0.02	156,156,203	7.21e-03	6.97e-03	6.82e-03	156,195,203
73	5.58e-03	0.02	6.87e-03	160,160,203	5.62e-03	5.37e-03	5.21e-03	160,195,203
74	0.04	0.07	0.06	156,160,203	0.02	0.02	0.02	160,195,203
75	7.49e-03	0.01	9.96e-03	145,160,196	3.78e-03	3.64e-03	3.55e-03	160,195,203
76	3.04e-03	9.81e-03	3.71e-03	160,160,203	3.08e-03	2.94e-03	2.84e-03	160,195,203
77	8.29e-03	0.02	0.01	160,160,203	4.17e-03	4.02e-03	3.91e-03	160,195,203
78	6.29e-03	0.01	8.12e-03	156,156,203	7.03e-03	6.80e-03	6.57e-03	154,195,203
79	1.81e-03	8.38e-03	2.28e-03	160,156,203	4.36e-03	4.10e-03	3.93e-03	160,195,203
80	6.39e-03	0.01	8.33e-03	156,156,203	4.97e-03	4.90e-03	4.87e-03	155,167,202
81	6.42e-03	0.01	8.37e-03	156,156,203	3.74e-03	6.80e-03	6.76e-03	156,168,203
82	1.81e-03	7.84e-03	2.26e-03	156,156,203	4.37e-03	4.11e-03	3.94e-03	160,195,203
83	6.65e-03	0.01	8.65e-03	156,156,203	7.49e-03	3.64e-03	3.54e-03	156,195,203
84	6.56e-03	0.01	8.53e-03	156,156,203	7.43e-03	7.07e-03	6.83e-03	156,195,203
85	1.95e-03	7.67e-03	2.39e-03	156,156,203	4.39e-03	3.17e-03	2.15e-03	156,174,203
86	6.51e-03	0.01	8.49e-03	156,156,203	7.35e-03	7.12e-03	6.88e-03	154,195,203
87	6.30e-03	0.01	8.20e-03	156,156,203	5.00e-03	4.93e-03	4.89e-03	155,167,202
88	5.64e-03	0.01	6.98e-03	160,160,203	4.27e-03	4.04e-03	3.50e-03	160,195,201
89	6.31e-03	0.01	8.15e-03	156,156,203	7.29e-03	6.93e-03	6.69e-03	156,195,203
90	8.16e-03	0.02	0.01	160,160,203	4.22e-03	4.06e-03	3.95e-03	160,195,203
91	4.69e-03	0.01	5.80e-03	156,160,203	5.77e-03	5.67e-03	5.62e-03	159,183,202
92	3.70e-03	0.02	4.84e-03	160,160,203	0.01	0.01	0.01	160,195,203

93	4.66e-03	0.02	5.72e-03	160,160,203	0.01	0.01	0.01	156,195,203
94	2.59e-03	0.01	3.20e-03	160,160,203	7.76e-03	7.57e-03	7.46e-03	160,195,203
95	3.97e-03	0.02	5.18e-03	160,160,203	9.19e-03	9.01e-03	8.88e-03	158,195,203
96	4.43e-03	0.02	5.74e-03	160,160,203	6.41e-03	6.33e-03	6.23e-03	158,195,203
97	2.05e-03	0.01	2.56e-03	160,160,203	7.87e-03	7.68e-03	7.56e-03	160,195,203
98	3.80e-03	0.02	4.94e-03	160,160,203	0.01	0.01	6.80e-03	160,195,203
99	3.72e-03	0.02	4.88e-03	160,160,203	0.01	0.01	7.94e-03	160,195,202
100	1.71e-03	0.01	2.15e-03	156,156,203	7.84e-03	7.65e-03	7.53e-03	160,195,203
101	4.56e-03	0.02	5.90e-03	160,160,203	6.31e-03	6.15e-03	5.22e-03	160,195,203
102	3.87e-03	0.02	5.06e-03	160,160,203	9.21e-03	9.18e-03	9.05e-03	152,195,203
...								
922	5.14e-03	0.01	6.32e-03	156,160,203	6.09e-03	6.08e-03	6.07e-03	147,185,198
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.05	0.08	0.06		0.02	0.02	0.02	

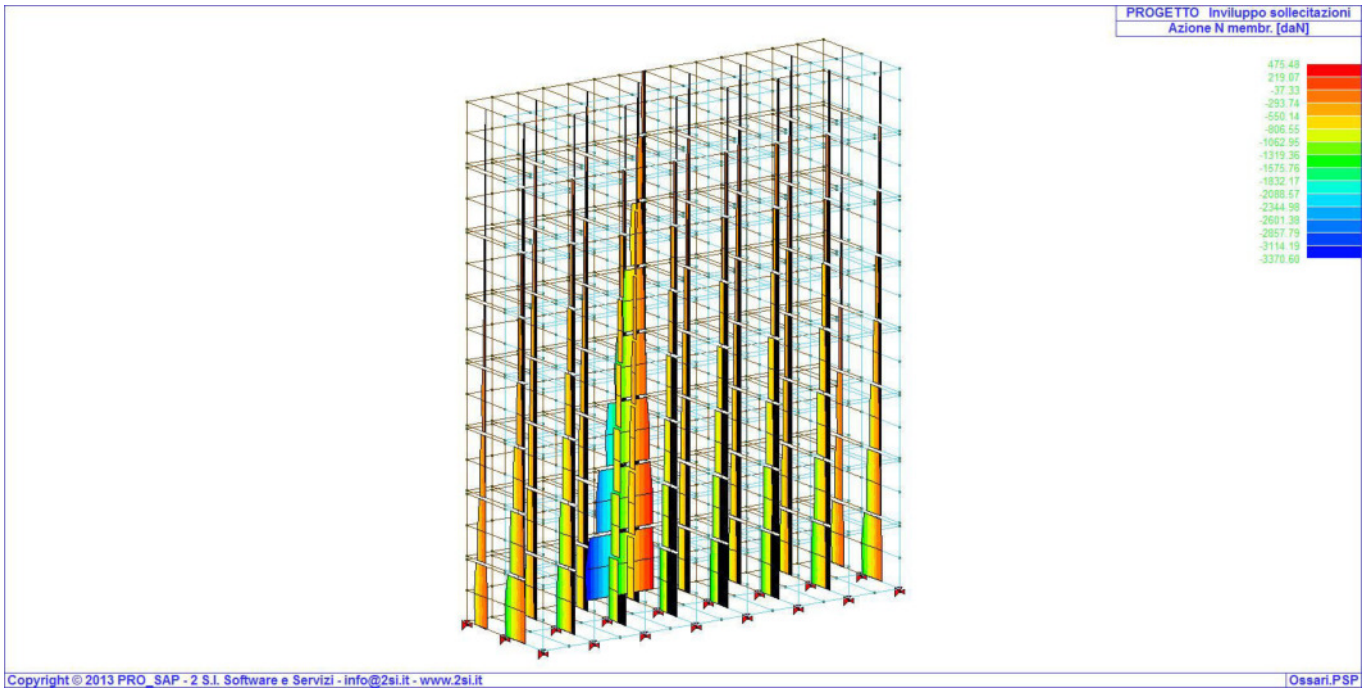

Fig. 13

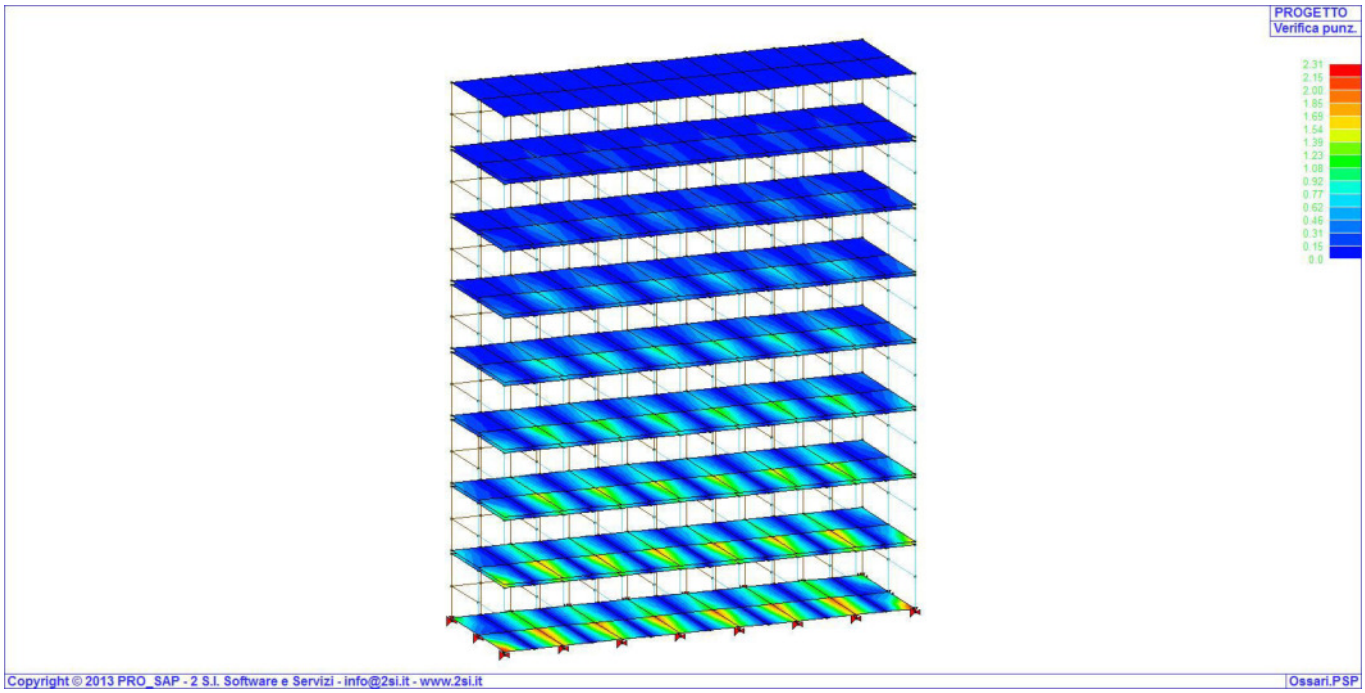
PROGETTO
Verifica punz.
2.31
2.15
2.00
1.85
1.69
1.54
1.39
1.23
1.08
0.92
0.77
0.62
0.46
0.31
0.15
0.0
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Fig. 14

FASCICOLO DI CALCOLO OSSARI TIPO B

Giugno 2017

NORMATIVA DI RIFERIMENTO....605
MATERIALI E COPRIFERRI PER STRUTTURE IN CA....607
DURABILITA' 608
CARATTERISTICHE MATERIALI UTILIZZATI....610
LEGENDA TABELLA DATI MATERIALI 610
MODELLAZIONE DELLE SEZIONI....618
LEGENDA TABELLA DATI SEZIONI 618
MODELLAZIONE STRUTTURA: NODI....620
LEGENDA TABELLA DATI NODI 620
TABELLA DATI NODI....620
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE....624
TABELLA DATI TRAVI....624
MODELLAZIONE STRUTTURA: ELEMENTI SHELL....630
LEGENDA TABELLA DATI SHELL....630
MODELLAZIONE DELLE AZIONI....639
LEGENDA TABELLA DATI AZIONI....639
SCHEMATIZZAZIONE DEI CASI DI CARICO....643
LEGENDA TABELLA CASI DI CARICO....643
DEFINIZIONE DELLE COMBINAZIONI 646
LEGENDA TABELLA COMBINAZIONI DI CARICO....646
AZIONE SISMICA 654
VALUTAZIONE DELL' AZIONE SISMICA....654
Parametri della struttura....654
RISULTATI ANALISI SISMICHE 655
LEGENDA TABELLA ANALISI SISMICHE....655

RISULTATI NODALI 666
LEGENDA RISULTATI NODALI 666
RISULTATI ELEMENTI TIPO TRAVE 671
LEGENDA RISULTATI ELEMENTI TIPO TRAVE 671
RISULTATI ELEMENTI TIPO SHELL 673
LEGENDA RISULTATI ELEMENTI TIPO SHELL 673
VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A. 752
LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A. 752
STATI LIMITE D' ESERCIZIO 757
LEGENDA TABELLA STATI LIMITE D' ESERCIZIO 757

NORMATIVA DI RIFERIMENTO

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

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

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

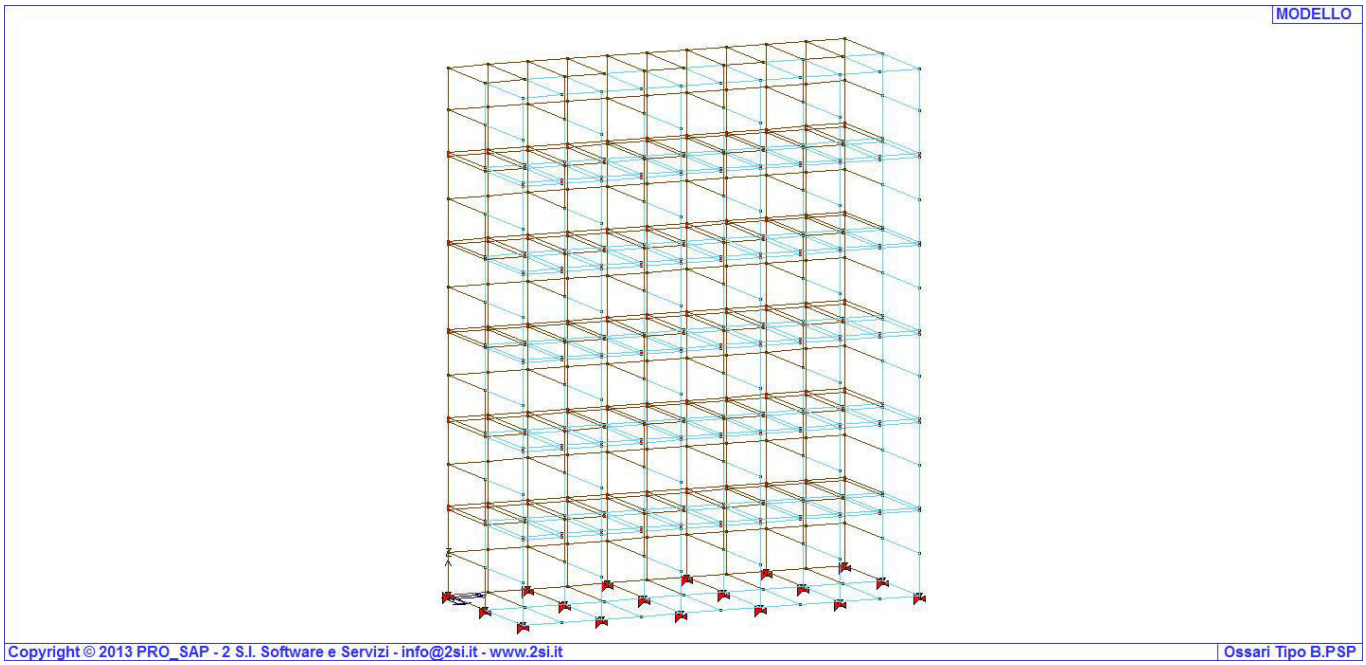
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Fig. 1

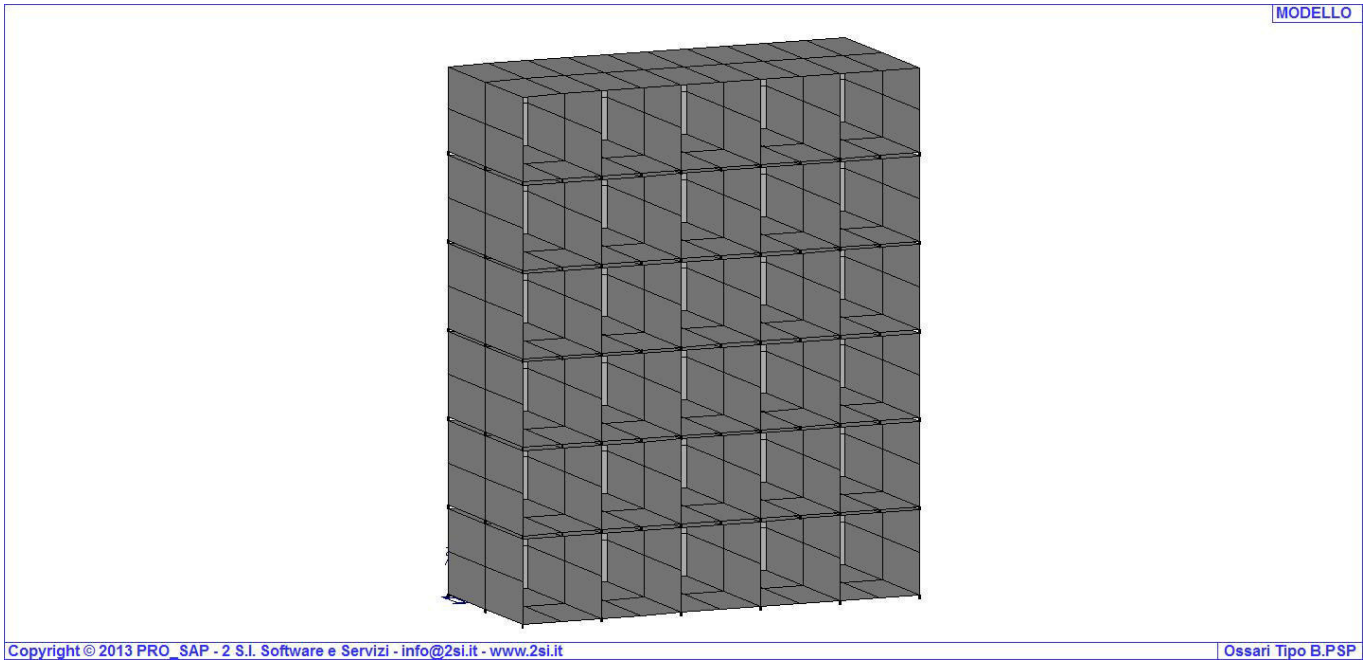
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Fig. 2

MATERIALI E COPRIFERRI PER STRUTTURE IN CA

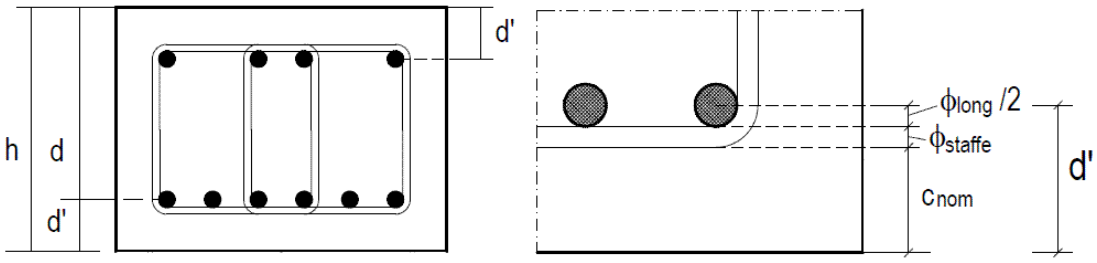
Classe di esposizione ambientale	Copriferro $c_{min,dur}$ [mm]							
	15	25	30	35	40	45	50	55
XC1		C25/30, 0.60, 300						
XC2				C25/30, 0.60, 300				
XC3				C28/35, 0.55, 320				
XC4					C32/40, 0.50, 340			
XD1						C28/35, 0.55, 320		
XD2							C35/45, 0.45, 360	
XD3								C35/45, 0.45, 360
XS1						C28/35, 0.55, 320		
XS2							C35/45, 0.45, 360	
XS3								C35/45, 0.45, 360
XF1	C28/35, 0,50, 320							
XF2 – XF3	C25/30, 0,50, 340							
XF4	C28/35, 0,45, 360							
XA1	C28/35, 0,55, 320							
XA2	C32/40, 0,50, 340							
XA3	C35/45, 0,45, 360							

50 anni

100 anni

$$c_{nom} = \max(c_{min,b}, c_{min,dur}) + 10 \ (mm) \geq 20 \ mm$$

$c_{min,b} = \phi\sqrt{n_b}$ n_b numero di barre di un eventuale gruppo di barre; per barra singola $n_b = 1$.

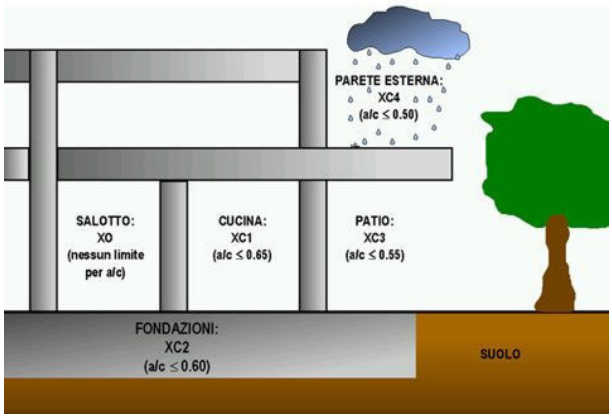


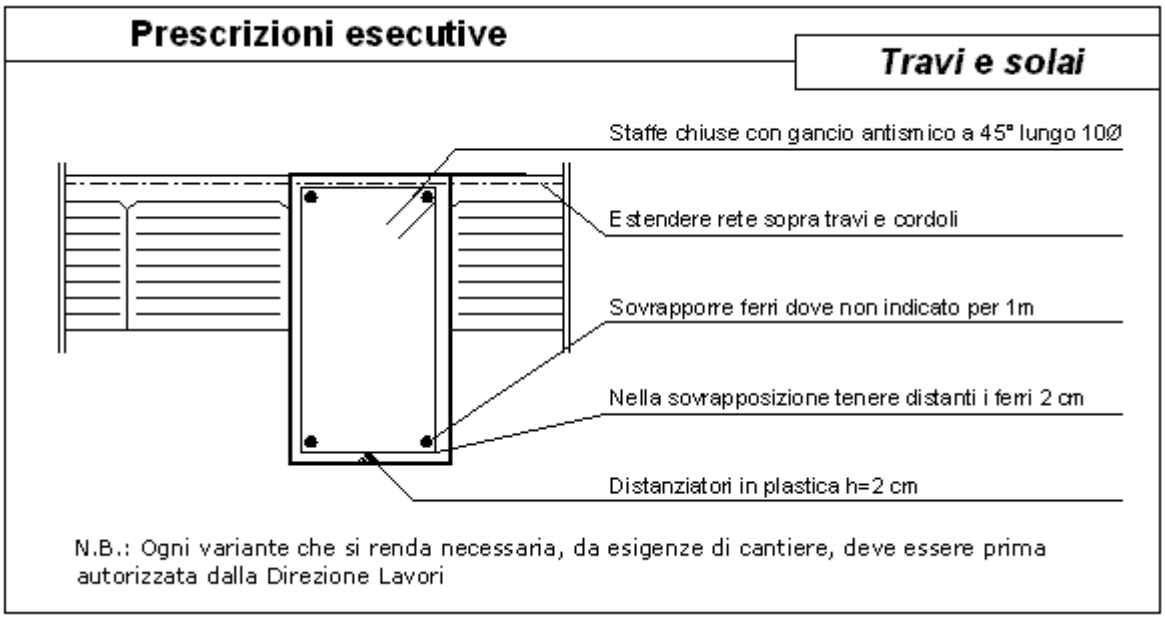
Altezze d e d'

DURABILITA'

1 Nessun rischio di corrosione o di attacco		
X0	Calcestruzzo privo di armatura o inserti metallici: tutte le esposizioni eccetto dove c'è gelo/disgelo, abrasione o attacco chimico. Calcestruzzo con armatura o inserti metallici molto asciutto.	Calcestruzzo all'interno di edifici con umidità dell'aria molto bassa.
2 Corrosione indotta da carbonatazione		
XC1	Asciutto o permanentemente bagnato	Calcestruzzo all'interno di edifici con bassa umidità relativa. Calcestruzzo costantemente immerso in acqua
XC2	Bagnato, raramente asciutto	Superfici di calcestruzzo a contatto con acqua per lungo tempo. Molte fondazioni
XC3	Umidità moderata	Calcestruzzo all'interno di edifici con umidità dell'aria moderata oppure elevata. Calcestruzzo esposto all'esterno protetto dalla pioggia
XC4	Ciclicamente bagnato e asciutto	Superfici di calcestruzzo soggette al contatto con acqua, non nella classe di esposizione XC2
3 Corrosione indotta da cloruri		
XD1	Umidità moderata	Superfici di calcestruzzo esposte a nebbia salina
XD2	Bagnato, raramente asciutto	Piscine. Calcestruzzo esposto ad acque industriali contenenti cloruri
XD3	Ciclicamente bagnato ed asciutto	Parti di ponti esposte a spruzzi contenenti cloruri Pavimentazioni stradali e di parcheggi

4 Corrosione indotta da cloruri presenti nell'acqua di mare		
XS1	Esposto a nebbia salina ma non in contatto diretto con acqua di mare	Strutture prossime oppure sulla costa
XS2	Permanentemente sommerso	Parti di strutture marine
XS3	Zone esposte alle onde, agli spruzzi oppure alle maree	Parti di strutture marine
5 Attacco di cicli gelo/disgelo		
XF1	Moderata saturazione d'acqua, senza impiego di agente antigelo	Superfici verticali di calcestruzzo esposte alla pioggia e al gelo
XF2	Moderata saturazione d'acqua, con uso di agente antigelo	Superfici verticali di calcestruzzo di strutture stradali esposte al gelo e nebbia di agenti antigelo
XF3	Elevata saturazione d'acqua, senza antigelo	Superfici orizzontali di calcestruzzo esposte alla pioggia e al gelo
XF4	Elevata saturazione d'acqua, con antigelo oppure acqua di mare	Strade e impalcati da ponte esposti agli agenti antigelo Superfici di calcestruzzo esposte direttamente a nebbia contenente agenti antigelo e al gelo
6. Attacco chimico		
XA1	Ambiente chimico debolmente aggressivo	Suoli naturali ed acqua del terreno
XA2	Ambiente chimico moderatamente aggressivo	Suoli naturali ed acqua del terreno
XA3	Ambiente chimico fortemente aggressivo	Suoli naturali ed acqua del terreno





- Sovrapporre i ferri nelle riprese per almeno 60 diametri ;
- Impiegare distanziatori in plastica o pasta di cemento per garantire un copriferro (misurato dall'esterno ferro e non dal baricentro ferro) di almeno cm 2,5 per le travi e cm 3 per i pilastri (a meno di prescrizioni superiori per esigenze di REI) ;
- Estendere la rete nella soletta dei solai fino all'esterno cordolo o travi ;
- Sovrapporre le reti di cui sopra per almeno cm 20 ;
- Ancorare i ferri aggiuntivi superiori dei solai all'esterno delle travi di bordo, curando di tenere il baricentro a circa 2.5 cm dal filo superiore del getto della caldana del solaio ;
- Nella giunzione per sovrapposizione dei ferri, non legare i due ferri fra loro, ma tenerli distanziati di almeno cm 2 (interferro).

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
3	***muratura***		
		Resist. Fk	resistenza caratteristica a compressione
		Resist. Fvko	resistenza caratteristica a taglio
4	***legno***		
		Resist. fc0k	Resistenza caratteristica (tensione amm. per REGLES) per compressione
		Resist. ft0k	Resistenza caratteristica (tensione amm. per REGLES) per trazione
		Resist. fmk	Resistenza caratteristica (tensione amm. per REGLES) per flessione
		Resist. fvk	Resistenza caratteristica (tensione amm. per REGLES) per taglio
		Modulo E0,05	Modulo elastico parallelo caratteristico
		Lamellare	lamellare o massiccio

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

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

Modellazione di strutture in c.a.

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

Modellazione di strutture in acciaio

Test N°	Titolo
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO

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

Modellazione di strutture in muratura

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

Modellazione di strutture in legno

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

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
3	Calcestruzzo Classe C28/35		3.260e+05	0.12	1.455e+05	2.50e-03	1.00e-05
	Rck	350.0					
	fctm	28.4					
10	acciaio Fe360 - S235		2.100e+06	0.30	8.077e+05	7.85e-03	1.00e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					
47	acciaio inf. rigi.		2.100e+09	0.30	8.077e+08	7.80e-03	1.00e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					

Aste acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Beta assegnato	0.80					
Verifica come controvento	No					
Usa condizioni I e II	Si					
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..

Pilastri acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
Metodo di calcolo 2-2	Assegnato					
2-2 Beta assegnato	2.00					
2-2 Beta * L assegnato [cm]	0.0					
Metodo di calcolo 3-3	Assegnato					
3-3 Beta assegnato	2.00					
3-3 Beta * L assegnato [cm]	0.0					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Effetti del 2 ordine	Si					
Momenti equivalenti	Si					
Usa condizioni I e II	Si					

Travi acc.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Lunghezze libere						
3-3 Beta * L automatico	Si					
3-3 Beta assegnato	1.00					
3-3 Beta assegnato [cm]	0.0					
2-2 Beta * L automatico	Si					
2-2 Beta assegnato	1.00					
2-2 Beta * L assegnato [cm]	0.0					
1-1 Beta * L automatico	Si					
1-1 Beta assegnato	1.00					
1-1 Beta * L assegnato [cm]	0.0					
Generalità						
Coefficiente gamma M0	1.05					
Coefficiente gamma M1	1.05					
Coefficiente gamma M2	1.25					
Luce di taglio per GR [cm]	1.00					
Usa condizioni I e II	Si					
Momenti equivalenti	Si					

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Composto con parete sismica					
Armatura						
Inclinazione Av [gradi]	90.00					
Angolo Av-Ao [gradi]	90.00					
Minima tesa	0.25					
Massima tesa	4.00					
Maglia unica centrale	Si					
Copriferro [cm]	3.00					
Maglia V						
diametro	5					
passo	20					
diametro aggiuntivi	8					
Maglia O						
diametro	5					
passo	20					
diametro aggiuntivi	8					
Stati limite ultimi						
Tensione fyk [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	No					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00					

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Parete sismica						
Fattore amplificazione taglio V	1.50					
Hcrit. par. 7.4.4.5.1 [cm]	0.0					
Hcrit. par. 7.4.6.1.4 [cm]	0.0					
Usa diagramma di fig. 7.4.2	Si					
Verifica come fascia	No					
Zona confinata						
Minima tesa	1.00					
Massima tesa	4.00					
Distanza barre [cm]	2.00					
Interferro	2					
Armatura inclinata						
Area barre [cm2]	0.0					
Angolo orizzontale [gradi]	0.0					
Distanza di base [cm]	0.0					
Resistenza al fuoco						
3- intradosso	No					
3+ estradosso	No					
Tempo di esposizione R	15					

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

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	No					
Af inf: da q*L*L /	0.0					
Armatura						
Minima tesa	0.31					
Minima compressa	0.31					
Massima tesa	0.78					

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Da sezione	Si					
Usa armatura teorica	No					
Stati limite ultimi						
Tensione fyk [daN/cm2]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di confidenza FC	0.0					
Verifiche con N costante	Si					
Fattore di ridistribuzione	0.0					
Modello per il confinamento						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm2]	97.50					
Tensione amm. acciaio [daN/cm2]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Staffe						
Diametro staffe	0.0					
Passo minimo [cm]	5.00					
Passo massimo [cm]	30.00					
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [cm]	1.00					
Adotta scorrimento medio	No					
Torsione non essenziale inclusa	Si					

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

Pilastri c.a.	**1/7/..**	**2/8/..**	**3/9/..**	**4/10/..**	**5/11/..**	**6/12/..**
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	45.00					
Ctg(Teta) Max	2.50					
Luce di taglio per GR [cm]	1.00					
Massimizza gerarchia	Si					

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

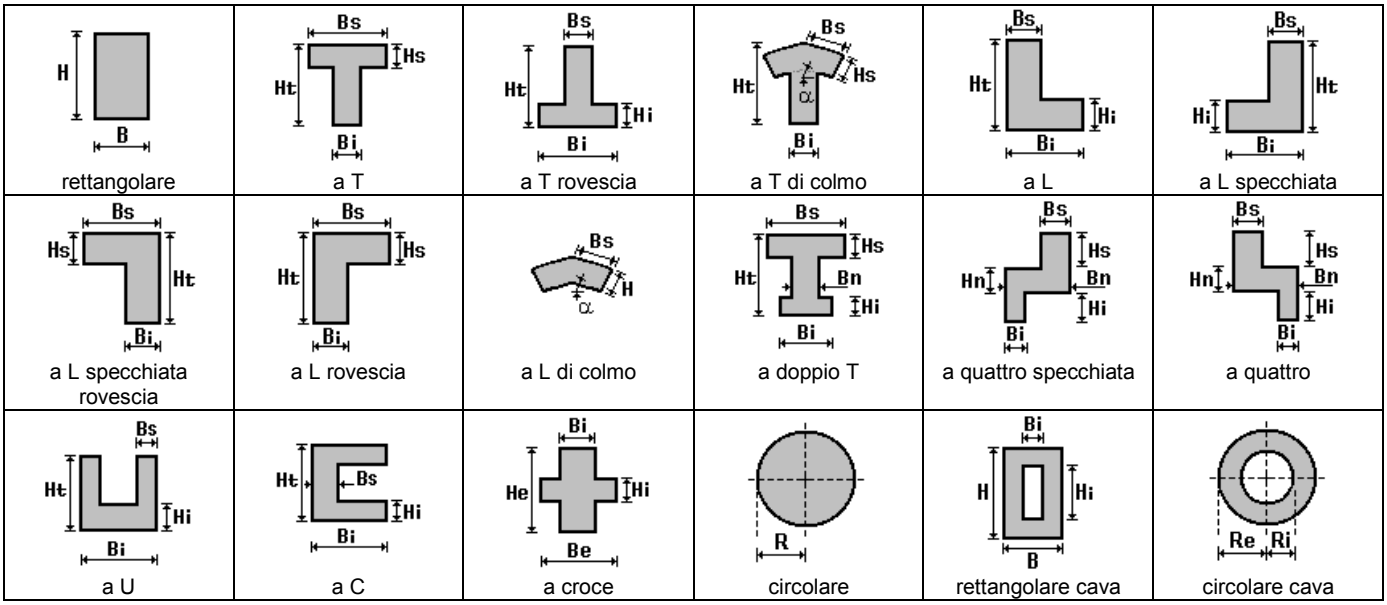
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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 soprariportati 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.



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 Maggio 2011, disponibile per il download sul sito **www.2si.it**, si segnalano i seguenti esempi applicativi:

Test N°	Titolo
1	CARATTERISTICHE GEOMETRICHE E INERZIALI
44	VERIFICA AGLI SLU DI STRUTTURE 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.
95	ANALISI DI RESISTENZA AL FUOCO

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Circolare: r=0.50	0.79	0.66	0.66	0.10	0.05	0.05	0.10	0.10	0.17	0.17

MODELLAZIONE STRUTTURA: NODI

LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.
Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).
Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

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

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

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

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

TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	55.0	50.0	52.0	2	110.0	50.0	52.0	3	55.0	50.0	2.0
4	110.0	50.0	27.0	5	55.0	50.0	54.0	6	0.0	0.0	52.0
7	55.0	25.0	52.0	8	110.0	25.0	52.0	9	110.0	0.0	52.0
10	0.0	25.0	2.0	12	55.0	25.0	2.0	14	110.0	0.0	2.0
15	0.0	25.0	52.0	16	110.0	25.0	2.0	17	0.0	50.0	52.0
18	0.0	0.0	2.0	22	0.0	25.0	27.0	23	0.0	0.0	27.0
24	110.0	50.0	2.0	25	55.0	0.0	27.0	27	55.0	0.0	52.0
28	0.0	50.0	2.0	29	0.0	0.0	54.0	30	55.0	0.0	54.0
31	110.0	0.0	54.0	32	0.0	50.0	54.0	33	110.0	50.0	54.0
34	55.0	0.0	2.0	35	110.0	0.0	27.0	36	0.0	50.0	27.0
37	55.0	50.0	27.0	38	0.0	25.0	54.0	39	110.0	25.0	54.0
40	55.0	25.0	54.0	42	55.0	175.0	2.0	43	0.0	225.0	2.0
45	55.0	100.0	52.0	46	110.0	100.0	52.0	47	55.0	100.0	2.0
48	110.0	100.0	27.0	49	55.0	100.0	54.0	50	0.0	175.0	52.0
51	55.0	75.0	52.0	52	110.0	75.0	52.0	53	110.0	175.0	2.0
54	0.0	75.0	2.0	56	55.0	75.0	2.0	57	0.0	200.0	52.0
58	55.0	225.0	2.0	59	0.0	75.0	52.0	60	110.0	75.0	2.0
61	0.0	100.0	52.0	62	0.0	250.0	27.0	63	55.0	250.0	27.0
66	0.0	75.0	27.0	67	0.0	175.0	27.0	68	110.0	100.0	2.0
69	0.0	225.0	52.0	71	0.0	100.0	2.0	72	110.0	200.0	2.0
73	110.0	225.0	2.0	75	0.0	100.0	54.0	76	110.0	100.0	54.0
77	0.0	200.0	2.0	78	0.0	250.0	52.0	79	0.0	100.0	27.0
80	55.0	100.0	27.0	81	0.0	75.0	54.0	82	110.0	75.0	54.0
83	55.0	75.0	54.0	84	0.0	225.0	54.0	85	0.0	250.0	54.0
86	0.0	200.0	54.0	87	110.0	200.0	54.0	88	55.0	150.0	52.0
89	110.0	150.0	52.0	90	55.0	150.0	2.0	91	110.0	150.0	27.0
92	55.0	150.0	54.0	93	110.0	250.0	54.0	94	55.0	125.0	52.0
95	110.0	125.0	52.0	97	0.0	125.0	2.0	99	55.0	125.0	2.0
100	0.0	200.0	27.0	101	55.0	200.0	27.0	102	0.0	125.0	52.0
103	110.0	125.0	2.0	104	0.0	150.0	52.0	105	0.0	175.0	54.0
106	110.0	175.0	54.0	107	55.0	175.0	54.0	109	0.0	125.0	27.0
110	0.0	225.0	27.0	111	110.0	150.0	2.0	112	110.0	225.0	54.0
114	0.0	150.0	2.0	115	110.0	250.0	2.0	116	55.0	225.0	54.0

117	55.0	250.0	52.0	118	0.0	150.0	54.0	119	110.0	150.0	54.0
120	110.0	250.0	52.0	121	55.0	250.0	2.0	122	0.0	150.0	27.0
123	55.0	150.0	27.0	124	0.0	125.0	54.0	125	110.0	125.0	54.0
126	55.0	125.0	54.0	127	110.0	250.0	27.0	128	55.0	250.0	54.0
130	55.0	225.0	52.0	131	55.0	200.0	52.0	132	110.0	200.0	52.0
133	55.0	200.0	2.0	134	110.0	200.0	27.0	135	55.0	200.0	54.0
136	110.0	225.0	52.0	137	55.0	175.0	52.0	138	110.0	175.0	52.0
139	0.0	250.0	2.0	140	0.0	175.0	2.0	141	55.0	50.0	104.0
142	110.0	50.0	104.0	143	110.0	100.0	312.0	144	110.0	50.0	79.0
145	55.0	50.0	106.0	146	0.0	0.0	104.0	147	55.0	25.0	104.0
148	110.0	25.0	104.0	149	110.0	0.0	104.0	150	0.0	200.0	260.0
151	55.0	150.0	287.0	152	0.0	75.0	260.0	153	0.0	25.0	104.0
154	110.0	100.0	287.0	155	0.0	50.0	104.0	156	0.0	100.0	260.0
157	0.0	25.0	79.0	158	0.0	0.0	79.0	159	0.0	250.0	235.0
160	55.0	0.0	79.0	161	55.0	0.0	104.0	162	55.0	250.0	235.0
163	0.0	0.0	106.0	164	55.0	0.0	106.0	165	110.0	0.0	106.0
166	0.0	50.0	106.0	167	110.0	50.0	106.0	168	0.0	75.0	235.0
169	110.0	0.0	79.0	170	0.0	50.0	79.0	171	55.0	50.0	79.0
172	0.0	25.0	106.0	173	110.0	25.0	106.0	174	55.0	25.0	106.0
175	0.0	175.0	235.0	176	110.0	225.0	312.0	177	55.0	100.0	104.0
178	110.0	100.0	104.0	179	0.0	225.0	260.0	180	110.0	100.0	79.0
181	55.0	100.0	106.0	182	0.0	175.0	104.0	183	55.0	75.0	104.0
184	110.0	75.0	104.0	185	0.0	175.0	312.0	186	55.0	75.0	312.0
187	110.0	75.0	312.0	188	0.0	200.0	104.0	189	0.0	100.0	262.0
190	0.0	75.0	104.0	191	110.0	100.0	262.0	192	0.0	100.0	104.0
193	0.0	250.0	79.0	194	55.0	250.0	79.0	195	0.0	75.0	79.0
196	0.0	175.0	79.0	197	55.0	175.0	312.0	198	0.0	225.0	104.0
199	0.0	250.0	260.0	200	0.0	100.0	235.0	201	55.0	100.0	235.0
202	0.0	100.0	106.0	203	110.0	100.0	106.0	204	0.0	75.0	262.0
205	0.0	250.0	104.0	206	0.0	100.0	79.0	207	55.0	100.0	79.0
208	0.0	75.0	106.0	209	110.0	75.0	106.0	210	55.0	75.0	106.0
211	0.0	225.0	106.0	212	0.0	250.0	106.0	213	0.0	200.0	106.0
214	110.0	200.0	106.0	215	55.0	150.0	104.0	216	110.0	150.0	104.0
217	110.0	75.0	262.0	218	110.0	150.0	79.0	219	55.0	150.0	106.0
220	110.0	250.0	106.0	221	55.0	125.0	104.0	222	110.0	125.0	104.0
223	55.0	75.0	262.0	224	0.0	225.0	262.0	225	0.0	200.0	79.0
226	55.0	200.0	79.0	227	0.0	125.0	104.0	228	0.0	250.0	262.0
229	0.0	150.0	104.0	230	0.0	175.0	106.0	231	110.0	175.0	106.0
232	55.0	175.0	106.0	233	0.0	125.0	79.0	234	0.0	225.0	79.0
235	0.0	200.0	262.0	236	110.0	225.0	106.0	237	110.0	200.0	262.0
238	55.0	150.0	260.0	239	55.0	225.0	106.0	240	55.0	250.0	104.0
241	0.0	150.0	106.0	242	110.0	150.0	106.0	243	110.0	250.0	104.0
244	110.0	150.0	260.0	245	0.0	150.0	79.0	246	55.0	150.0	79.0
247	0.0	125.0	106.0	248	110.0	125.0	106.0	249	55.0	125.0	106.0
250	110.0	250.0	79.0	251	55.0	250.0	106.0	252	55.0	225.0	104.0
253	55.0	200.0	104.0	254	110.0	200.0	104.0	255	55.0	150.0	312.0
256	110.0	200.0	79.0	257	55.0	200.0	106.0	258	110.0	225.0	104.0
259	55.0	175.0	104.0	260	110.0	175.0	104.0	261	110.0	150.0	235.0
262	55.0	150.0	262.0	263	55.0	50.0	156.0	264	110.0	50.0	156.0
265	110.0	250.0	262.0	266	110.0	50.0	131.0	267	55.0	50.0	158.0
268	0.0	0.0	156.0	269	55.0	25.0	156.0	270	110.0	25.0	156.0
271	110.0	0.0	156.0	272	55.0	125.0	260.0	273	110.0	125.0	260.0
274	110.0	150.0	312.0	275	0.0	25.0	156.0	276	0.0	200.0	312.0
277	0.0	50.0	156.0	278	0.0	200.0	235.0	279	0.0	25.0	131.0
280	0.0	0.0	131.0	281	55.0	200.0	235.0	282	55.0	0.0	131.0
283	55.0	0.0	156.0	284	0.0	125.0	260.0	285	0.0	0.0	158.0
286	55.0	0.0	158.0	287	110.0	0.0	158.0	288	0.0	50.0	158.0
289	110.0	50.0	158.0	290	55.0	200.0	287.0	291	110.0	0.0	131.0
292	0.0	50.0	131.0	293	55.0	50.0	131.0	294	0.0	25.0	158.0
295	110.0	25.0	158.0	296	55.0	25.0	158.0	297	0.0	150.0	260.0
298	0.0	175.0	262.0	299	55.0	100.0	156.0	300	110.0	100.0	156.0
301	110.0	175.0	262.0	302	110.0	100.0	131.0	303	55.0	100.0	158.0
304	0.0	175.0	156.0	305	55.0	75.0	156.0	306	110.0	75.0	156.0
307	55.0	175.0	262.0	308	0.0	125.0	235.0	309	0.0	225.0	235.0
310	0.0	200.0	156.0	311	0.0	75.0	312.0	312	0.0	75.0	156.0
313	110.0	225.0	262.0	314	0.0	100.0	156.0	315	0.0	250.0	131.0
316	55.0	250.0	131.0	317	0.0	75.0	131.0	318	0.0	175.0	131.0
319	110.0	150.0	287.0	320	0.0	225.0	156.0	321	0.0	100.0	312.0
322	55.0	225.0	262.0	323	55.0	250.0	260.0	324	0.0	100.0	158.0
325	110.0	100.0	158.0	326	0.0	150.0	262.0	327	0.0	250.0	156.0
328	0.0	100.0	131.0	329	55.0	100.0	131.0	330	0.0	75.0	158.0
331	110.0	75.0	158.0	332	55.0	75.0	158.0	333	0.0	225.0	158.0
334	0.0	250.0	158.0	335	0.0	200.0	158.0	336	110.0	200.0	158.0
337	55.0	150.0	156.0	338	110.0	150.0	156.0	339	110.0	150.0	262.0
340	110.0	150.0	131.0	341	55.0	150.0	158.0	342	110.0	250.0	158.0
343	55.0	125.0	156.0	344	110.0	125.0	156.0	345	110.0	250.0	260.0

346	0.0	250.0	287.0	347	0.0	200.0	131.0	348	55.0	200.0	131.0
349	0.0	125.0	156.0	350	0.0	150.0	235.0	351	0.0	150.0	156.0
352	0.0	175.0	158.0	353	110.0	175.0	158.0	354	55.0	175.0	158.0
355	0.0	125.0	131.0	356	0.0	225.0	131.0	357	55.0	150.0	235.0
358	110.0	225.0	158.0	359	0.0	125.0	262.0	360	110.0	125.0	262.0
361	55.0	225.0	158.0	362	55.0	250.0	156.0	363	0.0	150.0	158.0
364	110.0	150.0	158.0	365	110.0	250.0	156.0	366	55.0	125.0	262.0
367	0.0	150.0	131.0	368	55.0	150.0	131.0	369	0.0	125.0	158.0
370	110.0	125.0	158.0	371	55.0	125.0	158.0	372	110.0	250.0	131.0
373	55.0	250.0	158.0	374	55.0	225.0	156.0	375	55.0	200.0	156.0
376	110.0	200.0	156.0	377	110.0	250.0	235.0	378	110.0	200.0	131.0
379	55.0	200.0	158.0	380	110.0	225.0	156.0	381	55.0	175.0	156.0
382	110.0	175.0	156.0	383	55.0	250.0	262.0	384	55.0	225.0	260.0
385	55.0	50.0	208.0	386	110.0	50.0	208.0	387	55.0	200.0	260.0
388	110.0	50.0	183.0	389	55.0	50.0	210.0	390	0.0	0.0	208.0
391	55.0	25.0	208.0	392	110.0	25.0	208.0	393	110.0	0.0	208.0
394	110.0	200.0	260.0	395	55.0	250.0	287.0	396	110.0	200.0	235.0
397	0.0	25.0	208.0	398	55.0	200.0	262.0	399	0.0	50.0	208.0
400	110.0	225.0	260.0	401	0.0	25.0	183.0	402	0.0	0.0	183.0
403	55.0	175.0	260.0	404	55.0	0.0	183.0	405	55.0	0.0	208.0
406	110.0	175.0	260.0	407	0.0	0.0	210.0	408	55.0	0.0	210.0
409	110.0	0.0	210.0	410	0.0	50.0	210.0	411	110.0	50.0	210.0
412	0.0	75.0	287.0	413	110.0	0.0	183.0	414	0.0	50.0	183.0
415	55.0	50.0	183.0	416	0.0	25.0	210.0	417	110.0	25.0	210.0
418	55.0	25.0	210.0	419	0.0	175.0	287.0	420	55.0	50.0	312.0
421	55.0	100.0	208.0	422	110.0	100.0	208.0	423	110.0	50.0	312.0
424	110.0	100.0	183.0	425	55.0	100.0	210.0	426	0.0	175.0	208.0
427	55.0	75.0	208.0	428	110.0	75.0	208.0	429	110.0	175.0	312.0
430	110.0	50.0	287.0	431	0.0	225.0	312.0	432	0.0	200.0	208.0
433	0.0	0.0	312.0	434	0.0	75.0	208.0	435	55.0	25.0	312.0
436	0.0	100.0	208.0	437	0.0	250.0	183.0	438	55.0	250.0	183.0
439	0.0	75.0	183.0	440	0.0	175.0	183.0	441	110.0	25.0	312.0
442	0.0	225.0	208.0	443	110.0	0.0	312.0	444	110.0	250.0	287.0
445	55.0	125.0	312.0	446	0.0	100.0	210.0	447	110.0	100.0	210.0
448	110.0	125.0	312.0	449	0.0	250.0	208.0	450	0.0	100.0	183.0
451	55.0	100.0	183.0	452	0.0	75.0	210.0	453	110.0	75.0	210.0
454	55.0	75.0	210.0	455	0.0	225.0	210.0	456	0.0	250.0	210.0
457	0.0	200.0	210.0	458	110.0	200.0	210.0	459	55.0	150.0	208.0
460	110.0	150.0	208.0	461	0.0	25.0	312.0	462	110.0	150.0	183.0
463	55.0	150.0	210.0	464	110.0	250.0	210.0	465	55.0	125.0	208.0
466	110.0	125.0	208.0	467	55.0	250.0	312.0	468	0.0	50.0	312.0
469	0.0	200.0	183.0	470	55.0	200.0	183.0	471	0.0	125.0	208.0
472	110.0	200.0	287.0	473	0.0	150.0	208.0	474	0.0	175.0	210.0
475	110.0	175.0	210.0	476	55.0	175.0	210.0	477	0.0	125.0	183.0
478	0.0	225.0	183.0	479	0.0	25.0	287.0	480	110.0	225.0	210.0
481	0.0	0.0	287.0	482	0.0	125.0	312.0	483	55.0	225.0	210.0
484	55.0	250.0	208.0	485	0.0	150.0	210.0	486	110.0	150.0	210.0
487	110.0	250.0	208.0	488	55.0	0.0	287.0	489	0.0	150.0	183.0
490	55.0	150.0	183.0	491	0.0	125.0	210.0	492	110.0	125.0	210.0
493	55.0	125.0	210.0	494	110.0	250.0	183.0	495	55.0	250.0	210.0
496	55.0	225.0	208.0	497	55.0	200.0	208.0	498	110.0	200.0	208.0
499	55.0	0.0	312.0	500	110.0	200.0	183.0	501	55.0	200.0	210.0
502	110.0	225.0	208.0	503	55.0	175.0	208.0	504	110.0	175.0	208.0
505	0.0	250.0	312.0	506	55.0	225.0	312.0	507	55.0	50.0	260.0
508	110.0	50.0	260.0	509	55.0	200.0	312.0	510	110.0	50.0	235.0
511	55.0	50.0	262.0	512	0.0	0.0	260.0	513	55.0	25.0	260.0
514	110.0	25.0	260.0	515	110.0	0.0	260.0	516	0.0	125.0	287.0
517	0.0	225.0	287.0	518	0.0	100.0	287.0	519	0.0	25.0	260.0
520	55.0	100.0	287.0	521	0.0	50.0	260.0	522	110.0	0.0	287.0
523	0.0	25.0	235.0	524	0.0	0.0	235.0	525	0.0	50.0	287.0
526	55.0	0.0	235.0	527	55.0	0.0	260.0	528	55.0	50.0	287.0
529	0.0	0.0	262.0	530	55.0	0.0	262.0	531	110.0	0.0	262.0
532	0.0	50.0	262.0	533	110.0	50.0	262.0	534	110.0	200.0	312.0
535	110.0	0.0	235.0	536	0.0	50.0	235.0	537	55.0	50.0	235.0
538	0.0	25.0	262.0	539	110.0	25.0	262.0	540	55.0	25.0	262.0
541	0.0	150.0	312.0	542	110.0	250.0	312.0	543	55.0	100.0	260.0
544	110.0	100.0	260.0	545	0.0	200.0	287.0	546	110.0	100.0	235.0
547	55.0	100.0	262.0	548	0.0	175.0	260.0	549	55.0	75.0	260.0
550	110.0	75.0	260.0	551	0.0	150.0	287.0	552	55.0	100.0	312.0

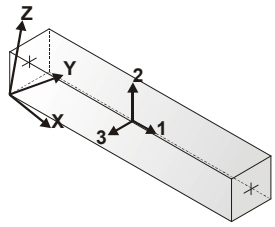
Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
11	55.0	50.0	0.0	v=111111						
13	110.0	0.0	0.0	v=111111						

19	0.0	0.0	0.0	v=111111
20	55.0	0.0	0.0	v=111111
21	110.0	50.0	0.0	v=111111
26	0.0	50.0	0.0	v=111111
41	55.0	200.0	0.0	v=111111
44	55.0	250.0	0.0	v=111111
55	55.0	100.0	0.0	v=111111
64	110.0	200.0	0.0	v=111111
65	110.0	100.0	0.0	v=111111
70	0.0	100.0	0.0	v=111111
74	0.0	200.0	0.0	v=111111
96	110.0	250.0	0.0	v=111111
98	55.0	150.0	0.0	v=111111
108	110.0	150.0	0.0	v=111111
113	0.0	150.0	0.0	v=111111
129	0.0	250.0	0.0	v=111111

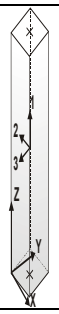
MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

TABELLA DATI TRAVI

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



orientamento elementi 2D non verticali



orientamento elementi 2D verticali

In particolare per ogni elemento viene indicato in tabella:

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

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
2	TRAVI A UNA CAMPATA
3	TRAVE A PIU' CAMPATE
4	TRAVE A UNA CAMPATA SU TERRENO ALLA WINKLER
5	TRAVI SU TERRENO ALLA WINKLER CON CARICO TRASVERSALE
6	TELAI PIANI CON CERNIERE ALLA BASE
7	TELAI PIANI CON INCASTRI ALLA BASE
11	STRUTTURE SOGGETTE A VARIAZIONI TERMICHE
12	STRUTTURE SU TERRENO ALLA WINKLER SOTTOPOSTE A CARICHI DISTRIBUITI TRIANGOLARI
21	DRILLING
24	TENSIONI E ROTAZIONI RISPETTO ALLA CORDA DI ELEMENTI TRAVE
27	FRECCIA DI ELEMENTI TRAVE
41	GERARCHIA DELLE RESISTENZE PER TRAVI IN C.A.
42	GERARCHIA DELLE RESISTENZE PER PILASTRI IN C.A.
43	VERIFICA ALLE TA DI STRUTTURE IN C.A.
44	VERIFICA AGLI SLU DI STRUTTURE IN C.A.
46	VERIFICA A PUNZONAMENTO ALLO SLU DI TRAVI IN C.A.
47	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 9/1/96
48	PROGETTAZIONE A TAGLIO DI STRUTTURE IN C.A. SECONDO IL D.M. 14/1/2008
49	VERIFICA ALLO SLE (TENSIONI E FESSURAZIONE) DI STRUTTURE IN C.A.
50	VERIFICA ALLO SLE (DEFORMAZIONE) DI STRUTTURE IN C.A.
51	FATTORE DI STRUTTURA
52	SOVRARESISTENZE

53	DETTAGLI COSTRUTTIVI C.A.: LIMITI D'ARMATURA PILASTRI E NODI TRAVE-PILASTRO
55	VERIFICA DI STABILITA' DI ASTE COMPRESSE IN ACCIAIO – METODO OMEGA
56	LUCE LIBERA DI TRAVI E ASTE IN ACCIAIO
57	LUCE LIBERA DI COLONNE IN ACCIAIO
58	SVERGOLAMENTO DI TRAVI IN ACCIAIO
63	STABILITA' DI ASTE COMPOSTE IN ACCIAIO
68	VALUTAZIONE EFFETTO P-δ SU PILASTRATA
69	VALUTAZIONE EFFETTO P-δ SU TELAIO 3D
80	ANALISI PUSHOVER DI UN EDIFICIO IN C.A.
82	ANALISI ELASTO PLASTICA INCREMENTALE
83	ANALISI ELASTO PLASTICA INCREMENTALE
89	VERIFICA ALLO SLU DI STRUTTURE IN LEGNO SECONDO EC5
90	VERIFICA ALLO SLE DI STRUTTURE IN LEGNO SECONDO EC5
93	SNELLEZZE EC5
120	PROGETTO E VERIFICA DI TRAVI PREM

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Asta comp.	19	18	47	1					
2	Asta comp.	6	29	47	1					
3	Asta comp.	13	14	47	1					
4	Asta comp.	9	31	47	1					
5	Asta comp.	26	28	47	1					
6	Asta comp.	17	32	47	1					
7	Asta comp.	21	24	47	1					
8	Asta comp.	2	33	47	1					
9	Asta comp.	15	38	47	1					
10	Asta comp.	8	39	47	1					
11	Asta comp.	7	40	47	1					
12	Asta comp.	120	93	47	1					
13	Asta comp.	69	84	47	1					
14	Asta comp.	136	112	47	1					
15	Asta comp.	130	116	47	1					
16	Asta comp.	70	71	47	1					
17	Asta comp.	61	75	47	1					
18	Asta comp.	65	68	47	1					
19	Asta comp.	46	76	47	1					
20	Asta comp.	59	81	47	1					
21	Asta comp.	52	82	47	1					
22	Asta comp.	51	83	47	1					
23	Asta comp.	113	114	47	1					
24	Asta comp.	104	118	47	1					
25	Asta comp.	108	111	47	1					
26	Asta comp.	89	119	47	1					
27	Asta comp.	102	124	47	1					
28	Asta comp.	95	125	47	1					

29	Asta comp.	94	126	47	1
30	Asta comp.	74	77	47	1
31	Asta comp.	57	86	47	1
32	Asta comp.	64	72	47	1
33	Asta comp.	132	87	47	1
34	Asta comp.	50	105	47	1
35	Asta comp.	138	106	47	1
36	Asta comp.	137	107	47	1
37	Asta comp.	129	139	47	1
38	Asta comp.	78	85	47	1
39	Asta comp.	96	115	47	1
40	Asta comp.	146	163	47	1
41	Asta comp.	149	165	47	1
42	Asta comp.	155	166	47	1
43	Asta comp.	142	167	47	1
44	Asta comp.	153	172	47	1
45	Asta comp.	148	173	47	1
46	Asta comp.	147	174	47	1
47	Asta comp.	243	220	47	1
48	Asta comp.	198	211	47	1
49	Asta comp.	258	236	47	1
50	Asta comp.	252	239	47	1
51	Asta comp.	192	202	47	1
52	Asta comp.	178	203	47	1
53	Asta comp.	190	208	47	1
54	Asta comp.	184	209	47	1
55	Asta comp.	183	210	47	1
56	Asta comp.	229	241	47	1
57	Asta comp.	216	242	47	1
58	Asta comp.	227	247	47	1
59	Asta comp.	222	248	47	1
60	Asta comp.	221	249	47	1
61	Asta comp.	188	213	47	1
62	Asta comp.	254	214	47	1
63	Asta comp.	182	230	47	1
64	Asta comp.	260	231	47	1
65	Asta comp.	259	232	47	1
66	Asta comp.	205	212	47	1
67	Asta comp.	268	285	47	1
68	Asta comp.	271	287	47	1
69	Asta comp.	277	288	47	1
70	Asta comp.	264	289	47	1
71	Asta comp.	275	294	47	1
72	Asta comp.	270	295	47	1
73	Asta comp.	269	296	47	1
74	Asta comp.	365	342	47	1
75	Asta comp.	320	333	47	1
76	Asta comp.	380	358	47	1
77	Asta comp.	374	361	47	1
78	Asta comp.	314	324	47	1
79	Asta comp.	300	325	47	1
80	Asta comp.	312	330	47	1
81	Asta comp.	306	331	47	1
82	Asta comp.	305	332	47	1
83	Asta comp.	351	363	47	1
84	Asta comp.	338	364	47	1
85	Asta comp.	349	369	47	1
86	Asta comp.	344	370	47	1
87	Asta comp.	343	371	47	1
88	Asta comp.	310	335	47	1
89	Asta comp.	376	336	47	1
90	Asta comp.	304	352	47	1
91	Asta comp.	382	353	47	1
92	Asta comp.	381	354	47	1
93	Asta comp.	327	334	47	1
94	Asta comp.	390	407	47	1
95	Asta comp.	393	409	47	1
96	Asta comp.	399	410	47	1
97	Asta comp.	386	411	47	1
98	Asta comp.	397	416	47	1
99	Asta comp.	392	417	47	1
100	Asta comp.	391	418	47	1
101	Asta comp.	487	464	47	1
102	Asta comp.	442	455	47	1
103	Asta comp.	502	480	47	1
104	Asta comp.	496	483	47	1

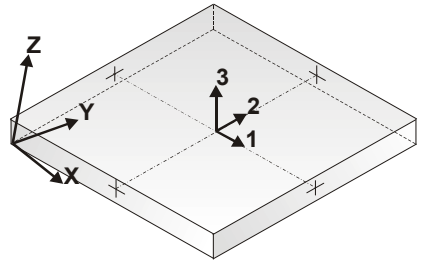
105	Asta comp.	436	446	47	1
106	Asta comp.	422	447	47	1
107	Asta comp.	434	452	47	1
108	Asta comp.	428	453	47	1
109	Asta comp.	427	454	47	1
110	Asta comp.	473	485	47	1
111	Asta comp.	460	486	47	1
112	Asta comp.	471	491	47	1
113	Asta comp.	466	492	47	1
114	Asta comp.	465	493	47	1
115	Asta comp.	432	457	47	1
116	Asta comp.	498	458	47	1
117	Asta comp.	426	474	47	1
118	Asta comp.	504	475	47	1
119	Asta comp.	503	476	47	1
120	Asta comp.	449	456	47	1
121	Asta comp.	512	529	47	1
122	Asta comp.	515	531	47	1
123	Asta comp.	521	532	47	1
124	Asta comp.	508	533	47	1
125	Asta comp.	519	538	47	1
126	Asta comp.	514	539	47	1
127	Asta comp.	513	540	47	1
128	Asta comp.	345	265	47	1
129	Asta comp.	179	224	47	1
130	Asta comp.	400	313	47	1
131	Asta comp.	384	322	47	1
132	Asta comp.	156	189	47	1
133	Asta comp.	544	191	47	1
134	Asta comp.	152	204	47	1
135	Asta comp.	550	217	47	1
136	Asta comp.	549	223	47	1
137	Asta comp.	297	326	47	1
138	Asta comp.	244	339	47	1
139	Asta comp.	284	359	47	1
140	Asta comp.	273	360	47	1
141	Asta comp.	272	366	47	1
142	Asta comp.	150	235	47	1
143	Asta comp.	394	237	47	1
144	Asta comp.	548	298	47	1
145	Asta comp.	406	301	47	1
146	Asta comp.	403	307	47	1
147	Asta comp.	199	228	47	1
148	Asta comp.	55	47	10	1
149	Asta comp.	11	3	10	1
150	Asta comp.	41	133	10	1
151	Asta comp.	98	90	10	1
152	Pilas.	141	145	10	1
153	Pilas.	240	251	10	1
154	Pilas.	177	181	10	1
155	Pilas.	253	257	10	1
156	Pilas.	215	219	10	1
157	Pilas.	421	425	10	1
158	Pilas.	1	5	10	1
159	Pilas.	117	128	10	1
160	Pilas.	45	49	10	1
161	Pilas.	497	501	10	1
162	Pilas.	20	34	10	1
163	Pilas.	44	121	10	1
164	Pilas.	131	135	10	1
165	Pilas.	88	92	10	1
166	Pilas.	283	286	10	1
167	Pilas.	263	267	10	1
168	Pilas.	362	373	10	1
169	Pilas.	299	303	10	1
170	Pilas.	375	379	10	1
171	Pilas.	337	341	10	1
172	Pilas.	27	30	10	1
173	Pilas.	459	463	10	1
174	Pilas.	161	164	10	1
175	Pilas.	405	408	10	1
176	Pilas.	385	389	10	1
177	Pilas.	484	495	10	1
178	Pilas.	527	530	10	1
179	Pilas.	507	511	10	1
180	Pilas.	323	383	10	1

181	Pilas.	543	547	10	1
182	Pilas.	387	398	10	1
183	Pilas.	238	262	10	1

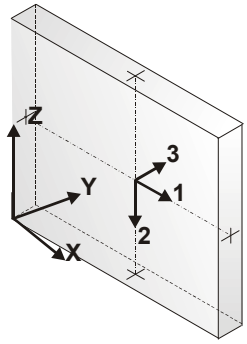
MODELLAZIONE STRUTTURA: ELEMENTI SHELL

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1	Setto	25	35	14	34	3	5.0		
2	Setto	36	37	3	28	3	6.5		
3	Setto	1	2	4	37	3	5.0		
4	Setto	37	4	24	3	3	5.0		

5	Setto	17	1	37	36	3	6.5
6	Guscio	18	34	12	10	3	6.5
7	Guscio	15	7	1	17	3	6.5
8	Guscio	27	9	8	7	3	5.0
9	Guscio	7	8	2	1	3	5.0
10	Setto	23	22	15	6	3	6.5
11	Setto	10	28	36	22	3	6.5
12	Setto	22	36	17	15	3	6.5
13	Setto	23	25	34	18	3	6.5
14	Setto	18	10	22	23	3	6.5
15	Guscio	10	12	3	28	3	6.5
16	Guscio	34	14	16	12	3	5.0
17	Guscio	12	16	24	3	3	5.0
18	Setto	6	27	25	23	3	6.5
19	Setto	27	9	35	25	3	5.0
20	Guscio	6	27	7	15	3	6.5
21	Setto	78	117	63	62	3	6.5
22	Setto	79	80	47	71	3	6.5
23	Setto	45	46	48	80	3	5.0
24	Setto	80	48	68	47	3	5.0
25	Setto	61	45	80	79	3	6.5
26	Guscio	28	3	56	54	3	6.5
27	Guscio	59	51	45	61	3	6.5
28	Guscio	1	2	52	51	3	5.0
29	Guscio	51	52	46	45	3	5.0
30	Setto	36	66	59	17	3	6.5
31	Setto	54	71	79	66	3	6.5
32	Setto	66	79	61	59	3	6.5
33	Guscio	77	133	58	43	3	6.5
34	Setto	28	54	66	36	3	6.5
35	Guscio	54	56	47	71	3	6.5
36	Guscio	3	24	60	56	3	5.0
37	Guscio	56	60	68	47	3	5.0
38	Guscio	69	130	117	78	3	6.5
39	Guscio	131	132	136	130	3	5.0
40	Guscio	17	1	51	59	3	6.5
41	Guscio	130	136	120	117	3	5.0
42	Setto	122	123	90	114	3	6.5
43	Setto	88	89	91	123	3	5.0
44	Setto	123	91	111	90	3	5.0
45	Setto	104	88	123	122	3	6.5
46	Guscio	71	47	99	97	3	6.5
47	Guscio	102	94	88	104	3	6.5
48	Guscio	45	46	95	94	3	5.0
49	Guscio	94	95	89	88	3	5.0
50	Setto	79	109	102	61	3	6.5
51	Setto	97	114	122	109	3	6.5
52	Setto	109	122	104	102	3	6.5
53	Setto	100	110	69	57	3	6.5
54	Setto	71	97	109	79	3	6.5
55	Guscio	97	99	90	114	3	6.5
56	Guscio	47	68	103	99	3	5.0
57	Guscio	99	103	111	90	3	5.0
58	Setto	43	139	62	110	3	6.5
59	Setto	110	62	78	69	3	6.5
60	Guscio	61	45	94	102	3	6.5
61	Guscio	57	131	130	69	3	6.5
62	Setto	100	101	133	77	3	6.5
63	Setto	131	132	134	101	3	5.0
64	Setto	101	134	72	133	3	5.0
65	Setto	57	131	101	100	3	6.5
66	Guscio	114	90	42	140	3	6.5
67	Guscio	50	137	131	57	3	6.5
68	Guscio	88	89	138	137	3	5.0
69	Guscio	137	138	132	131	3	5.0
70	Setto	122	67	50	104	3	6.5
71	Setto	140	77	100	67	3	6.5
72	Setto	67	100	57	50	3	6.5
73	Setto	77	43	110	100	3	6.5
74	Setto	114	140	67	122	3	6.5
75	Guscio	140	42	133	77	3	6.5
76	Guscio	90	111	53	42	3	5.0
77	Guscio	42	53	72	133	3	5.0
78	Guscio	43	58	121	139	3	6.5
79	Guscio	133	72	73	58	3	5.0
80	Guscio	104	88	137	50	3	6.5

81	Guscio	58	73	115	121	3	5.0
82	Setto	62	63	121	139	3	6.5
83	Setto	117	120	127	63	3	5.0
84	Setto	63	127	115	121	3	5.0
85	Setto	160	169	31	30	3	5.0
86	Setto	170	171	5	32	3	6.5
87	Setto	141	142	144	171	3	5.0
88	Setto	171	144	33	5	3	5.0
89	Setto	155	141	171	170	3	6.5
90	Guscio	29	30	40	38	3	6.5
91	Guscio	153	147	141	155	3	6.5
92	Guscio	161	149	148	147	3	5.0
93	Guscio	147	148	142	141	3	5.0
94	Setto	158	157	153	146	3	6.5
95	Setto	38	32	170	157	3	6.5
96	Setto	157	170	155	153	3	6.5
97	Setto	158	160	30	29	3	6.5
98	Setto	29	38	157	158	3	6.5
99	Guscio	38	40	5	32	3	6.5
100	Guscio	30	31	39	40	3	5.0
101	Guscio	40	39	33	5	3	5.0
102	Setto	146	161	160	158	3	6.5
103	Setto	161	149	169	160	3	5.0
104	Guscio	146	161	147	153	3	6.5
105	Setto	205	240	194	193	3	6.5
106	Setto	206	207	49	75	3	6.5
107	Setto	177	178	180	207	3	5.0
108	Setto	207	180	76	49	3	5.0
109	Setto	192	177	207	206	3	6.5
110	Guscio	32	5	83	81	3	6.5
111	Guscio	190	183	177	192	3	6.5
112	Guscio	141	142	184	183	3	5.0
113	Guscio	183	184	178	177	3	5.0
114	Setto	170	195	190	155	3	6.5
115	Setto	81	75	206	195	3	6.5
116	Setto	195	206	192	190	3	6.5
117	Guscio	86	135	116	84	3	6.5
118	Setto	32	81	195	170	3	6.5
119	Guscio	81	83	49	75	3	6.5
120	Guscio	5	33	82	83	3	5.0
121	Guscio	83	82	76	49	3	5.0
122	Guscio	198	252	240	205	3	6.5
123	Guscio	253	254	258	252	3	5.0
124	Guscio	155	141	183	190	3	6.5
125	Guscio	252	258	243	240	3	5.0
126	Setto	245	246	92	118	3	6.5
127	Setto	215	216	218	246	3	5.0
128	Setto	246	218	119	92	3	5.0
129	Setto	229	215	246	245	3	6.5
130	Guscio	75	49	126	124	3	6.5
131	Guscio	227	221	215	229	3	6.5
132	Guscio	177	178	222	221	3	5.0
133	Guscio	221	222	216	215	3	5.0
134	Setto	206	233	227	192	3	6.5
135	Setto	124	118	245	233	3	6.5
136	Setto	233	245	229	227	3	6.5
137	Setto	225	234	198	188	3	6.5
138	Setto	75	124	233	206	3	6.5
139	Guscio	124	126	92	118	3	6.5
140	Guscio	49	76	125	126	3	5.0
141	Guscio	126	125	119	92	3	5.0
142	Setto	84	85	193	234	3	6.5
143	Setto	234	193	205	198	3	6.5
144	Guscio	192	177	221	227	3	6.5
145	Guscio	188	253	252	198	3	6.5
146	Setto	225	226	135	86	3	6.5
147	Setto	253	254	256	226	3	5.0
148	Setto	226	256	87	135	3	5.0
149	Setto	188	253	226	225	3	6.5
150	Guscio	118	92	107	105	3	6.5
151	Guscio	182	259	253	188	3	6.5
152	Guscio	215	216	260	259	3	5.0
153	Guscio	259	260	254	253	3	5.0
154	Setto	245	196	182	229	3	6.5
155	Setto	105	86	225	196	3	6.5
156	Setto	196	225	188	182	3	6.5

157	Setto	86	84	234	225	3	6.5
158	Setto	118	105	196	245	3	6.5
159	Guscio	105	107	135	86	3	6.5
160	Guscio	92	119	106	107	3	5.0
161	Guscio	107	106	87	135	3	5.0
162	Guscio	84	116	128	85	3	6.5
163	Guscio	135	87	112	116	3	5.0
164	Guscio	229	215	259	182	3	6.5
165	Guscio	116	112	93	128	3	5.0
166	Setto	193	194	128	85	3	6.5
167	Setto	240	243	250	194	3	5.0
168	Setto	194	250	93	128	3	5.0
169	Setto	282	291	165	164	3	5.0
170	Setto	292	293	145	166	3	6.5
171	Setto	263	264	266	293	3	5.0
172	Setto	293	266	167	145	3	5.0
173	Setto	277	263	293	292	3	6.5
174	Guscio	163	164	174	172	3	6.5
175	Guscio	275	269	263	277	3	6.5
176	Guscio	283	271	270	269	3	5.0
177	Guscio	269	270	264	263	3	5.0
178	Setto	280	279	275	268	3	6.5
179	Setto	172	166	292	279	3	6.5
180	Setto	279	292	277	275	3	6.5
181	Setto	280	282	164	163	3	6.5
182	Setto	163	172	279	280	3	6.5
183	Guscio	172	174	145	166	3	6.5
184	Guscio	164	165	173	174	3	5.0
185	Guscio	174	173	167	145	3	5.0
186	Setto	268	283	282	280	3	6.5
187	Setto	283	271	291	282	3	5.0
188	Guscio	268	283	269	275	3	6.5
189	Setto	327	362	316	315	3	6.5
190	Setto	328	329	181	202	3	6.5
191	Setto	299	300	302	329	3	5.0
192	Setto	329	302	203	181	3	5.0
193	Setto	314	299	329	328	3	6.5
194	Guscio	166	145	210	208	3	6.5
195	Guscio	312	305	299	314	3	6.5
196	Guscio	263	264	306	305	3	5.0
197	Guscio	305	306	300	299	3	5.0
198	Setto	292	317	312	277	3	6.5
199	Setto	208	202	328	317	3	6.5
200	Setto	317	328	314	312	3	6.5
201	Guscio	213	257	239	211	3	6.5
202	Setto	166	208	317	292	3	6.5
203	Guscio	208	210	181	202	3	6.5
204	Guscio	145	167	209	210	3	5.0
205	Guscio	210	209	203	181	3	5.0
206	Guscio	320	374	362	327	3	6.5
207	Guscio	375	376	380	374	3	5.0
208	Guscio	277	263	305	312	3	6.5
209	Guscio	374	380	365	362	3	5.0
210	Setto	367	368	219	241	3	6.5
211	Setto	337	338	340	368	3	5.0
212	Setto	368	340	242	219	3	5.0
213	Setto	351	337	368	367	3	6.5
214	Guscio	202	181	249	247	3	6.5
215	Guscio	349	343	337	351	3	6.5
216	Guscio	299	300	344	343	3	5.0
217	Guscio	343	344	338	337	3	5.0
218	Setto	328	355	349	314	3	6.5
219	Setto	247	241	367	355	3	6.5
220	Setto	355	367	351	349	3	6.5
221	Setto	347	356	320	310	3	6.5
222	Setto	202	247	355	328	3	6.5
223	Guscio	247	249	219	241	3	6.5
224	Guscio	181	203	248	249	3	5.0
225	Guscio	249	248	242	219	3	5.0
226	Setto	211	212	315	356	3	6.5
227	Setto	356	315	327	320	3	6.5
228	Guscio	314	299	343	349	3	6.5
229	Guscio	310	375	374	320	3	6.5
230	Setto	347	348	257	213	3	6.5
231	Setto	375	376	378	348	3	5.0
232	Setto	348	378	214	257	3	5.0

233	Setto	310	375	348	347	3	6.5
234	Guscio	241	219	232	230	3	6.5
235	Guscio	304	381	375	310	3	6.5
236	Guscio	337	338	382	381	3	5.0
237	Guscio	381	382	376	375	3	5.0
238	Setto	367	318	304	351	3	6.5
239	Setto	230	213	347	318	3	6.5
240	Setto	318	347	310	304	3	6.5
241	Setto	213	211	356	347	3	6.5
242	Setto	241	230	318	367	3	6.5
243	Guscio	230	232	257	213	3	6.5
244	Guscio	219	242	231	232	3	5.0
245	Guscio	232	231	214	257	3	5.0
246	Guscio	211	239	251	212	3	6.5
247	Guscio	257	214	236	239	3	5.0
248	Guscio	351	337	381	304	3	6.5
249	Guscio	239	236	220	251	3	5.0
250	Setto	315	316	251	212	3	6.5
251	Setto	362	365	372	316	3	5.0
252	Setto	316	372	220	251	3	5.0
253	Setto	404	413	287	286	3	5.0
254	Setto	414	415	267	288	3	6.5
255	Setto	385	386	388	415	3	5.0
256	Setto	415	388	289	267	3	5.0
257	Setto	399	385	415	414	3	6.5
258	Guscio	285	286	296	294	3	6.5
259	Guscio	397	391	385	399	3	6.5
260	Guscio	405	393	392	391	3	5.0
261	Guscio	391	392	386	385	3	5.0
262	Setto	402	401	397	390	3	6.5
263	Setto	294	288	414	401	3	6.5
264	Setto	401	414	399	397	3	6.5
265	Setto	402	404	286	285	3	6.5
266	Setto	285	294	401	402	3	6.5
267	Guscio	294	296	267	288	3	6.5
268	Guscio	286	287	295	296	3	5.0
269	Guscio	296	295	289	267	3	5.0
270	Setto	390	405	404	402	3	6.5
271	Setto	405	393	413	404	3	5.0
272	Guscio	390	405	391	397	3	6.5
273	Setto	449	484	438	437	3	6.5
274	Setto	450	451	303	324	3	6.5
275	Setto	421	422	424	451	3	5.0
276	Setto	451	424	325	303	3	5.0
277	Setto	436	421	451	450	3	6.5
278	Guscio	288	267	332	330	3	6.5
279	Guscio	434	427	421	436	3	6.5
280	Guscio	385	386	428	427	3	5.0
281	Guscio	427	428	422	421	3	5.0
282	Setto	414	439	434	399	3	6.5
283	Setto	330	324	450	439	3	6.5
284	Setto	439	450	436	434	3	6.5
285	Guscio	335	379	361	333	3	6.5
286	Setto	288	330	439	414	3	6.5
287	Guscio	330	332	303	324	3	6.5
288	Guscio	267	289	331	332	3	5.0
289	Guscio	332	331	325	303	3	5.0
290	Guscio	442	496	484	449	3	6.5
291	Guscio	497	498	502	496	3	5.0
292	Guscio	399	385	427	434	3	6.5
293	Guscio	496	502	487	484	3	5.0
294	Setto	489	490	341	363	3	6.5
295	Setto	459	460	462	490	3	5.0
296	Setto	490	462	364	341	3	5.0
297	Setto	473	459	490	489	3	6.5
298	Guscio	324	303	371	369	3	6.5
299	Guscio	471	465	459	473	3	6.5
300	Guscio	421	422	466	465	3	5.0
301	Guscio	465	466	460	459	3	5.0
302	Setto	450	477	471	436	3	6.5
303	Setto	369	363	489	477	3	6.5
304	Setto	477	489	473	471	3	6.5
305	Setto	469	478	442	432	3	6.5
306	Setto	324	369	477	450	3	6.5
307	Guscio	369	371	341	363	3	6.5
308	Guscio	303	325	370	371	3	5.0

309	Guscio	371	370	364	341	3	5.0
310	Setto	333	334	437	478	3	6.5
311	Setto	478	437	449	442	3	6.5
312	Guscio	436	421	465	471	3	6.5
313	Guscio	432	497	496	442	3	6.5
314	Setto	469	470	379	335	3	6.5
315	Setto	497	498	500	470	3	5.0
316	Setto	470	500	336	379	3	5.0
317	Setto	432	497	470	469	3	6.5
318	Guscio	363	341	354	352	3	6.5
319	Guscio	426	503	497	432	3	6.5
320	Guscio	459	460	504	503	3	5.0
321	Guscio	503	504	498	497	3	5.0
322	Setto	489	440	426	473	3	6.5
323	Setto	352	335	469	440	3	6.5
324	Setto	440	469	432	426	3	6.5
325	Setto	335	333	478	469	3	6.5
326	Setto	363	352	440	489	3	6.5
327	Guscio	352	354	379	335	3	6.5
328	Guscio	341	364	353	354	3	5.0
329	Guscio	354	353	336	379	3	5.0
330	Guscio	333	361	373	334	3	6.5
331	Guscio	379	336	358	361	3	5.0
332	Guscio	473	459	503	426	3	6.5
333	Guscio	361	358	342	373	3	5.0
334	Setto	437	438	373	334	3	6.5
335	Setto	484	487	494	438	3	5.0
336	Setto	438	494	342	373	3	5.0
337	Setto	526	535	409	408	3	5.0
338	Setto	536	537	389	410	3	6.5
339	Setto	507	508	510	537	3	5.0
340	Setto	537	510	411	389	3	5.0
341	Setto	521	507	537	536	3	6.5
342	Guscio	407	408	418	416	3	6.5
343	Guscio	519	513	507	521	3	6.5
344	Guscio	527	515	514	513	3	5.0
345	Guscio	513	514	508	507	3	5.0
346	Setto	524	523	519	512	3	6.5
347	Setto	416	410	536	523	3	6.5
348	Setto	523	536	521	519	3	6.5
349	Setto	524	526	408	407	3	6.5
350	Setto	407	416	523	524	3	6.5
351	Guscio	416	418	389	410	3	6.5
352	Guscio	408	409	417	418	3	5.0
353	Guscio	418	417	411	389	3	5.0
354	Setto	512	527	526	524	3	6.5
355	Setto	527	515	535	526	3	5.0
356	Guscio	512	527	513	519	3	6.5
357	Setto	199	323	162	159	3	6.5
358	Setto	200	201	425	446	3	6.5
359	Setto	543	544	546	201	3	5.0
360	Setto	201	546	447	425	3	5.0
361	Setto	156	543	201	200	3	6.5
362	Guscio	410	389	454	452	3	6.5
363	Guscio	152	549	543	156	3	6.5
364	Guscio	507	508	550	549	3	5.0
365	Guscio	549	550	544	543	3	5.0
366	Setto	536	168	152	521	3	6.5
367	Setto	452	446	200	168	3	6.5
368	Setto	168	200	156	152	3	6.5
369	Guscio	457	501	483	455	3	6.5
370	Setto	410	452	168	536	3	6.5
371	Guscio	452	454	425	446	3	6.5
372	Guscio	389	411	453	454	3	5.0
373	Guscio	454	453	447	425	3	5.0
374	Guscio	179	384	323	199	3	6.5
375	Guscio	387	394	400	384	3	5.0
376	Guscio	521	507	549	152	3	6.5
377	Guscio	384	400	345	323	3	5.0
378	Setto	350	357	463	485	3	6.5
379	Setto	238	244	261	357	3	5.0
380	Setto	357	261	486	463	3	5.0
381	Setto	297	238	357	350	3	6.5
382	Guscio	446	425	493	491	3	6.5
383	Guscio	284	272	238	297	3	6.5
384	Guscio	543	544	273	272	3	5.0

385	Guscio	272	273	244	238	3	5.0
386	Setto	200	308	284	156	3	6.5
387	Setto	491	485	350	308	3	6.5
388	Setto	308	350	297	284	3	6.5
389	Setto	278	309	179	150	3	6.5
390	Setto	446	491	308	200	3	6.5
391	Guscio	491	493	463	485	3	6.5
392	Guscio	425	447	492	493	3	5.0
393	Guscio	493	492	486	463	3	5.0
394	Setto	455	456	159	309	3	6.5
395	Setto	309	159	199	179	3	6.5
396	Guscio	156	543	272	284	3	6.5
397	Guscio	150	387	384	179	3	6.5
398	Setto	278	281	501	457	3	6.5
399	Setto	387	394	396	281	3	5.0
400	Setto	281	396	458	501	3	5.0
401	Setto	150	387	281	278	3	6.5
402	Guscio	485	463	476	474	3	6.5
403	Guscio	548	403	387	150	3	6.5
404	Guscio	238	244	406	403	3	5.0
405	Guscio	403	406	394	387	3	5.0
406	Setto	350	175	548	297	3	6.5
407	Setto	474	457	278	175	3	6.5
408	Setto	175	278	150	548	3	6.5
409	Setto	457	455	309	278	3	6.5
410	Setto	485	474	175	350	3	6.5
411	Guscio	474	476	501	457	3	6.5
412	Guscio	463	486	475	476	3	5.0
413	Guscio	476	475	458	501	3	5.0
414	Guscio	455	483	495	456	3	6.5
415	Guscio	501	458	480	483	3	5.0
416	Guscio	297	238	403	548	3	6.5
417	Guscio	483	480	464	495	3	5.0
418	Setto	159	162	495	456	3	6.5
419	Setto	323	345	377	162	3	5.0
420	Setto	162	377	464	495	3	5.0
421	Setto	488	522	531	530	3	5.0
422	Setto	525	528	511	532	3	6.5
423	Setto	420	423	430	528	3	5.0
424	Setto	528	430	533	511	3	5.0
425	Setto	468	420	528	525	3	6.5
426	Guscio	529	530	540	538	3	6.5
427	Guscio	461	435	420	468	3	6.5
428	Guscio	499	443	441	435	3	5.0
429	Guscio	435	441	423	420	3	5.0
430	Setto	481	479	461	433	3	6.5
431	Setto	538	532	525	479	3	6.5
432	Setto	479	525	468	461	3	6.5
433	Setto	481	488	530	529	3	6.5
434	Setto	529	538	479	481	3	6.5
435	Guscio	538	540	511	532	3	6.5
436	Guscio	530	531	539	540	3	5.0
437	Guscio	540	539	533	511	3	5.0
438	Setto	433	499	488	481	3	6.5
439	Setto	499	443	522	488	3	5.0
440	Guscio	433	499	435	461	3	6.5
441	Setto	505	467	395	346	3	6.5
442	Setto	518	520	547	189	3	6.5
443	Setto	552	143	154	520	3	5.0
444	Setto	520	154	191	547	3	5.0
445	Setto	321	552	520	518	3	6.5
446	Guscio	532	511	223	204	3	6.5
447	Guscio	311	186	552	321	3	6.5
448	Guscio	420	423	187	186	3	5.0
449	Guscio	186	187	143	552	3	5.0
450	Setto	525	412	311	468	3	6.5
451	Setto	204	189	518	412	3	6.5
452	Setto	412	518	321	311	3	6.5
453	Guscio	235	398	322	224	3	6.5
454	Setto	532	204	412	525	3	6.5
455	Guscio	204	223	547	189	3	6.5
456	Guscio	511	533	217	223	3	5.0
457	Guscio	223	217	191	547	3	5.0
458	Guscio	431	506	467	505	3	6.5
459	Guscio	509	534	176	506	3	5.0
460	Guscio	468	420	186	311	3	6.5

461	Guscio	506	176	542	467	3	5.0
462	Setto	551	151	262	326	3	6.5
463	Setto	255	274	319	151	3	5.0
464	Setto	151	319	339	262	3	5.0
465	Setto	541	255	151	551	3	6.5
466	Guscio	189	547	366	359	3	6.5
467	Guscio	482	445	255	541	3	6.5
468	Guscio	552	143	448	445	3	5.0
469	Guscio	445	448	274	255	3	5.0
470	Setto	518	516	482	321	3	6.5
471	Setto	359	326	551	516	3	6.5
472	Setto	516	551	541	482	3	6.5
473	Setto	545	517	431	276	3	6.5
474	Setto	189	359	516	518	3	6.5
475	Guscio	359	366	262	326	3	6.5
476	Guscio	547	191	360	366	3	5.0
477	Guscio	366	360	339	262	3	5.0
478	Setto	224	228	346	517	3	6.5
479	Setto	517	346	505	431	3	6.5
480	Guscio	321	552	445	482	3	6.5
481	Guscio	276	509	506	431	3	6.5
482	Setto	545	290	398	235	3	6.5
483	Setto	509	534	472	290	3	5.0
484	Setto	290	472	237	398	3	5.0
485	Setto	276	509	290	545	3	6.5
486	Guscio	326	262	307	298	3	6.5
487	Guscio	185	197	509	276	3	6.5
488	Guscio	255	274	429	197	3	5.0
489	Guscio	197	429	534	509	3	5.0
490	Setto	551	419	185	541	3	6.5
491	Setto	298	235	545	419	3	6.5
492	Setto	419	545	276	185	3	6.5
493	Setto	235	224	517	545	3	6.5
494	Setto	326	298	419	551	3	6.5
495	Guscio	298	307	398	235	3	6.5
496	Guscio	262	339	301	307	3	5.0
497	Guscio	307	301	237	398	3	5.0
498	Guscio	224	322	383	228	3	6.5
499	Guscio	398	237	313	322	3	5.0
500	Guscio	541	255	197	185	3	6.5
501	Guscio	322	313	265	383	3	5.0
502	Setto	346	395	383	228	3	6.5
503	Setto	467	542	444	395	3	5.0
504	Setto	395	444	265	383	3	5.0

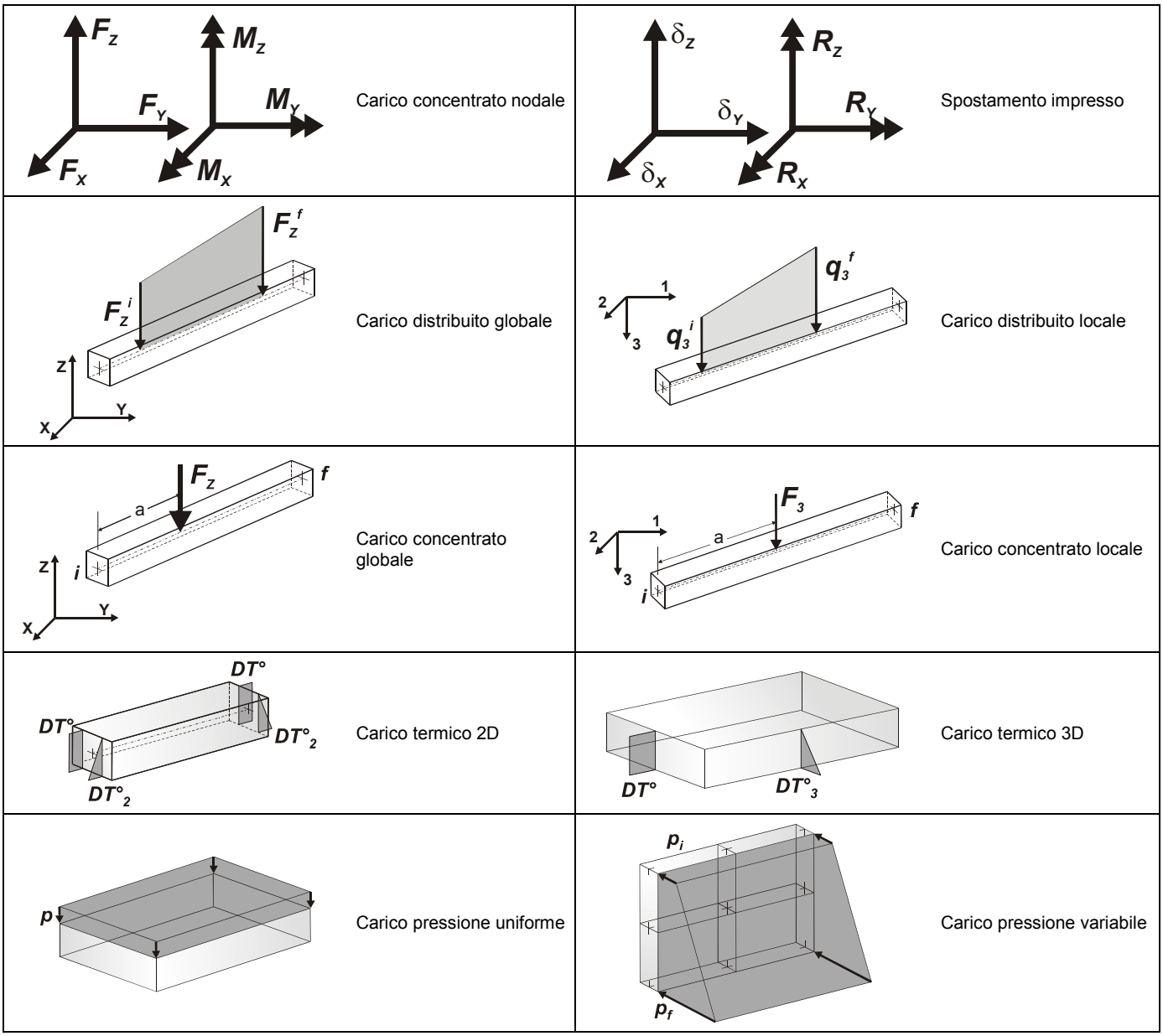
MODELLAZIONE DELLE AZIONI

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



Tipo	carico concentrato nodale

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		daN	daN	daN	daN m	daN m	daN m
2	Permanente Tappo	0.0	0.0	-50.00	0.0	0.0	0.0

Tipo	carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	daN/ m2	m	daN/ m2
1	Carico Variabile Piastre				
	Y - Y Qz Area L2=0.0	-10.00	-250.00	10.00	-250.00
3	neve				
	Y - Y Qz Area L2=0.0	-10.00	-80.00	10.00	-80.00
4	Timpano				
	Y - Y Qz Area L2=0.0	-10.00	-200.00	10.00	-200.00

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	**Pk**	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

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

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

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

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

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

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:0.80 per 10 CDC=Qk (Carico Timpano Copertura)
			partecipazione:1.00 per 11 CDC=G1k (Permanente)
			partecipazione:0.80 per 13 CDC=Qk (Neve Copertura)
			partecipazione:0.80 per 14 CDC=Qk (variabile Loculi)
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	Qk	CDC=Qk (Carico Timpano Copertura)	D3 :da 427 a 429 Azione : Timpano
			D3 : 440 Azione : Timpano
			D3 :da 447 a 449 Azione : Timpano
			D3 :da 458 a 461 Azione : Timpano
			D3 :da 467 a 469 Azione : Timpano
			D3 :da 480 a 481 Azione : Timpano
			D3 :da 487 a 489 Azione : Timpano
			D3 : 500 Azione : Timpano
11	Gk	CDC=G1k (Permanente)	Nodo: 16 Azione : Permanente Tappo
			Nodo: 39 Azione : Permanente Tappo
			Nodo: 53 Azione : Permanente Tappo
			Nodo: 60 Azione : Permanente Tappo
			Nodo: 73 Azione : Permanente Tappo
			Nodo: 82 Azione : Permanente Tappo
			Nodo: 103 Azione : Permanente Tappo
			Nodo: 106 Azione : Permanente Tappo
			Nodo: 112 Azione : Permanente Tappo

CDC	Tipo	Sigla Id	Note
			Nodo: 125 Azione : Permanente Tappo
			Nodo: 173 Azione : Permanente Tappo
			Nodo: 209 Azione : Permanente Tappo
			Nodo: 217 Azione : Permanente Tappo
			Nodo: 231 Azione : Permanente Tappo
			Nodo: 236 Azione : Permanente Tappo
			Nodo: 248 Azione : Permanente Tappo
			Nodo: 295 Azione : Permanente Tappo
			Nodo: 301 Azione : Permanente Tappo
			Nodo: 313 Azione : Permanente Tappo
			Nodo: 331 Azione : Permanente Tappo
			Nodo: 353 Azione : Permanente Tappo
			Nodo: 358 Azione : Permanente Tappo
			Nodo: 360 Azione : Permanente Tappo
			Nodo: 370 Azione : Permanente Tappo
			Nodo: 417 Azione : Permanente Tappo
			Nodo: 453 Azione : Permanente Tappo
			Nodo: 475 Azione : Permanente Tappo
			Nodo: 480 Azione : Permanente Tappo
			Nodo: 492 Azione : Permanente Tappo
			Nodo: 539 Azione : Permanente Tappo
12	Qtk	CDC=Qtk (carico termico) dT= 15.00	variazione termica:15.00
13	Qk	CDC=Qk (Neve Copertura)	D3 :da 427 a 429 Azione : neve
			D3 : 440 Azione : neve
			D3 :da 447 a 449 Azione : neve
			D3 :da 458 a 461 Azione : neve
			D3 :da 467 a 469 Azione : neve
			D3 :da 480 a 481 Azione : neve
			D3 :da 487 a 489 Azione : neve
			D3 : 500 Azione : neve
14	Qk	CDC=Qk (variabile Loculi)	D3 : 6 Azione : Carico Variabile Piastre
			D3 :da 15 a 17 Azione : Carico Variabile Piastre
			D3 : 26 Azione : Carico Variabile Piastre
			D3 : 33 Azione : Carico Variabile Piastre
			D3 :da 35 a 37 Azione : Carico Variabile Piastre
			D3 : 46 Azione : Carico Variabile Piastre
			D3 :da 55 a 57 Azione : Carico Variabile Piastre
			D3 : 66 Azione : Carico Variabile Piastre
			D3 :da 75 a 79 Azione : Carico Variabile Piastre
			D3 : 81 Azione : Carico Variabile Piastre
			D3 : 90 Azione : Carico Variabile Piastre
			D3 :da 99 a 101 Azione : Carico Variabile Piastre
			D3 : 110 Azione : Carico Variabile Piastre
			D3 : 117 Azione : Carico Variabile Piastre
			D3 :da 119 a 121 Azione : Carico Variabile Piastre
			D3 : 130 Azione : Carico Variabile Piastre
			D3 :da 139 a 141 Azione : Carico Variabile Piastre
			D3 : 150 Azione : Carico Variabile Piastre
			D3 :da 159 a 163 Azione : Carico Variabile Piastre
			D3 : 165 Azione : Carico Variabile Piastre
			D3 : 174 Azione : Carico Variabile Piastre
			D3 :da 183 a 185 Azione : Carico Variabile Piastre
			D3 : 194 Azione : Carico Variabile Piastre
			D3 : 201 Azione : Carico Variabile Piastre
			D3 :da 203 a 205 Azione : Carico Variabile Piastre
			D3 : 214 Azione : Carico Variabile Piastre
			D3 :da 223 a 225 Azione : Carico Variabile Piastre
			D3 : 234 Azione : Carico Variabile Piastre
			D3 :da 243 a 247 Azione : Carico Variabile Piastre
			D3 : 249 Azione : Carico Variabile Piastre
			D3 : 258 Azione : Carico Variabile Piastre
			D3 :da 267 a 269 Azione : Carico Variabile Piastre
			D3 : 278 Azione : Carico Variabile Piastre
			D3 : 285 Azione : Carico Variabile Piastre
			D3 :da 287 a 289 Azione : Carico Variabile Piastre
			D3 : 298 Azione : Carico Variabile Piastre
			D3 :da 307 a 309 Azione : Carico Variabile Piastre
			D3 : 318 Azione : Carico Variabile Piastre
			D3 :da 327 a 331 Azione : Carico Variabile Piastre
			D3 : 333 Azione : Carico Variabile Piastre
			D3 : 342 Azione : Carico Variabile Piastre
			D3 :da 351 a 353 Azione : Carico Variabile Piastre
			D3 : 362 Azione : Carico Variabile Piastre

CDC	Tipo	Sigla Id	Note
			D3 : 369 Azione : Carico Variabile Piastre
			D3 :da 371 a 373 Azione : Carico Variabile Piastre
			D3 : 382 Azione : Carico Variabile Piastre
			D3 :da 391 a 393 Azione : Carico Variabile Piastre
			D3 : 402 Azione : Carico Variabile Piastre
			D3 :da 411 a 415 Azione : Carico Variabile Piastre
			D3 : 417 Azione : Carico Variabile Piastre
			D3 : 426 Azione : Carico Variabile Piastre
			D3 :da 435 a 437 Azione : Carico Variabile Piastre
			D3 : 446 Azione : Carico Variabile Piastre
			D3 : 453 Azione : Carico Variabile Piastre
			D3 :da 455 a 457 Azione : Carico Variabile Piastre
			D3 : 466 Azione : Carico Variabile Piastre
			D3 :da 475 a 477 Azione : Carico Variabile Piastre
			D3 : 486 Azione : Carico Variabile Piastre
			D3 :da 495 a 499 Azione : Carico Variabile Piastre
			D3 : 501 Azione : Carico Variabile Piastre

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

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

Dove:

NTC 2008 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 2008 Tabella 2.6.I

		Coefficiente γf	**EQU**	**A1**	**A2**
Carichi permanenti	Favorevoli Sfavorevoli	$\gamma G1$	0,9 1,1	1,0 1,3	1,0 1,0
Carichi permanenti non strutturali (Non compiutamente definiti)	Favorevoli Sfavorevoli	$\gamma G2$	0,0 1,5	0,0 1,5	0,0 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 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 13	
14	SLU	Comb. SLU A1 14	
15	SLU	Comb. SLU A1 15	
16	SLU	Comb. SLU A1 16	
17	SLU	Comb. SLU A1 17	
18	SLU	Comb. SLU A1 18	
19	SLU	Comb. SLU A1 19	
20	SLU	Comb. SLU A1 20	
21	SLU	Comb. SLU A1 21	
22	SLU	Comb. SLU A1 22	
23	SLU	Comb. SLU A1 23	
24	SLU	Comb. SLU A1 24	
25	SLU	Comb. SLU A1 25	
26	SLU	Comb. SLU A1 26	
27	SLU	Comb. SLU A1 27	
28	SLU	Comb. SLU A1 28	
29	SLU	Comb. SLU A1 29	
30	SLU	Comb. SLU A1 30	
31	SLU	Comb. SLU A1 31	
32	SLU	Comb. SLU A1 32	
33	SLU	Comb. SLU A1 33	
34	SLU	Comb. SLU A1 34	
35	SLU	Comb. SLU A1 35	
36	SLU	Comb. SLU A1 36	
37	SLU	Comb. SLU A1 37	
38	SLU	Comb. SLU A1 38	
39	SLU	Comb. SLU A1 39	
40	SLU	Comb. SLU A1 40	
41	SLU	Comb. SLU A1 41	
42	SLU	Comb. SLU A1 42	
43	SLU	Comb. SLU A1 43	
44	SLU	Comb. SLU A1 44	
45	SLU	Comb. SLU A1 45	
46	SLU	Comb. SLU A1 46	
47	SLU	Comb. SLU A1 47	
48	SLU	Comb. SLU A1 48	
49	SLU	Comb. SLU A1 49	
50	SLU	Comb. SLU A1 50	
51	SLU	Comb. SLU A1 51	
52	SLU	Comb. SLU A1 52	
53	SLU	Comb. SLU A1 53	
54	SLU	Comb. SLU A1 54	
55	SLU	Comb. SLU A1 55	
56	SLU	Comb. SLU A1 56	
57	SLU	Comb. SLU A1 57	
58	SLU	Comb. SLU A1 58	
59	SLU	Comb. SLU A1 59	
60	SLU	Comb. SLU A1 60	
61	SLU	Comb. SLU A1 61	
62	SLU	Comb. SLU A1 62	
63	SLU	Comb. SLU A1 63	
64	SLU	Comb. SLU A1 64	
65	SLU	Comb. SLU A1 (SLV sism.) 65	
66	SLU	Comb. SLU A1 (SLV sism.) 66	
67	SLU	Comb. SLU A1 (SLV sism.) 67	
68	SLU	Comb. SLU A1 (SLV sism.) 68	

Cmb	Tipo	Sigla Id	effetto P-delta
69	SLU	Comb. SLU A1 (SLV sism.) 69	
70	SLU	Comb. SLU A1 (SLV sism.) 70	
71	SLU	Comb. SLU A1 (SLV sism.) 71	
72	SLU	Comb. SLU A1 (SLV sism.) 72	
73	SLU	Comb. SLU A1 (SLV sism.) 73	
74	SLU	Comb. SLU A1 (SLV sism.) 74	
75	SLU	Comb. SLU A1 (SLV sism.) 75	
76	SLU	Comb. SLU A1 (SLV sism.) 76	
77	SLU	Comb. SLU A1 (SLV sism.) 77	
78	SLU	Comb. SLU A1 (SLV sism.) 78	
79	SLU	Comb. SLU A1 (SLV sism.) 79	
80	SLU	Comb. SLU A1 (SLV sism.) 80	
81	SLU	Comb. SLU A1 (SLV sism.) 81	
82	SLU	Comb. SLU A1 (SLV sism.) 82	
83	SLU	Comb. SLU A1 (SLV sism.) 83	
84	SLU	Comb. SLU A1 (SLV sism.) 84	
85	SLU	Comb. SLU A1 (SLV sism.) 85	
86	SLU	Comb. SLU A1 (SLV sism.) 86	
87	SLU	Comb. SLU A1 (SLV sism.) 87	
88	SLU	Comb. SLU A1 (SLV sism.) 88	
89	SLU	Comb. SLU A1 (SLV sism.) 89	
90	SLU	Comb. SLU A1 (SLV sism.) 90	
91	SLU	Comb. SLU A1 (SLV sism.) 91	
92	SLU	Comb. SLU A1 (SLV sism.) 92	
93	SLU	Comb. SLU A1 (SLV sism.) 93	
94	SLU	Comb. SLU A1 (SLV sism.) 94	
95	SLU	Comb. SLU A1 (SLV sism.) 95	
96	SLU	Comb. SLU A1 (SLV sism.) 96	
97	SLD(sis)	Comb. SLE (SLD Danno sism.) 97	
98	SLD(sis)	Comb. SLE (SLD Danno sism.) 98	
99	SLD(sis)	Comb. SLE (SLD Danno sism.) 99	
100	SLD(sis)	Comb. SLE (SLD Danno sism.) 100	
101	SLD(sis)	Comb. SLE (SLD Danno sism.) 101	
102	SLD(sis)	Comb. SLE (SLD Danno sism.) 102	
103	SLD(sis)	Comb. SLE (SLD Danno sism.) 103	
104	SLD(sis)	Comb. SLE (SLD Danno sism.) 104	
105	SLD(sis)	Comb. SLE (SLD Danno sism.) 105	
106	SLD(sis)	Comb. SLE (SLD Danno sism.) 106	
107	SLD(sis)	Comb. SLE (SLD Danno sism.) 107	
108	SLD(sis)	Comb. SLE (SLD Danno sism.) 108	
109	SLD(sis)	Comb. SLE (SLD Danno sism.) 109	
110	SLD(sis)	Comb. SLE (SLD Danno sism.) 110	
111	SLD(sis)	Comb. SLE (SLD Danno sism.) 111	
112	SLD(sis)	Comb. SLE (SLD Danno sism.) 112	
113	SLD(sis)	Comb. SLE (SLD Danno sism.) 113	
114	SLD(sis)	Comb. SLE (SLD Danno sism.) 114	
115	SLD(sis)	Comb. SLE (SLD Danno sism.) 115	
116	SLD(sis)	Comb. SLE (SLD Danno sism.) 116	
117	SLD(sis)	Comb. SLE (SLD Danno sism.) 117	
118	SLD(sis)	Comb. SLE (SLD Danno sism.) 118	
119	SLD(sis)	Comb. SLE (SLD Danno sism.) 119	
120	SLD(sis)	Comb. SLE (SLD Danno sism.) 120	
121	SLD(sis)	Comb. SLE (SLD Danno sism.) 121	
122	SLD(sis)	Comb. SLE (SLD Danno sism.) 122	
123	SLD(sis)	Comb. SLE (SLD Danno sism.) 123	
124	SLD(sis)	Comb. SLE (SLD Danno sism.) 124	
125	SLD(sis)	Comb. SLE (SLD Danno sism.) 125	
126	SLD(sis)	Comb. SLE (SLD Danno sism.) 126	
127	SLD(sis)	Comb. SLE (SLD Danno sism.) 127	
128	SLD(sis)	Comb. SLE (SLD Danno sism.) 128	
129	SLE(r)	Comb. SLE(rara) 129	
130	SLE(r)	Comb. SLE(rara) 130	
131	SLE(r)	Comb. SLE(rara) 131	
132	SLE(r)	Comb. SLE(rara) 132	
133	SLE(r)	Comb. SLE(rara) 133	
134	SLE(r)	Comb. SLE(rara) 134	
135	SLE(r)	Comb. SLE(rara) 135	
136	SLE(r)	Comb. SLE(rara) 136	
137	SLE(r)	Comb. SLE(rara) 137	
138	SLE(r)	Comb. SLE(rara) 138	
139	SLE(r)	Comb. SLE(rara) 139	
140	SLE(r)	Comb. SLE(rara) 140	
141	SLE(r)	Comb. SLE(rara) 141	

Cmb	Tipo	Sigla Id	effetto P-delta
142	SLE(r)	Comb. SLE(rara) 142	
143	SLE(r)	Comb. SLE(rara) 143	
144	SLE(r)	Comb. SLE(rara) 144	
145	SLE(r)	Comb. SLE(rara) 145	
146	SLE(r)	Comb. SLE(rara) 146	
147	SLE(r)	Comb. SLE(rara) 147	
148	SLE(r)	Comb. SLE(rara) 148	
149	SLE(r)	Comb. SLE(rara) 149	
150	SLE(r)	Comb. SLE(rara) 150	
151	SLE(r)	Comb. SLE(rara) 151	
152	SLE(r)	Comb. SLE(rara) 152	
153	SLE(r)	Comb. SLE(rara) 153	
154	SLE(r)	Comb. SLE(rara) 154	
155	SLE(r)	Comb. SLE(rara) 155	
156	SLE(r)	Comb. SLE(rara) 156	
157	SLE(r)	Comb. SLE(rara) 157	
158	SLE(r)	Comb. SLE(rara) 158	
159	SLE(r)	Comb. SLE(rara) 159	
160	SLE(r)	Comb. SLE(rara) 160	
161	SLE(f)	Comb. SLE(freq.) 161	
162	SLE(f)	Comb. SLE(freq.) 162	
163	SLE(f)	Comb. SLE(freq.) 163	
164	SLE(f)	Comb. SLE(freq.) 164	
165	SLE(f)	Comb. SLE(freq.) 165	
166	SLE(f)	Comb. SLE(freq.) 166	
167	SLE(f)	Comb. SLE(freq.) 167	
168	SLE(f)	Comb. SLE(freq.) 168	
169	SLE(f)	Comb. SLE(freq.) 169	
170	SLE(f)	Comb. SLE(freq.) 170	
171	SLE(f)	Comb. SLE(freq.) 171	
172	SLE(f)	Comb. SLE(freq.) 172	
173	SLE(f)	Comb. SLE(freq.) 173	
174	SLE(f)	Comb. SLE(freq.) 174	
175	SLE(f)	Comb. SLE(freq.) 175	
176	SLE(f)	Comb. SLE(freq.) 176	
177	SLE(f)	Comb. SLE(freq.) 177	
178	SLE(f)	Comb. SLE(freq.) 178	
179	SLE(f)	Comb. SLE(freq.) 179	
180	SLE(f)	Comb. SLE(freq.) 180	
181	SLE(f)	Comb. SLE(freq.) 181	
182	SLE(f)	Comb. SLE(freq.) 182	
183	SLE(f)	Comb. SLE(freq.) 183	
184	SLE(f)	Comb. SLE(freq.) 184	
185	SLE(f)	Comb. SLE(freq.) 185	
186	SLE(f)	Comb. SLE(freq.) 186	
187	SLE(f)	Comb. SLE(freq.) 187	
188	SLE(f)	Comb. SLE(freq.) 188	
189	SLE(f)	Comb. SLE(freq.) 189	
190	SLE(f)	Comb. SLE(freq.) 190	
191	SLE(f)	Comb. SLE(freq.) 191	
192	SLE(f)	Comb. SLE(freq.) 192	
193	SLE(f)	Comb. SLE(freq.) 193	
194	SLE(f)	Comb. SLE(freq.) 194	
195	SLE(f)	Comb. SLE(freq.) 195	
196	SLE(p)	Comb. SLE(perm.) 196	
197	SLE(p)	Comb. SLE(perm.) 197	
198	SLE(p)	Comb. SLE(perm.) 198	
199	SLE(p)	Comb. SLE(perm.) 199	
200	SLE(p)	Comb. SLE(perm.) 200	
201	SLE(p)	Comb. SLE(perm.) 201	
202	SLE(p)	Comb. SLE(perm.) 202	
203	SLE(p)	Comb. SLE(perm.) 203	

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	0.0	1.30	-0.90	0.0	0.0
2	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-0.90	0.0	1.50
3	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-0.90	1.50	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
4	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-0.90	1.50	1.50
5	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	0.0	0.0
6	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	0.0	1.50
7	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	1.50	0.0
8	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.90	1.50	1.50
9	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	0.0	0.0
10	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	0.0	1.50
11	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	1.50	0.0
12	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-0.90	1.50	1.50
13	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	0.0	0.0
14	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	0.0	1.50
15	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	1.50	0.0
16	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	0.90	1.50	1.50
17	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	0.0	0.0
18	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	0.0	1.50
19	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	1.50	0.0
20	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.90	1.50	1.50
21	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	0.0	0.0
22	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	0.0	1.50
23	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	1.50	0.0
24	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.90	1.50	1.50
25	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	0.0	0.0
26	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	0.0	1.50
27	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	1.50	0.0
28	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-0.90	1.50	1.50
29	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	0.0	0.0
30	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	0.0	1.50
31	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	1.50	0.0
32	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	0.90	1.50	1.50
33	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	0.0	0.0
34	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	0.0	1.50
35	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	1.50	0.0
36	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	-1.50	1.50	1.50
37	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	0.0
38	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	0.0	1.50
39	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.50	0.0
40	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50	1.50	1.50
41	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	0.0	0.0
42	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	0.0	1.50
43	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	1.50	0.0
44	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	-1.50	1.50	1.50
45	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	0.0	0.0
46	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	0.0	1.50
47	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	1.50	0.0
48	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.30	1.50	1.50	1.50
49	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	0.0	0.0
50	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	0.0	1.50
51	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	1.50	0.0
52	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.50	1.50	1.50
53	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	0.0	0.0
54	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	0.0	1.50
55	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	1.50	0.0
56	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50	1.50	1.50
57	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	0.0	0.0
58	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	0.0	1.50
59	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	1.50	0.0
60	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	-1.50	1.50	1.50
61	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	0.0	0.0
62	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	0.0	1.50
63	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	1.50	0.0
64	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50	1.00	1.50	1.50	1.50
65	1.00	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
66	1.00	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
67	1.00	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
68	1.00	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
69	1.00	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
70	1.00	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
71	1.00	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
72	1.00	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
73	1.00	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
74	1.00	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
75	1.00	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	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...
76	1.00	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
77	1.00	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
78	1.00	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
79	1.00	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
80	1.00	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
81	1.00	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
82	1.00	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
83	1.00	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
84	1.00	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
85	1.00	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
86	1.00	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
87	1.00	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
88	1.00	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
89	1.00	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
90	1.00	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
91	1.00	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
92	1.00	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
93	1.00	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
94	1.00	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
95	1.00	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
96	1.00	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80
97	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
98	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	0.80	1.00	0.0	0.80	0.80
99	1.00	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
100	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	0.80	1.00	0.0	0.80	0.80
101	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
102	1.00	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	0.80	1.00	0.0	0.80	0.80
103	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
104	1.00	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	0.80	1.00	0.0	0.80	0.80
105	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
106	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	0.80	1.00	0.0	0.80	0.80
107	1.00	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	0.80	1.00	0.0	0.80	0.80
108	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	0.80	1.00	0.0	0.80	0.80
109	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
110	1.00	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.80	1.00	0.0	0.80	0.80
111	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.80	1.00	0.0	0.80	0.80
112	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.80	1.00	0.0	0.80	0.80
113	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
114	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	0.80	1.00	0.0	0.80	0.80
115	1.00	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
116	1.00	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	0.80	1.00	0.0	0.80	0.80
117	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
118	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	0.80	1.00	0.0	0.80	0.80
119	1.00	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	0.80	1.00	0.0	0.80	0.80
120	1.00	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	0.80	1.00	0.0	0.80	0.80
121	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
122	1.00	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	0.80	1.00	0.0	0.80	0.80
123	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
124	1.00	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	0.80	1.00	0.0	0.80	0.80
125	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
126	1.00	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.80	1.00	0.0	0.80	0.80
127	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.80	1.00	0.0	0.80	0.80
128	1.00	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.80	1.00	0.0	0.80	0.80
129	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	0.0	0.0
130	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	0.0	1.00
131	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	1.00	0.0
132	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.60	1.00	1.00
133	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.0	0.0
134	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	0.0	1.00
135	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	1.00	0.0
136	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.60	1.00	1.00
137	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	0.0	0.0
138	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	0.0	1.00
139	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	1.00	0.0
140	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-0.60	1.00	1.00
141	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	0.0	0.0
142	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	0.0	1.00
143	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	1.00	0.0
144	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.60	1.00	1.00
145	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	0.0	0.0
146	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	0.0	1.00
147	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	1.00	0.0

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
148	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-1.00	1.00	1.00
149	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	0.0
150	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	0.0	1.00
151	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0
152	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	1.00
153	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-1.00	0.0	0.0
154	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	-1.00	0.0	1.00
155	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
156	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
157	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	0.0
158	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00	1.00	0.0	1.00
159	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
160	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
161	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0
162	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.80
163	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.0
164	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.80
165	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.0	0.0
166	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.0	0.80
167	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.80	0.0
168	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.90	1.00	0.0	0.80	0.80
169	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.0	0.0
170	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.0	0.80
171	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.80	0.0
172	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	-0.50	0.80	0.80
173	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.0
174	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.0	0.80
175	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.80	0.0
176	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.50	0.80	0.80
177	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.0	0.0
178	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.0	0.80
179	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.80	0.0
180	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	-0.50	0.80	0.80
181	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.0	0.0
182	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.0	0.80
183	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.80	0.0
184	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.50	0.80	0.80
185	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.90	0.0
186	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.90	0.80
187	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.0
188	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.80
189	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.90	0.0
190	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.90	0.80
191	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.90
192	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.90
193	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.90
194	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.0
195	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.90
196	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.0
197	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.80
198	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.0
199	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.80	0.80
200	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.0
201	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.0	0.80
202	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.0
203	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.80	1.00	0.0	0.80	0.80

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 (3.2.5)
Fo è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale
Fv è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno ag su sito di riferimento rigido orizzontale
Tb è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.
Tc è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.
Td è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	13.849	37.360	
48734	13.804	37.335	4.837
48735	13.867	37.334	3.289
48513	13.867	37.384	3.097
48512	13.804	37.385	4.836

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	45.0	0.026	2.510	0.230
SLD	63.0	75.0	0.033	2.510	0.280
SLV	10.0	712.0	0.069	2.660	0.460
SLC	5.0	1462.0	0.085	2.730	0.510

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.026	1.200	2.510	0.551	0.113	0.339	1.706
SLD	0.033	1.200	2.510	0.612	0.132	0.397	1.730
SLV	0.069	1.200	2.660	0.942	0.197	0.591	1.875
SLC	0.085	1.200	2.730	1.072	0.214	0.642	1.938

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 di struttura q	Fattore 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 sottoriportati (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 l' allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU (SLC per il DM 14-01-2008) sismica riporta il

codice di verifica e i valori utilizzati per la verifica: spostamento dE, area ridotta e dimensione A2, azione verticale, deformazioni di taglio dell' elastomero e tensioni nell' acciaio.

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

Affinchè 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
65	MASSE SISMICHE
70	PROGETTO DI ISOLATORI ELASTOMERICI
71	VERIFICA DI ISOLATORI ELASTOMERICI
72	VERIFICA DI ISOLATORI FRICTION PENDULUM

CDC	Tipo	Sigla Id	Note
2	Edk	CDC=Ed (dinamico SLU) alfa=0.0 (ecc. +)	
			categoria suolo: B
			fattore di sito S = 1.200
			ordinata spettro (tratto Tb-Tc) = 0.110 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.075 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	0.0	-0.13	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	0.0	-0.13	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.751	0.078	0.093	1569.96	11.0	1.066e+04	74.9	0.35	2.48e-03	0.0	0.0
2	13.270	0.075	0.093	1.071e+04	75.3	2073.23	14.6	2.75	1.93e-02	0.0	0.0
3	16.619	0.060	0.091	953.10	6.7	398.01	2.8	0.56	3.95e-03	0.0	0.0
4	37.939	0.026	0.086	201.61	1.4	651.60	4.6	17.66	0.1	0.0	0.0
5	39.706	0.025	0.086	623.27	4.4	259.03	1.8	63.63	0.4	0.0	0.0
6	49.098	0.020	0.085	62.91	0.4	34.11	0.2	17.10	0.1	0.0	0.0
7	70.825	0.014	0.085	4.24	2.98e-02	107.94	0.8	4.94	3.47e-02	0.0	0.0
8	73.719	0.014	0.084	57.81	0.4	11.63	8.17e-02	59.38	0.4	0.0	0.0
9	85.335	0.012	0.084	21.12	0.1	0.77	5.41e-03	70.28	0.5	0.0	0.0
10	100.470	0.010	0.084	3.48	2.45e-02	12.86	9.04e-02	503.78	3.5	0.0	0.0
11	102.224	0.010	0.084	4.24	2.98e-02	12.03	8.46e-02	857.85	6.0	0.0	0.0
12	108.561	0.009	0.084	0.21	1.45e-03	0.12	8.72e-04	5201.56	36.6	0.0	0.0
Risulta				1.421e+04		1.422e+04		6799.83			
In percentuale				99.91		99.94		47.80			

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) = 0.110 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.075 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

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

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
3.12	1180.69	0.51	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	0.0	0.13	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	0.0	0.13	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.751	0.078	0.093	1569.96	11.0	1.066e+04	74.9	0.35	2.48e-03	0.0	0.0
2	13.270	0.075	0.093	1.071e+04	75.3	2073.23	14.6	2.75	1.93e-02	0.0	0.0
3	16.619	0.060	0.091	953.10	6.7	398.01	2.8	0.56	3.95e-03	0.0	0.0
4	37.939	0.026	0.086	201.61	1.4	651.60	4.6	17.66	0.1	0.0	0.0
5	39.706	0.025	0.086	623.27	4.4	259.03	1.8	63.63	0.4	0.0	0.0
6	49.098	0.020	0.085	62.91	0.4	34.11	0.2	17.10	0.1	0.0	0.0
7	70.825	0.014	0.085	4.24	2.98e-02	107.94	0.8	4.94	3.47e-02	0.0	0.0
8	73.719	0.014	0.084	57.81	0.4	11.63	8.17e-02	59.39	0.4	0.0	0.0
9	85.335	0.012	0.084	21.12	0.1	0.77	5.41e-03	70.32	0.5	0.0	0.0
10	100.471	0.010	0.084	3.48	2.45e-02	12.86	9.04e-02	504.38	3.5	0.0	0.0
11	102.224	0.010	0.084	4.24	2.98e-02	12.04	8.46e-02	857.39	6.0	0.0	0.0
12	108.562	0.009	0.084	0.21	1.45e-03	0.13	8.79e-04	5205.63	36.6	0.0	0.0
Risulta				1.421e+04		1.422e+04		6804.08			
In percentuale				99.91		99.94		47.83			

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) = 0.110 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.079 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
2.35	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	0.06	0.0	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	0.06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.626	0.079	0.094	0.0	0.0	1.202e+04	84.5	0.0	0.0	0.0	0.0
2	13.470	0.074	0.093	1.323e+04	93.0	0.0	0.0	3.60	2.53e-02	0.0	0.0
3	16.388	0.061	0.091	0.0	0.0	1103.62	7.8	0.0	0.0	0.0	0.0
4	37.586	0.027	0.086	0.0	0.0	864.20	6.1	0.0	0.0	0.0	0.0
5	39.988	0.025	0.086	889.90	6.3	0.0	0.0	94.50	0.7	0.0	0.0
6	48.833	0.020	0.085	0.0	0.0	88.13	0.6	0.0	0.0	0.0	0.0
7	69.876	0.014	0.085	0.0	0.0	109.66	0.8	0.0	0.0	0.0	0.0
8	76.429	0.013	0.084	84.03	0.6	0.0	0.0	110.40	0.8	0.0	0.0
9	82.817	0.012	0.084	0.0	0.0	10.42	7.33e-02	1.52e-06	0.0	0.0	0.0
10	99.272	0.010	0.084	0.0	0.0	21.72	0.2	1.76e-03	1.24e-05	0.0	0.0
11	104.266	0.010	0.084	6.88	4.84e-02	0.0	0.0	3941.62	27.7	0.0	0.0
12	112.250	0.009	0.084	1.67e-06	0.0	3.27	2.30e-02	5.47e-03	3.84e-05	0.0	0.0
Risulta				1.421e+04		1.422e+04		4150.13			
In percentuale				99.90		99.94		29.17			

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) = 0.110 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.077 sec.
			fattore di struttura q: 2.000
			fattore per spost. mu d: 6.000
			classe di duttilità CD: B
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
1.58	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	-0.06	0.0	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.921	0.077	0.093	0.0	0.0	1.302e+04	91.5	0.0	0.0	0.0	0.0
2	13.471	0.074	0.093	1.323e+04	93.0	0.0	0.0	3.60	2.53e-02	0.0	0.0
3	16.029	0.062	0.091	0.0	0.0	119.67	0.8	0.0	0.0	0.0	0.0
4	38.910	0.026	0.086	0.0	0.0	924.13	6.5	0.0	0.0	0.0	0.0
5	39.988	0.025	0.086	889.97	6.3	0.0	0.0	94.50	0.7	0.0	0.0
6	47.188	0.021	0.085	0.0	0.0	12.93	9.09e-02	0.0	0.0	0.0	0.0
7	71.386	0.014	0.084	0.0	0.0	119.25	0.8	1.05e-06	0.0	0.0	0.0
8	76.432	0.013	0.084	84.08	0.6	0.0	0.0	110.45	0.8	0.0	0.0
9	81.163	0.012	0.084	0.0	0.0	0.98	6.91e-03	0.0	0.0	0.0	0.0
10	101.424	0.010	0.084	0.0	0.0	23.45	0.2	5.72e-05	0.0	0.0	0.0
11	104.270	0.010	0.084	6.89	4.84e-02	0.0	0.0	3945.37	27.7	0.0	0.0
12	110.275	0.009	0.084	0.0	0.0	1.39	9.77e-03	4.86e-04	3.42e-06	0.0	0.0
Risulta				1.421e+04		1.422e+04		4153.92			
In percentuale				99.90		99.94		29.20			

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) = 0.098 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.075 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	0.0	-0.13	0.55	1.25	1.168	0.072	0.0

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
0.52	564.89	0.47	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	0.0	-0.13	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	0.0	-0.13	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	0.0	-0.13	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.751	0.078	0.074	1569.96	11.0	1.066e+04	74.9	0.35	2.48e-03	0.0	0.0
2	13.270	0.075	0.073	1.071e+04	75.3	2073.23	14.6	2.75	1.93e-02	0.0	0.0
3	16.619	0.060	0.066	953.10	6.7	398.01	2.8	0.56	3.95e-03	0.0	0.0
4	37.939	0.026	0.051	201.61	1.4	651.60	4.6	17.66	0.1	0.0	0.0
5	39.706	0.025	0.050	623.27	4.4	259.03	1.8	63.63	0.4	0.0	0.0
6	49.098	0.020	0.048	62.91	0.4	34.11	0.2	17.10	0.1	0.0	0.0
7	70.825	0.014	0.045	4.24	2.98e-02	107.94	0.8	4.94	3.47e-02	0.0	0.0
8	73.719	0.014	0.045	57.81	0.4	11.63	8.17e-02	59.38	0.4	0.0	0.0
9	85.335	0.012	0.044	21.12	0.1	0.77	5.41e-03	70.28	0.5	0.0	0.0
10	100.470	0.010	0.044	3.48	2.45e-02	12.86	9.04e-02	503.78	3.5	0.0	0.0
11	102.224	0.010	0.043	4.24	2.98e-02	12.03	8.46e-02	857.85	6.0	0.0	0.0
12	108.561	0.009	0.043	0.21	1.45e-03	0.12	8.72e-04	5201.56	36.6	0.0	0.0
Risulta				1.421e+04		1.422e+04		6799.83			
In percentuale				99.91		99.94		47.80			

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) = 0.098 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.075 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	0.0	0.13	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	0.0	0.13	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	0.0	0.13	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	0.0	0.13	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.751	0.078	0.074	1569.96	11.0	1.066e+04	74.9	0.35	2.48e-03	0.0	0.0
2	13.270	0.075	0.073	1.071e+04	75.3	2073.23	14.6	2.75	1.93e-02	0.0	0.0
3	16.619	0.060	0.066	953.10	6.7	398.01	2.8	0.56	3.95e-03	0.0	0.0
4	37.939	0.026	0.051	201.61	1.4	651.60	4.6	17.66	0.1	0.0	0.0
5	39.706	0.025	0.050	623.27	4.4	259.03	1.8	63.63	0.4	0.0	0.0
6	49.098	0.020	0.048	62.91	0.4	34.11	0.2	17.10	0.1	0.0	0.0
7	70.825	0.014	0.045	4.24	2.98e-02	107.94	0.8	4.94	3.47e-02	0.0	0.0
8	73.719	0.014	0.045	57.81	0.4	11.63	8.17e-02	59.39	0.4	0.0	0.0
9	85.335	0.012	0.044	21.12	0.1	0.77	5.41e-03	70.32	0.5	0.0	0.0
10	100.471	0.010	0.044	3.48	2.45e-02	12.86	9.04e-02	504.38	3.5	0.0	0.0
11	102.224	0.010	0.043	4.24	2.98e-02	12.04	8.46e-02	857.39	6.0	0.0	0.0
12	108.562	0.009	0.043	0.21	1.45e-03	0.13	8.79e-04	5205.63	36.6	0.0	0.0
Risulta				1.421e+04		1.422e+04		6804.08			
In percentuale				99.91		99.94		47.83			

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) = 0.098 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.079 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	0.06	0.0	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	0.06	0.0	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	0.06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.626	0.079	0.075	0.0	0.0	1.202e+04	84.5	0.0	0.0	0.0	0.0
2	13.470	0.074	0.072	1.323e+04	93.0	0.0	0.0	3.60	2.53e-02	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
3	16.388	0.061	0.066	0.0	0.0	1103.62	7.8	0.0	0.0	0.0	0.0
4	37.586	0.027	0.051	0.0	0.0	864.20	6.1	0.0	0.0	0.0	0.0
5	39.988	0.025	0.050	889.90	6.3	0.0	0.0	94.50	0.7	0.0	0.0
6	48.833	0.020	0.048	0.0	0.0	88.13	0.6	0.0	0.0	0.0	0.0
7	69.876	0.014	0.046	0.0	0.0	109.66	0.8	0.0	0.0	0.0	0.0
8	76.429	0.013	0.045	84.03	0.6	0.0	0.0	110.40	0.8	0.0	0.0
9	82.817	0.012	0.045	0.0	0.0	10.42	7.33e-02	1.52e-06	0.0	0.0	0.0
10	99.272	0.010	0.044	0.0	0.0	21.72	0.2	1.76e-03	1.24e-05	0.0	0.0
11	104.266	0.010	0.043	6.88	4.84e-02	0.0	0.0	3941.62	27.7	0.0	0.0
12	112.250	0.009	0.043	1.67e-06	0.0	3.27	2.30e-02	5.47e-03	3.84e-05	0.0	0.0
Risulta				1.421e+04		1.422e+04		4150.13			
In percentuale				99.90		99.94		29.17			

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) = 0.098 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.077 sec.
			numero di modi considerati: 12
			combinaz. modale: CQC

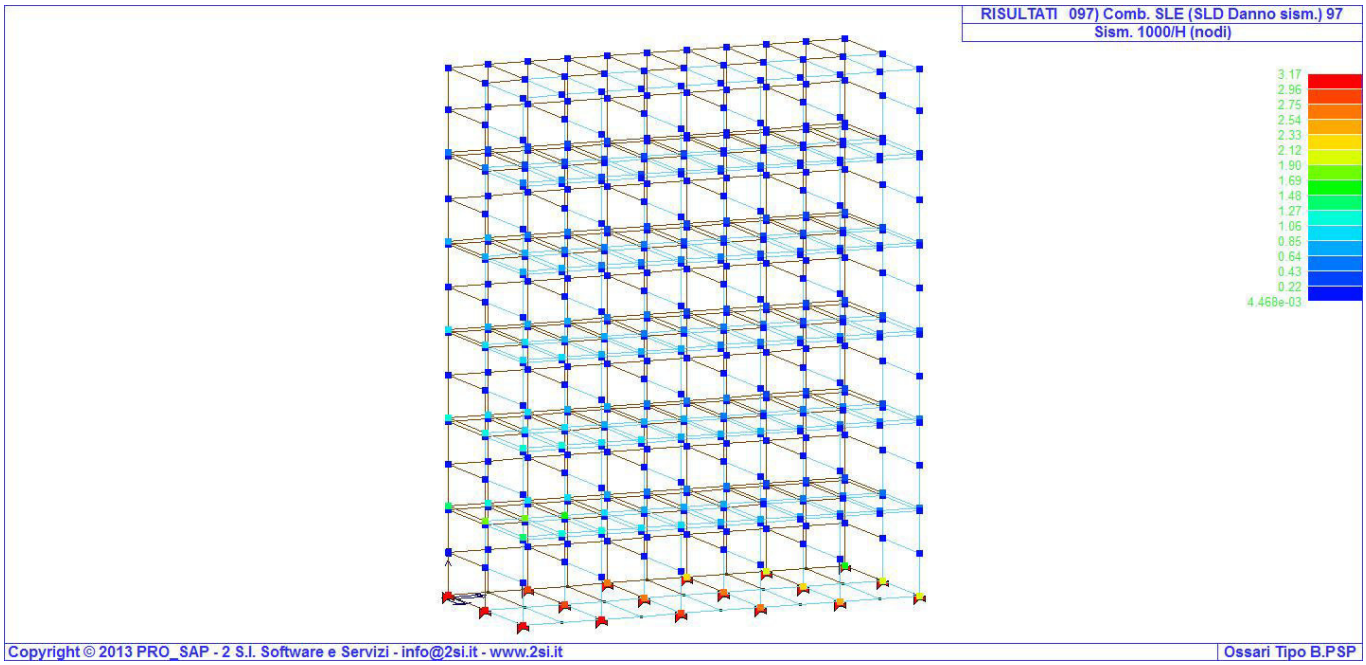
Quota	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	daN	m	m	m	m	m	m			
3.12	1180.69	0.51	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.774	0.0
2.87	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.62	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.60	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
2.35	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
2.10	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
2.08	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.83	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.58	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.56	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
1.31	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
1.06	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
1.04	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.79	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.54	1364.89	0.62	1.25	-0.06	0.0	0.55	1.25	1.168	0.072	0.0
0.52	564.89	0.47	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.626	0.0
0.27	338.75	0.36	1.25	-0.06	0.0	5.80e-04	1.25	0.365	1.250	0.0
0.02	1364.80	0.62	1.25	-0.06	0.0	0.55	1.25	1.288	0.066	0.0
0.0	0.11	0.55	1.25	-0.06	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1.423e+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	12.921	0.077	0.074	0.0	0.0	1.302e+04	91.5	0.0	0.0	0.0	0.0
2	13.471	0.074	0.072	1.323e+04	93.0	0.0	0.0	3.60	2.53e-02	0.0	0.0
3	16.029	0.062	0.067	0.0	0.0	119.67	0.8	0.0	0.0	0.0	0.0
4	38.910	0.026	0.051	0.0	0.0	924.13	6.5	0.0	0.0	0.0	0.0
5	39.988	0.025	0.050	889.97	6.3	0.0	0.0	94.50	0.7	0.0	0.0
6	47.188	0.021	0.049	0.0	0.0	12.93	9.09e-02	0.0	0.0	0.0	0.0
7	71.386	0.014	0.045	0.0	0.0	119.25	0.8	1.05e-06	0.0	0.0	0.0
8	76.432	0.013	0.045	84.08	0.6	0.0	0.0	110.45	0.8	0.0	0.0

Modo	Frequenza	Periodo	Acc. Spettrale	M efficace X x g	%	M efficace Y x g	%	M efficace Z x g	%	Energia	Energia x v
9	81.163	0.012	0.045	0.0	0.0	0.98	6.91e-03	0.0	0.0	0.0	0.0
10	101.424	0.010	0.044	0.0	0.0	23.45	0.2	5.72e-05	0.0	0.0	0.0
11	104.270	0.010	0.043	6.89	4.84e-02	0.0	0.0	3945.37	27.7	0.0	0.0
12	110.275	0.009	0.043	0.0	0.0	1.39	9.77e-03	4.86e-04	3.42e-06	0.0	0.0
Risulta				1.421e+04		1.422e+04		4153.92			
In percentuale				99.90		99.94		29.20			

Cmb	Pilas.	1000 etaT/h	etaT cm	inter. h cm	Pilas.	1000 etaT/h	etaT cm	inter. h cm	Pilas.	1000 etaT/h	etaT cm	inter. h cm
97	1	3.07	6.14e-03	2.0	2	1.33	2.66e-03	2.0	3	3.17	6.34e-03	2.0
	4	1.42	2.85e-03	2.0	5	2.83	5.66e-03	2.0	6	1.00	2.00e-03	2.0
	7	3.16	6.32e-03	2.0	8	1.12	2.25e-03	2.0	9	1.16	2.31e-03	2.0
	10	1.25	2.50e-03	2.0	11	1.78	3.57e-03	2.0	12	0.56	1.12e-03	2.0
	13	0.38	7.67e-04	2.0	14	0.57	1.14e-03	2.0	15	0.53	1.06e-03	2.0
	16	2.57	5.13e-03	2.0	17	0.74	1.47e-03	2.0	18	2.93	5.86e-03	2.0
	19	0.89	1.78e-03	2.0	20	0.86	1.72e-03	2.0	21	0.98	1.97e-03	2.0
	22	0.93	1.86e-03	2.0	23	2.26	4.53e-03	2.0	24	0.54	1.09e-03	2.0
	25	2.66	5.32e-03	2.0	26	0.72	1.43e-03	2.0	27	0.63	1.27e-03	2.0
	28	0.78	1.56e-03	2.0	29	0.73	1.46e-03	2.0	30	1.93	3.86e-03	2.0
	31	0.42	8.33e-04	2.0	32	2.36	4.72e-03	2.0	33	0.61	1.22e-03	2.0
	34	0.47	9.48e-04	2.0	35	0.65	1.29e-03	2.0	36	0.60	1.20e-03	2.0
	37	1.62	3.23e-03	2.0	38	0.36	7.27e-04	2.0	39	2.09	4.17e-03	2.0
	40	1.15	2.30e-03	2.0	41	1.23	2.45e-03	2.0	42	0.90	1.80e-03	2.0
	43	1.00	1.99e-03	2.0	44	1.01	2.02e-03	2.0	45	1.10	2.19e-03	2.0
	46	1.05	2.09e-03	2.0	47	0.48	9.51e-04	2.0	48	0.33	6.61e-04	2.0
	49	0.49	9.88e-04	2.0	50	0.45	9.02e-04	2.0	51	0.70	1.39e-03	2.0
	52	0.81	1.61e-03	2.0	53	0.79	1.58e-03	2.0	54	0.89	1.78e-03	2.0
	55	0.84	1.68e-03	2.0	56	0.52	1.04e-03	2.0	57	0.65	1.30e-03	2.0
	58	0.60	1.20e-03	2.0	59	0.72	1.44e-03	2.0	60	0.67	1.34e-03	2.0
	61	0.38	7.58e-04	2.0	62	0.53	1.07e-03	2.0	63	0.44	8.83e-04	2.0
	64	0.58	1.17e-03	2.0	65	0.54	1.08e-03	2.0	66	0.30	6.01e-04	2.0
	67	0.97	1.94e-03	2.0	68	1.04	2.07e-03	2.0	69	0.74	1.49e-03	2.0
	70	0.83	1.65e-03	2.0	71	0.85	1.69e-03	2.0	72	0.92	1.84e-03	2.0
	73	0.87	1.74e-03	2.0	74	0.40	8.05e-04	2.0	75	0.28	5.62e-04	2.0
	76	0.41	8.23e-04	2.0	77	0.38	7.54e-04	2.0	78	0.57	1.14e-03	2.0
	79	0.66	1.32e-03	2.0	80	0.65	1.30e-03	2.0	81	0.73	1.47e-03	2.0
	82	0.68	1.37e-03	2.0	83	0.42	8.45e-04	2.0	84	0.53	1.06e-03	2.0
	85	0.49	9.75e-04	2.0	86	0.59	1.18e-03	2.0	87	0.54	1.09e-03	2.0
	88	0.31	6.26e-04	2.0	89	0.44	8.78e-04	2.0	90	0.36	7.20e-04	2.0
	91	0.48	9.55e-04	2.0	92	0.44	8.78e-04	2.0	93	0.27	5.34e-04	2.0
	94	0.74	1.49e-03	2.0	95	0.80	1.59e-03	2.0	96	0.55	1.11e-03	2.0
	97	0.62	1.24e-03	2.0	98	0.64	1.28e-03	2.0	99	0.70	1.40e-03	2.0
	100	0.65	1.30e-03	2.0	101	0.31	6.19e-04	2.0	102	0.22	4.41e-04	2.0
	103	0.31	6.17e-04	2.0	104	0.29	5.76e-04	2.0	105	0.41	8.23e-04	2.0
	106	0.49	9.73e-04	2.0	107	0.48	9.51e-04	2.0	108	0.55	1.09e-03	2.0
	109	0.50	9.97e-04	2.0	110	0.30	6.07e-04	2.0	111	0.39	7.75e-04	2.0
	112	0.35	7.02e-04	2.0	113	0.43	8.61e-04	2.0	114	0.39	7.84e-04	2.0
	115	0.23	4.67e-04	2.0	116	0.32	6.46e-04	2.0	117	0.26	5.23e-04	2.0
	118	0.35	6.97e-04	2.0	119	0.32	6.41e-04	2.0	120	0.22	4.44e-04	2.0
	121	0.47	9.47e-04	2.0	122	0.51	1.02e-03	2.0	123	0.33	6.69e-04	2.0
	124	0.38	7.63e-04	2.0	125	0.40	7.98e-04	2.0	126	0.44	8.81e-04	2.0
	127	0.40	8.01e-04	2.0	128	0.20	4.05e-04	2.0	129	0.15	2.99e-04	2.0
	130	0.19	3.84e-04	2.0	131	0.19	3.70e-04	2.0	132	0.24	4.75e-04	2.0
	133	0.29	5.80e-04	2.0	134	0.28	5.63e-04	2.0	135	0.33	6.61e-04	2.0
	136	0.29	5.82e-04	2.0	137	0.17	3.47e-04	2.0	138	0.23	4.56e-04	2.0
	139	0.20	4.02e-04	2.0	140	0.25	5.08e-04	2.0	141	0.23	4.51e-04	2.0
	142	0.14	2.88e-04	2.0	143	0.19	3.88e-04	2.0	144	0.15	3.08e-04	2.0
...												
128	181	0.24	4.77e-04	2.0	182	0.22	4.41e-04	2.0	183	0.24	4.71e-04	2.0

Cmb	1000 etaT/h
	3.27


RISULTATI 097) Comb. SLE (SLD Danno sism.) 97
Sism. 1000/H (nodi)
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0.85
0.64
0.43
0.22
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Ossari Tipo B.PSP

Fig. 3

RISULTATI NODALI

LEGENDA RISULTATI NODALI

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

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

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

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

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
1	1	1.67e-04	6.79e-04	-1.09e-03	-8.72e-06	5.66e-06	0.0
1	2	2.42e-04	6.83e-04	-1.38e-03	-1.30e-05	8.48e-06	0.0
1	3	1.71e-04	6.79e-04	-1.10e-03	-9.00e-06	5.82e-06	0.0
1	4	2.46e-04	6.84e-04	-1.40e-03	-1.33e-05	8.64e-06	0.0
1	5	1.43e-04	-6.64e-04	-1.50e-04	-8.18e-06	5.70e-06	0.0
1	6	2.18e-04	-6.59e-04	-4.46e-04	-1.25e-05	8.52e-06	0.0
1	7	1.47e-04	-6.63e-04	-1.66e-04	-8.46e-06	5.86e-06	0.0
1	8	2.23e-04	-6.59e-04	-4.62e-04	-1.27e-05	8.68e-06	0.0
1	9	1.78e-04	6.79e-04	-1.12e-03	-9.43e-06	6.06e-06	0.0
1	10	2.53e-04	6.84e-04	-1.42e-03	-1.37e-05	8.88e-06	0.0
1	11	1.82e-04	6.80e-04	-1.14e-03	-9.71e-06	6.22e-06	0.0
1	12	2.58e-04	6.84e-04	-1.44e-03	-1.40e-05	9.04e-06	0.0
1	13	1.54e-04	-6.63e-04	-1.89e-04	-8.89e-06	6.10e-06	0.0
1	14	2.30e-04	-6.59e-04	-4.85e-04	-1.32e-05	8.92e-06	0.0
1	15	1.59e-04	-6.63e-04	-2.05e-04	-9.18e-06	6.26e-06	0.0
1	16	2.34e-04	-6.59e-04	-5.01e-04	-1.35e-05	9.08e-06	0.0
1	17	1.31e-04	6.77e-04	-9.43e-04	-6.77e-06	4.35e-06	0.0
1	18	2.06e-04	6.82e-04	-1.24e-03	-1.10e-05	7.17e-06	0.0
1	19	1.35e-04	6.77e-04	-9.58e-04	-7.05e-06	4.51e-06	0.0
1	20	2.11e-04	6.82e-04	-1.25e-03	-1.13e-05	7.33e-06	0.0
1	21	1.07e-04	-6.65e-04	-7.20e-06	-6.23e-06	4.39e-06	0.0
1	22	1.83e-04	-6.61e-04	-3.03e-04	-1.05e-05	7.21e-06	0.0
1	23	1.12e-04	-6.65e-04	-2.31e-05	-6.52e-06	4.55e-06	0.0
1	24	1.87e-04	-6.61e-04	-3.19e-04	-1.08e-05	7.37e-06	0.0
1	25	1.42e-04	6.78e-04	-9.82e-04	-7.48e-06	4.75e-06	0.0
1	26	2.18e-04	6.82e-04	-1.28e-03	-1.18e-05	7.57e-06	0.0
1	27	1.47e-04	6.78e-04	-9.98e-04	-7.77e-06	4.91e-06	0.0
1	28	2.22e-04	6.82e-04	-1.29e-03	-1.20e-05	7.73e-06	0.0
1	29	1.18e-04	-6.65e-04	-4.69e-05	-6.94e-06	4.79e-06	0.0
1	30	1.94e-04	-6.61e-04	-3.43e-04	-1.12e-05	7.61e-06	0.0
1	31	1.23e-04	-6.65e-04	-6.27e-05	-7.23e-06	4.95e-06	0.0
1	32	1.98e-04	-6.60e-04	-3.59e-04	-1.15e-05	7.77e-06	0.0
1	33	1.74e-04	1.13e-03	-1.40e-03	-8.89e-06	5.64e-06	0.0
1	34	2.50e-04	1.13e-03	-1.69e-03	-1.32e-05	8.46e-06	0.0
1	35	1.79e-04	1.13e-03	-1.41e-03	-9.18e-06	5.80e-06	0.0
1	36	2.54e-04	1.13e-03	-1.71e-03	-1.35e-05	8.62e-06	0.0
1	37	1.35e-04	-1.11e-03	1.62e-04	-8.00e-06	5.72e-06	0.0
1	38	2.10e-04	-1.11e-03	-1.34e-04	-1.23e-05	8.53e-06	0.0
1	39	1.39e-04	-1.11e-03	1.46e-04	-8.29e-06	5.88e-06	0.0
1	40	2.15e-04	-1.11e-03	-1.50e-04	-1.26e-05	8.70e-06	0.0
1	41	1.86e-04	1.13e-03	-1.44e-03	-9.61e-06	6.04e-06	0.0
1	42	2.61e-04	1.13e-03	-1.73e-03	-1.39e-05	8.86e-06	0.0
1	43	1.90e-04	1.13e-03	-1.45e-03	-9.89e-06	6.21e-06	0.0
1	44	2.66e-04	1.13e-03	-1.75e-03	-1.42e-05	9.02e-06	0.0
1	45	1.46e-04	-1.11e-03	1.22e-04	-8.71e-06	6.12e-06	0.0
1	46	2.22e-04	-1.11e-03	-1.74e-04	-1.30e-05	8.94e-06	0.0
1	47	1.51e-04	-1.11e-03	1.07e-04	-9.00e-06	6.28e-06	0.0
1	48	2.26e-04	-1.11e-03	-1.89e-04	-1.33e-05	9.10e-06	0.0
...							
552	203	4.83e-03	2.42e-06	-2.47e-03	0.0	2.54e-05	0.0
Nodo		**Traslazione X**	**Traslazione Y**	**Traslazione Z**	**Rotazione X**	**Rotazione Y**	**Rotazione Z**
		-0.02	-0.02	-0.01	-6.21e-05	-4.99e-05	-9.33e-05
		0.03	0.02	4.04e-03	6.21e-05	4.31e-05	9.33e-05

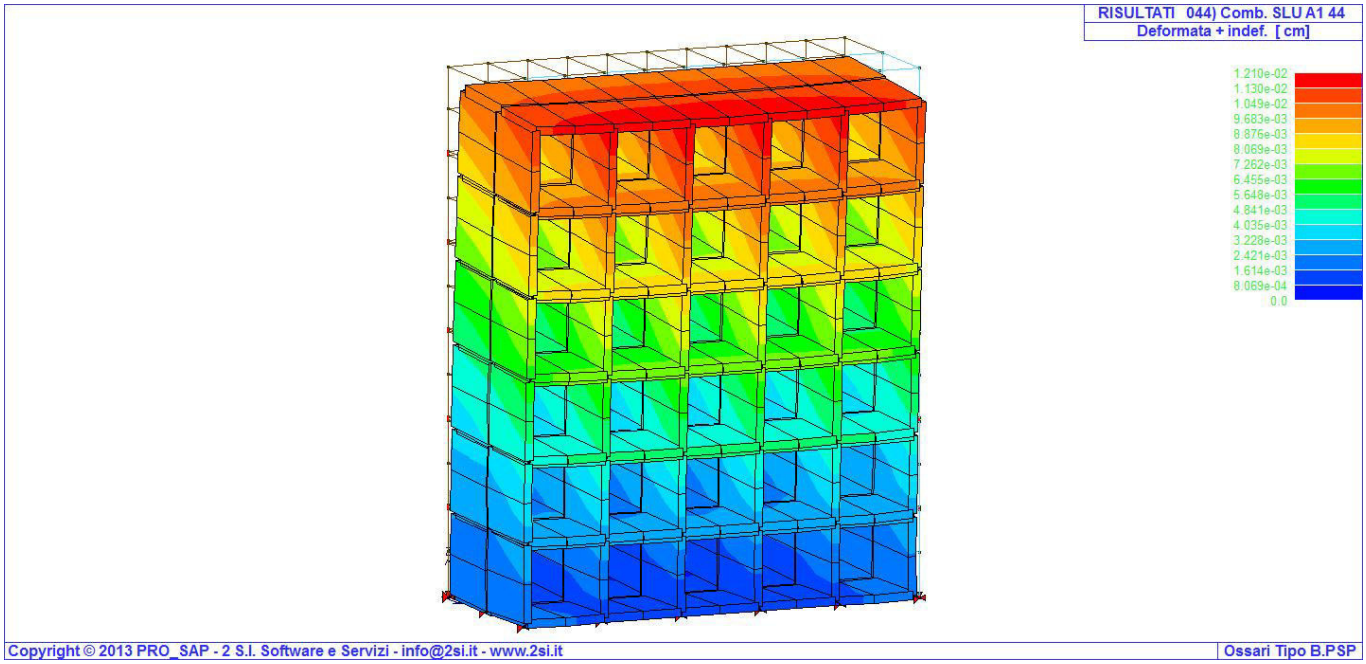


Fig. 4

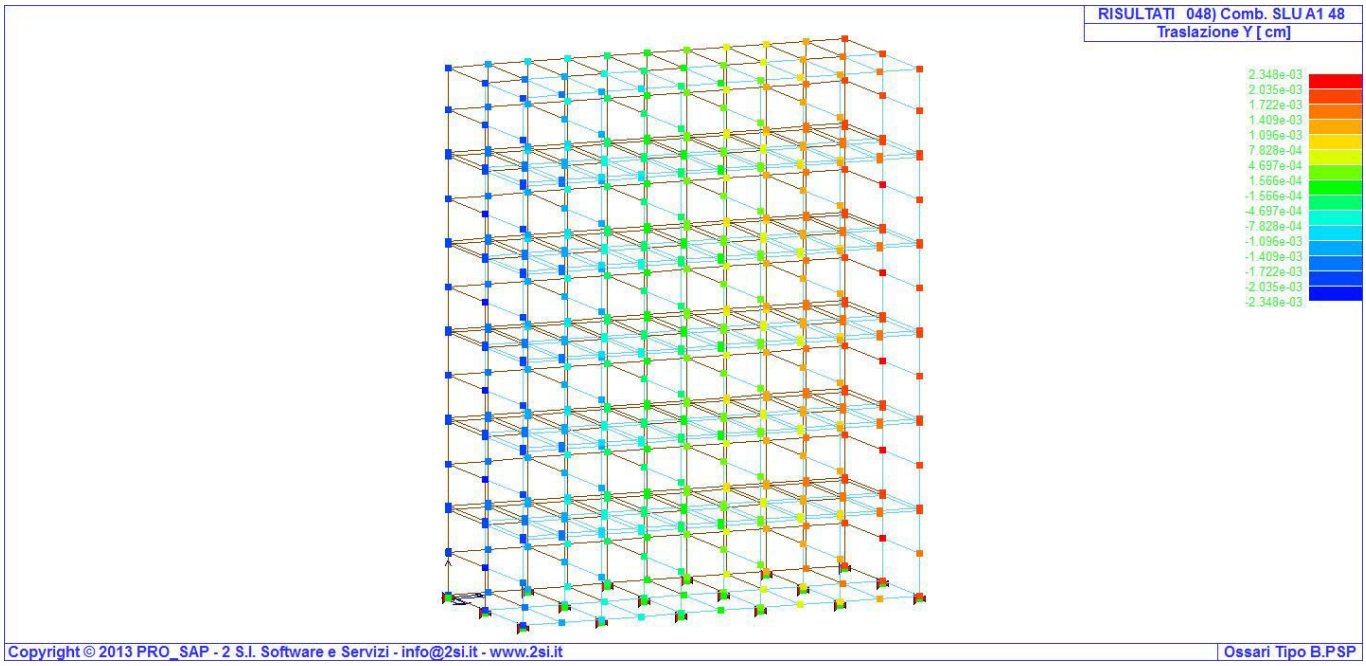


Fig. 5

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
11	1	0.0	0.0	-471.98	0.0	0.0	0.0
11	2	0.0	0.0	-715.14	0.0	0.0	0.0
11	3	0.0	0.0	-483.62	0.0	0.0	0.0
11	4	0.0	0.0	-726.79	0.0	0.0	0.0

11	5	0.0	0.0	-471.73	0.0	0.0	0.0
11	6	0.0	0.0	-714.90	0.0	0.0	0.0
11	7	0.0	0.0	-483.38	0.0	0.0	0.0
11	8	0.0	0.0	-726.55	0.0	0.0	0.0
11	9	0.0	0.0	-501.09	0.0	0.0	0.0
11	10	0.0	0.0	-744.26	0.0	0.0	0.0
11	11	0.0	0.0	-512.74	0.0	0.0	0.0
11	12	0.0	0.0	-755.90	0.0	0.0	0.0
11	13	0.0	0.0	-500.85	0.0	0.0	0.0
11	14	0.0	0.0	-744.01	0.0	0.0	0.0
11	15	0.0	0.0	-512.49	0.0	0.0	0.0
11	16	0.0	0.0	-755.66	0.0	0.0	0.0
11	17	0.0	0.0	-363.09	0.0	0.0	0.0
11	18	0.0	0.0	-606.25	0.0	0.0	0.0
11	19	0.0	0.0	-374.73	0.0	0.0	0.0
11	20	0.0	0.0	-617.90	0.0	0.0	0.0
11	21	0.0	0.0	-362.84	0.0	0.0	0.0
11	22	0.0	0.0	-606.01	0.0	0.0	0.0
11	23	0.0	0.0	-374.49	0.0	0.0	0.0
11	24	0.0	0.0	-617.66	0.0	0.0	0.0
11	25	0.0	0.0	-392.20	0.0	0.0	0.0
11	26	0.0	0.0	-635.37	0.0	0.0	0.0
11	27	0.0	0.0	-403.85	0.0	0.0	0.0
11	28	0.0	0.0	-647.01	0.0	0.0	0.0
11	29	0.0	0.0	-391.96	0.0	0.0	0.0
11	30	0.0	0.0	-635.12	0.0	0.0	0.0
11	31	0.0	0.0	-403.60	0.0	0.0	0.0
11	32	0.0	0.0	-646.77	0.0	0.0	0.0
11	33	0.0	0.0	-472.06	0.0	0.0	0.0
11	34	0.0	0.0	-715.22	0.0	0.0	0.0
11	35	0.0	0.0	-483.70	0.0	0.0	0.0
11	36	0.0	0.0	-726.87	0.0	0.0	0.0
11	37	0.0	0.0	-471.65	0.0	0.0	0.0
11	38	0.0	0.0	-714.82	0.0	0.0	0.0
11	39	0.0	0.0	-483.30	0.0	0.0	0.0
11	40	0.0	0.0	-726.46	0.0	0.0	0.0
11	41	0.0	0.0	-501.17	0.0	0.0	0.0
11	42	0.0	0.0	-744.34	0.0	0.0	0.0
11	43	0.0	0.0	-512.82	0.0	0.0	0.0
11	44	0.0	0.0	-755.98	0.0	0.0	0.0
11	45	0.0	0.0	-500.77	0.0	0.0	0.0
11	46	0.0	0.0	-743.93	0.0	0.0	0.0
11	47	0.0	0.0	-512.41	0.0	0.0	0.0
11	48	0.0	0.0	-755.58	0.0	0.0	0.0
...							
129	203	0.0	0.0	-636.54	0.0	0.0	0.0
Nodo		**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		-759.84	-646.82	-1759.61	-648.77	-759.98	-0.90
		759.84	646.82	-5.27e-03	648.77	760.25	0.90

Nodo	**Cmb**	**Azione X**	**Azione Y**	**Azione Z**	**Azione RX**	**Azione RY**	**Azione RZ**
		daN	daN	daN	daN cm	daN cm	daN cm
11	44	0.0	0.0	-755.98	0.0	0.0	0.0
	53	0.0	0.0	-362.76	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
13	65	0.0	0.0	-1325.46	0.0	0.0	0.0
	68	0.0	0.0	-244.24	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
19	84	0.0	0.0	-1607.37	0.0	0.0	0.0
	91	0.0	0.0	-5.27e-03	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
20	44	0.0	168.58	-460.66	-168.64	0.19	0.03
	85	293.10	535.67	-218.54	-536.99	293.55	-0.60
	91	-253.28	642.27	-247.47	-643.71	-253.21	-0.03
	90	253.28	-646.82	-388.50	648.77	253.46	0.11

	68	-759.84	-59.19	-246.16	59.64	-759.98	0.58
	65	759.84	55.96	-378.76	-55.95	760.25	-0.49
21	44	0.0	0.0	-1442.99	0.0	0.0	0.0
	68	0.0	0.0	-605.77	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
26	84	0.0	0.0	-1759.61	0.0	0.0	0.0
	81	0.0	0.0	-174.90	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
41	44	0.0	0.0	-755.98	0.0	0.0	0.0
	53	0.0	0.0	-362.76	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
	1	0.0	0.0	-471.98	0.0	0.0	0.0
44	44	0.0	-168.58	-460.66	168.64	0.19	-0.03
	82	293.10	-535.67	-218.54	536.99	293.55	0.60
	93	253.28	646.82	-388.50	-648.77	253.46	-0.11
	96	-253.28	-642.27	-247.47	643.71	-253.21	0.03
	75	-759.84	59.19	-246.16	-59.64	-759.98	-0.58
	74	759.84	-55.96	-378.76	55.95	760.25	0.49
55	48	0.0	0.0	-808.79	0.0	0.0	0.0
	49	0.0	0.0	-384.79	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
64	44	0.0	0.0	-1442.99	0.0	0.0	0.0
	75	0.0	0.0	-605.77	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
	1	0.0	0.0	-926.58	0.0	0.0	0.0
65	48	0.0	0.0	-1524.48	0.0	0.0	0.0
	49	0.0	0.0	-742.26	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
70	44	0.0	0.0	-1743.55	0.0	0.0	0.0
	65	0.0	0.0	-780.84	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
74	87	0.0	0.0	-1759.61	0.0	0.0	0.0
	86	0.0	0.0	-174.90	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
	1	0.0	0.0	-1047.19	0.0	0.0	0.0
96	74	0.0	0.0	-1325.46	0.0	0.0	0.0
	75	0.0	0.0	-244.24	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
	1	0.0	0.0	-750.96	0.0	0.0	0.0
98	48	0.0	0.0	-808.79	0.0	0.0	0.0
	49	0.0	0.0	-384.79	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
	1	0.0	0.0	-500.77	0.0	0.0	0.0
108	48	0.0	0.0	-1524.48	0.0	0.0	0.0
	49	0.0	0.0	-742.26	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
	1	0.0	0.0	-966.75	0.0	0.0	0.0
113	44	0.0	0.0	-1743.55	0.0	0.0	0.0
	74	0.0	0.0	-780.84	0.0	0.0	0.0

	1	0.0	0.0	-1124.53	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
	1	0.0	0.0	-1124.53	0.0	0.0	0.0
129	87	0.0	0.0	-1607.37	0.0	0.0	0.0
	96	0.0	0.0	-5.28e-03	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0
	1	0.0	0.0	-611.51	0.0	0.0	0.0

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

Gli elementi vengono suddivisi, in relazione alle proprietà in elementi:

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

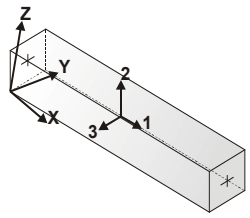
Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

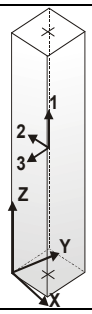
Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga)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

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

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



orientamento elementi 2D non verticali



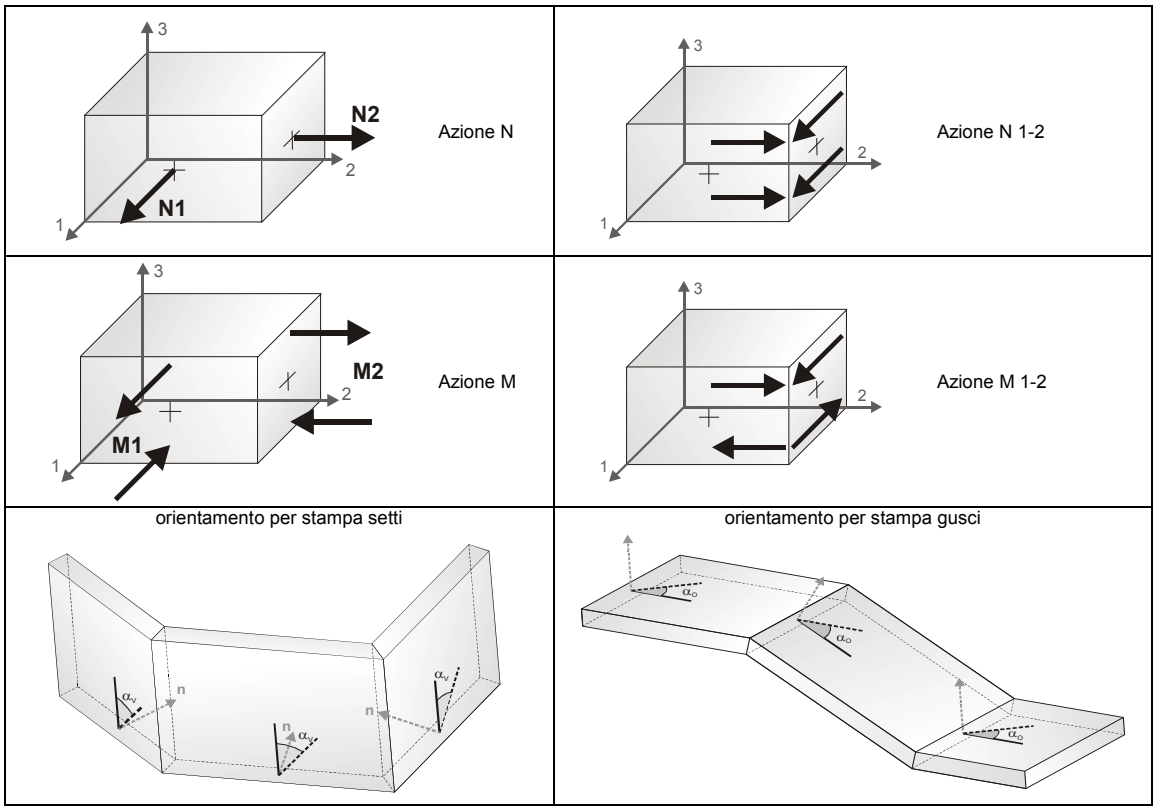
orientamento elementi 2D verticali

Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1	1	0.0	0.0	0.0	0.0	0.0	-611.51	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-611.50	0.0	0.0	0.0	0.0	0.0
1	2	0.0	0.0	0.0	0.0	0.0	-857.21	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-857.19	0.0	0.0	0.0	0.0	0.0
1	3	0.0	0.0	0.0	0.0	0.0	-625.36	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-625.34	0.0	0.0	0.0	0.0	0.0
1	4	0.0	0.0	0.0	0.0	0.0	-871.05	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-871.03	0.0	0.0	0.0	0.0	0.0
1	5	0.0	0.0	0.0	0.0	0.0	-635.62	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-635.60	0.0	0.0	0.0	0.0	0.0
1	6	0.0	0.0	0.0	0.0	0.0	-881.31	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-881.29	0.0	0.0	0.0	0.0	0.0
1	7	0.0	0.0	0.0	0.0	0.0	-649.46	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-649.45	0.0	0.0	0.0	0.0	0.0
1	8	0.0	0.0	0.0	0.0	0.0	-895.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-895.14	0.0	0.0	0.0	0.0	0.0
1	9	0.0	0.0	0.0	0.0	0.0	-646.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-646.11	0.0	0.0	0.0	0.0	0.0
1	10	0.0	0.0	0.0	0.0	0.0	-891.81	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-891.80	0.0	0.0	0.0	0.0	0.0
1	11	0.0	0.0	0.0	0.0	0.0	-659.97	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-659.95	0.0	0.0	0.0	0.0	0.0
1	12	0.0	0.0	0.0	0.0	0.0	-905.66	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-905.64	0.0	0.0	0.0	0.0	0.0
1	13	0.0	0.0	0.0	0.0	0.0	-670.23	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-670.21	0.0	0.0	0.0	0.0	0.0
1	14	0.0	0.0	0.0	0.0	0.0	-915.92	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-915.90	0.0	0.0	0.0	0.0	0.0
1	15	0.0	0.0	0.0	0.0	0.0	-684.07	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-684.05	0.0	0.0	0.0	0.0	0.0
1	16	0.0	0.0	0.0	0.0	0.0	-929.76	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-929.75	0.0	0.0	0.0	0.0	0.0
1	17	0.0	0.0	0.0	0.0	0.0	-467.61	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-467.60	0.0	0.0	0.0	0.0	0.0
1	18	0.0	0.0	0.0	0.0	0.0	-713.31	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-713.29	0.0	0.0	0.0	0.0	0.0
1	19	0.0	0.0	0.0	0.0	0.0	-481.46	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-481.45	0.0	0.0	0.0	0.0	0.0
1	20	0.0	0.0	0.0	0.0	0.0	-727.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-727.14	0.0	0.0	0.0	0.0	0.0
1	21	0.0	0.0	0.0	0.0	0.0	-491.72	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-491.71	0.0	0.0	0.0	0.0	0.0
1	22	0.0	0.0	0.0	0.0	0.0	-737.41	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-737.40	0.0	0.0	0.0	0.0	0.0
1	23	0.0	0.0	0.0	0.0	0.0	-505.56	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-505.55	0.0	0.0	0.0	0.0	0.0
1	24	0.0	0.0	0.0	0.0	0.0	-751.25	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	2.0	-751.24	0.0	0.0	0.0	0.0	0.0
...												
183	203	-8.03	-0.68	-4.81e-06	0.0	2.0	-73.65	-7.99	0.62	-0.02	0.57	-8.03
Pilas.		**M3 mx/mn**	**M2 mx/mn**	**D 2 / D 3**	**Q 2 / Q 3**		**N**	**V 2**	**V 3**	**T**		
		-760.25	-648.77	-7.76e-03	0.0		-1759.61	-759.84	-646.82	-0.90		
		759.98	648.77	7.76e-03	0.0		7.53e-03	759.84	646.82	0.90		

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 **N1-2** **M2**	**N2** **M1** **M1-2**	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la 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

Macro	Tipo	Angolo 1-Z (gradi)
1	**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
1	1	27.00	-915.99	104.52	-17.06	-7809.37	207.81	34.99
1	1	52.00	-852.10	-2.70	-24.49	-6409.24	-278.90	36.81
1	2	27.00	-1294.45	152.66	-25.31	-1.123e+04	305.72	32.38
1	2	52.00	-1211.12	-0.95	-36.14	-9137.22	-403.85	64.06
1	3	27.00	-941.35	106.94	-17.17	-8023.43	207.78	34.37
1	3	52.00	-876.62	-3.20	-24.79	-6594.23	-283.27	38.81
1	4	27.00	-1319.81	155.07	-25.42	-1.144e+04	305.70	31.76
1	4	52.00	-1235.65	-1.44	-36.45	-9322.20	-408.21	66.07
1	5	27.00	-909.13	105.09	-17.16	-7816.22	200.73	30.10
1	5	52.00	-852.18	-8.42	-25.03	-6366.82	-293.44	39.35
1	6	27.00	-1287.59	153.23	-25.41	-1.123e+04	298.64	27.48
1	6	52.00	-1211.20	-6.66	-36.68	-9094.80	-418.39	66.61
1	7	27.00	-934.49	107.50	-17.28	-8030.28	200.70	29.47
1	7	52.00	-876.70	-8.91	-25.33	-6551.81	-297.81	41.35
1	8	27.00	-1312.95	155.64	-25.53	-1.145e+04	298.61	26.86
1	8	52.00	-1235.73	-7.16	-36.98	-9279.79	-422.76	68.61
1	9	27.00	-979.38	110.55	-17.34	-8344.52	207.74	33.43
1	9	52.00	-913.41	-3.94	-25.25	-6871.70	-289.82	41.82
1	10	27.00	-1357.84	158.69	-25.59	-1.176e+04	305.65	30.82
1	10	52.00	-1272.44	-2.18	-36.90	-9599.68	-414.76	69.07
1	11	27.00	-1004.74	112.96	-17.45	-8558.59	207.71	32.81
1	11	52.00	-937.94	-4.43	-25.55	-7056.69	-294.18	43.82
1	12	27.00	-1383.20	161.10	-25.71	-1.198e+04	305.63	30.19
1	12	52.00	-1296.97	-2.68	-37.20	-9784.66	-419.13	71.08
1	13	27.00	-972.52	111.12	-17.45	-8351.38	200.66	28.53
1	13	52.00	-913.49	-9.65	-25.79	-6829.28	-304.36	44.36
1	14	27.00	-1350.98	159.26	-25.70	-1.177e+04	298.57	25.92
1	14	52.00	-1272.52	-7.90	-37.44	-9557.26	-429.31	71.62
1	15	27.00	-997.88	113.53	-17.56	-8565.44	200.63	27.91
1	15	52.00	-938.02	-10.15	-26.09	-7014.27	-308.73	46.36
1	16	27.00	-1376.34	161.67	-25.81	-1.198e+04	298.54	25.30
1	16	52.00	-1297.04	-8.39	-37.74	-9742.25	-433.68	73.62
1	17	27.00	-705.40	80.34	-13.11	-6006.42	160.67	27.48
1	17	52.00	-655.45	-1.42	-18.78	-4935.08	-212.86	28.02
1	18	27.00	-1083.86	128.47	-21.36	-9424.60	258.58	24.87
1	18	52.00	-1014.48	0.34	-30.43	-7663.06	-337.81	55.28
1	19	27.00	-730.76	82.75	-13.22	-6220.48	160.64	26.86
1	19	52.00	-679.98	-1.91	-19.08	-5120.06	-217.23	30.02
1	20	27.00	-1109.22	130.88	-21.47	-9638.66	258.56	24.25
1	20	52.00	-1039.00	-0.16	-30.73	-7848.04	-342.17	57.28
1	21	27.00	-698.54	80.91	-13.21	-6013.27	153.59	22.59
1	21	52.00	-655.53	-7.13	-19.32	-4892.66	-227.40	30.56
1	22	27.00	-1077.00	129.04	-21.46	-9431.45	251.50	19.97
1	22	52.00	-1014.56	-5.38	-30.97	-7620.64	-352.35	57.82
1	23	27.00	-723.90	83.32	-13.33	-6227.33	153.56	21.96
1	23	52.00	-680.06	-7.63	-19.62	-5077.65	-231.77	32.57
1	24	27.00	-1102.36	131.45	-21.58	-9645.51	251.47	19.35
1	24	52.00	-1039.08	-5.87	-31.27	-7805.62	-356.72	59.82
...								
1	203	52.00	-892.75	-4.26	-25.83	-6714.10	-294.92	47.57
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1626.12	-174.29	-37.92	-1.402e+04	-438.52	-19.02
			-270.74	283.67	-12.57	-2361.65	308.09	74.47

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	27.00	-522.14	-194.88	-12.50	5181.13	49.31	17.08
2	1	52.00	-460.58	-36.85	0.40	1748.42	-111.39	-55.62
2	2	27.00	-713.33	-297.69	-18.95	7714.74	72.61	29.99
2	2	52.00	-649.29	-65.24	0.79	2567.80	-169.46	-81.48
2	3	27.00	-535.39	-199.33	-12.91	5297.93	51.37	18.04
2	3	52.00	-473.10	-37.26	0.35	1788.78	-115.46	-57.35
2	4	27.00	-726.58	-302.14	-19.36	7831.55	74.67	30.95
2	4	52.00	-661.81	-65.65	0.74	2608.16	-173.53	-83.21
2	5	27.00	-520.98	-187.94	-14.98	5124.83	77.35	30.56
2	5	52.00	-460.03	-33.00	-0.61	1755.33	-131.59	-46.38
2	6	27.00	-712.17	-290.75	-21.42	7658.44	100.65	43.47
2	6	52.00	-648.74	-61.39	-0.22	2574.72	-189.66	-72.24
2	7	27.00	-534.24	-192.39	-15.39	5241.63	79.41	31.52
2	7	52.00	-472.55	-33.41	-0.66	1795.70	-135.67	-48.11
2	8	27.00	-725.43	-295.20	-21.83	7775.24	102.71	44.42
2	8	52.00	-661.26	-61.80	-0.27	2615.08	-193.74	-73.97

2	9	27.00	-555.27	-206.00	-13.52	5473.13	54.46	19.48
2	9	52.00	-491.87	-37.88	0.28	1849.33	-121.57	-59.95
2	10	27.00	-746.46	-308.81	-19.97	8006.75	77.76	32.38
2	10	52.00	-680.58	-66.27	0.67	2668.71	-179.64	-85.81
2	11	27.00	-568.53	-210.45	-13.93	5589.94	56.52	20.44
2	11	52.00	-504.39	-38.29	0.23	1889.69	-125.65	-61.68
2	12	27.00	-759.72	-313.26	-20.38	8123.55	79.82	33.34
2	12	52.00	-693.10	-66.68	0.63	2709.07	-183.72	-87.54
2	13	27.00	-554.12	-199.07	-16.00	5416.83	82.50	32.96
2	13	52.00	-491.33	-34.03	-0.73	1856.25	-141.78	-50.71
2	14	27.00	-745.31	-301.87	-22.44	7950.45	105.80	45.86
2	14	52.00	-680.03	-62.42	-0.34	2675.63	-199.85	-76.57
2	15	27.00	-567.37	-203.52	-16.40	5533.63	84.56	33.92
2	15	52.00	-503.84	-34.44	-0.78	1896.61	-145.85	-52.44
2	16	27.00	-758.56	-306.32	-22.85	8067.25	107.86	46.82
2	16	52.00	-692.55	-62.84	-0.38	2715.99	-203.92	-78.30
2	17	27.00	-401.78	-150.71	-9.33	3991.98	34.69	11.59
2	17	52.00	-354.36	-28.79	0.42	1344.14	-83.35	-43.85
2	18	27.00	-592.97	-253.52	-15.78	6525.60	57.99	24.49
2	18	52.00	-543.06	-57.18	0.82	2163.52	-141.42	-69.71
2	19	27.00	-415.03	-155.16	-9.74	4108.78	36.76	12.54
2	19	52.00	-366.87	-29.20	0.38	1384.50	-87.43	-45.58
2	20	27.00	-606.22	-257.97	-16.19	6642.40	60.05	25.45
2	20	52.00	-555.58	-57.59	0.77	2203.88	-145.50	-71.44
2	21	27.00	-400.62	-143.77	-11.81	3935.68	62.74	25.06
2	21	52.00	-353.81	-24.94	-0.59	1351.06	-103.55	-34.61
2	22	27.00	-591.81	-246.58	-18.25	6469.29	86.03	37.97
2	22	52.00	-542.52	-53.33	-0.19	2170.44	-161.63	-60.47
2	23	27.00	-413.88	-148.22	-12.21	4052.48	64.80	26.02
2	23	52.00	-366.33	-25.35	-0.63	1391.42	-107.63	-36.34
2	24	27.00	-605.07	-251.03	-18.66	6586.09	88.09	38.93
2	24	52.00	-555.03	-53.74	-0.24	2210.80	-165.70	-62.20
...								
2	203	52.00	-478.09	-42.78	0.04	1859.95	-132.03	-56.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-859.42	-315.57	-24.08	-997.03	-336.50	-144.50
			-69.56	24.42	19.59	8995.66	303.98	201.21

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

M_S	**Cmb**	**Z**	**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
		cm	daN	daN	daN	daN cm	daN cm	daN cm
3	1	27.00	-1147.59	182.54	8.16e-04	-1.086e+04	-21.55	-8.85
3	1	52.00	-1072.20	31.13	-2.72	-7946.09	-45.99	17.39
3	2	27.00	-1662.94	280.08	-0.63	-1.621e+04	-25.28	-10.21
3	2	52.00	-1557.08	58.21	-4.78	-1.170e+04	-77.61	24.27
3	3	27.00	-1179.09	187.01	-0.11	-1.115e+04	-20.81	-8.93
3	3	52.00	-1102.26	31.62	-2.90	-8165.04	-48.41	17.90
3	4	27.00	-1694.44	284.54	-0.74	-1.649e+04	-24.54	-10.29
3	4	52.00	-1587.14	58.70	-4.96	-1.192e+04	-80.04	24.78
3	5	27.00	-1149.98	181.41	-1.41	-1.085e+04	-2.55	-7.81
3	5	52.00	-1072.25	32.89	-4.31	-7955.02	-59.73	16.91
3	6	27.00	-1665.33	278.95	-2.04	-1.619e+04	-6.28	-9.18
3	6	52.00	-1557.14	59.97	-6.37	-1.171e+04	-91.35	23.79
3	7	27.00	-1181.48	185.88	-1.52	-1.113e+04	-1.81	-7.89
3	7	52.00	-1102.31	33.38	-4.49	-8173.97	-62.15	17.42
3	8	27.00	-1696.83	283.41	-2.15	-1.648e+04	-5.54	-9.25
3	8	52.00	-1587.19	60.46	-6.55	-1.193e+04	-93.78	24.30
3	9	27.00	-1226.34	193.70	-0.27	-1.158e+04	-19.70	-9.04
3	9	52.00	-1147.34	32.36	-3.17	-8493.47	-52.06	18.66
3	10	27.00	-1741.69	291.24	-0.90	-1.692e+04	-23.43	-10.41
3	10	52.00	-1632.23	59.44	-5.24	-1.225e+04	-83.68	25.54
3	11	27.00	-1257.84	198.17	-0.38	-1.186e+04	-18.97	-9.12
3	11	52.00	-1177.40	32.85	-3.35	-8712.42	-54.49	19.16
3	12	27.00	-1773.19	295.70	-1.01	-1.721e+04	-22.70	-10.49
3	12	52.00	-1662.29	59.93	-5.42	-1.247e+04	-86.11	26.05
3	13	27.00	-1228.73	192.57	-1.68	-1.156e+04	-0.70	-8.01
3	13	52.00	-1147.39	34.12	-4.76	-8502.39	-65.80	18.18
3	14	27.00	-1744.08	290.11	-2.31	-1.691e+04	-4.43	-9.37
3	14	52.00	-1632.28	61.20	-6.83	-1.226e+04	-97.42	25.06
3	15	27.00	-1260.23	197.04	-1.79	-1.185e+04	0.03	-8.09
3	15	52.00	-1177.45	34.61	-4.94	-8721.34	-68.23	18.68
3	16	27.00	-1775.58	294.57	-2.42	-1.719e+04	-3.70	-9.45
3	16	52.00	-1662.34	61.69	-7.01	-1.247e+04	-99.85	25.57
3	17	27.00	-882.49	140.55	0.16	-8357.42	-18.77	-6.92
3	17	52.00	-824.76	23.74	-1.91	-6111.35	-33.79	13.43
3	18	27.00	-1397.83	238.08	-0.47	-1.370e+04	-22.50	-8.29
3	18	52.00	-1309.65	50.82	-3.97	-9863.96	-65.41	20.31
3	19	27.00	-913.99	145.01	0.06	-8643.71	-18.03	-7.00

3	19	52.00	-854.82	24.23	-2.09	-6330.30	-36.22	13.94
3	20	27.00	-1429.33	242.55	-0.57	-1.399e+04	-21.76	-8.37
3	20	52.00	-1339.71	51.31	-4.15	-1.008e+04	-67.84	20.82
3	21	27.00	-884.88	139.42	-1.25	-8342.76	0.23	-5.89
3	21	52.00	-824.81	25.50	-3.50	-6120.27	-47.53	12.95
3	22	27.00	-1400.22	236.95	-1.88	-1.369e+04	-3.50	-7.25
3	22	52.00	-1309.70	52.58	-5.56	-9872.89	-79.15	19.83
3	23	27.00	-916.38	143.88	-1.36	-8629.06	0.97	-5.97
3	23	52.00	-854.87	26.00	-3.68	-6339.22	-49.96	13.46
3	24	27.00	-1431.73	241.42	-1.99	-1.397e+04	-2.76	-7.33
3	24	52.00	-1339.76	53.07	-5.74	-1.009e+04	-81.58	20.34
...								
3	203	52.00	-1139.50	39.98	-4.14	-8525.91	-62.06	17.81
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1776.38	-28.86	-21.77	-1.721e+04	-255.16	-64.02
			-684.91	318.85	19.48	-4856.78	195.81	43.43

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	27.00	-2907.29	0.0	-26.10	0.0	443.12	0.0
7	1	52.00	-2843.22	0.0	-13.98	0.0	-60.36	0.0
7	2	27.00	-4120.47	0.0	-42.86	0.0	717.84	0.0
7	2	52.00	-4044.66	0.0	-25.52	0.0	-140.41	0.0
7	3	27.00	-2980.55	0.0	-26.85	0.0	454.23	0.0
7	3	52.00	-2918.21	0.0	-14.27	0.0	-62.30	0.0
7	4	27.00	-4193.73	0.0	-43.61	0.0	728.95	0.0
7	4	52.00	-4119.65	0.0	-25.80	0.0	-142.36	0.0
7	5	27.00	-2898.66	0.0	-23.32	0.0	428.87	0.0
7	5	52.00	-2841.26	0.0	-14.34	0.0	-45.82	0.0
7	6	27.00	-4111.84	0.0	-40.07	0.0	703.59	0.0
7	6	52.00	-4042.69	0.0	-25.88	0.0	-125.87	0.0
7	7	27.00	-2971.92	0.0	-24.07	0.0	439.98	0.0
7	7	52.00	-2916.25	0.0	-14.63	0.0	-47.76	0.0
7	8	27.00	-4185.09	0.0	-40.82	0.0	714.70	0.0
7	8	52.00	-4117.68	0.0	-26.16	0.0	-127.82	0.0
7	9	27.00	-3090.44	0.0	-27.98	0.0	470.90	0.0
7	9	52.00	-3030.70	0.0	-14.70	0.0	-65.22	0.0
7	10	27.00	-4303.61	0.0	-44.73	0.0	745.62	0.0
7	10	52.00	-4232.13	0.0	-26.23	0.0	-145.27	0.0
7	11	27.00	-3163.69	0.0	-28.73	0.0	482.01	0.0
7	11	52.00	-3105.69	0.0	-14.98	0.0	-67.17	0.0
7	12	27.00	-4376.87	0.0	-45.49	0.0	756.73	0.0
7	12	52.00	-4307.12	0.0	-26.52	0.0	-147.22	0.0
7	13	27.00	-3081.80	0.0	-25.19	0.0	456.65	0.0
7	13	52.00	-3028.73	0.0	-15.06	0.0	-50.68	0.0
7	14	27.00	-4294.98	0.0	-41.95	0.0	731.37	0.0
7	14	52.00	-4230.16	0.0	-26.59	0.0	-130.73	0.0
7	15	27.00	-3155.06	0.0	-25.95	0.0	467.76	0.0
7	15	52.00	-3103.72	0.0	-15.34	0.0	-52.63	0.0
7	16	27.00	-4368.24	0.0	-42.70	0.0	742.48	0.0
7	16	52.00	-4305.16	0.0	-26.88	0.0	-132.68	0.0
7	17	27.00	-2237.38	0.0	-20.40	0.0	342.51	0.0
7	17	52.00	-2187.32	0.0	-10.71	0.0	-48.11	0.0
7	18	27.00	-3450.55	0.0	-37.15	0.0	617.23	0.0
7	18	52.00	-3388.75	0.0	-22.25	0.0	-128.16	0.0
7	19	27.00	-2310.63	0.0	-21.15	0.0	353.62	0.0
7	19	52.00	-2262.31	0.0	-11.00	0.0	-50.05	0.0
7	20	27.00	-3523.81	0.0	-37.91	0.0	628.34	0.0
7	20	52.00	-3463.74	0.0	-22.53	0.0	-130.10	0.0
7	21	27.00	-2228.74	0.0	-17.61	0.0	328.26	0.0
7	21	52.00	-2185.35	0.0	-11.07	0.0	-33.57	0.0
7	22	27.00	-3441.92	0.0	-34.37	0.0	602.97	0.0
7	22	52.00	-3386.79	0.0	-22.61	0.0	-113.62	0.0
7	23	27.00	-2302.00	0.0	-18.37	0.0	339.37	0.0
7	23	52.00	-2260.35	0.0	-11.36	0.0	-35.51	0.0
7	24	27.00	-3515.18	0.0	-35.12	0.0	614.08	0.0
7	24	52.00	-3461.78	0.0	-22.90	0.0	-115.56	0.0
...								
7	203	52.00	-2967.08	0.0	-17.58	0.0	-87.16	0.0
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-4379.75	-1045.08	-46.41	-1.304e+05	-152.06	-258.58
			-1790.24	1045.08	-8.53	1.304e+05	761.48	258.58

Macro	Tipo	Angolo 1-Z (gradi)
8	**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
8	1	27.00	-457.16	-75.15	-38.05	3400.88	185.37	35.01
8	1	52.00	-384.25	26.12	-0.64	1664.17	-327.11	-172.83
8	2	27.00	-617.91	-110.53	-59.95	4795.11	342.64	78.90
8	2	52.00	-527.04	33.70	-4.90	2226.81	-521.52	-254.06
8	3	27.00	-467.91	-77.21	-39.00	3474.58	189.37	36.79
8	3	52.00	-393.83	26.86	-0.69	1699.01	-336.47	-177.78
8	4	27.00	-628.65	-112.59	-60.90	4868.81	346.65	80.69
8	4	52.00	-536.62	34.45	-4.96	2261.65	-530.88	-259.01
8	5	27.00	-467.68	-89.35	-38.70	3591.72	155.93	60.87
8	5	52.00	-385.82	17.65	0.61	1621.58	-348.21	-165.72
8	6	27.00	-628.42	-124.73	-60.60	4985.95	313.21	104.77
8	6	52.00	-528.61	25.24	-3.66	2184.22	-542.63	-246.95
8	7	27.00	-478.42	-91.41	-39.65	3665.42	159.94	62.66
8	7	52.00	-395.40	18.40	0.55	1656.42	-357.58	-170.67
8	8	27.00	-639.17	-126.79	-61.55	5059.64	317.21	106.55
8	8	52.00	-538.19	25.98	-3.72	2219.06	-551.99	-251.90
8	9	27.00	-484.03	-80.29	-40.43	3585.13	195.38	39.47
8	9	52.00	-408.20	27.98	-0.78	1751.28	-350.52	-185.21
8	10	27.00	-644.77	-115.68	-62.33	4979.35	352.66	83.36
8	10	52.00	-550.99	35.57	-5.05	2313.92	-544.93	-266.44
8	11	27.00	-494.78	-82.35	-41.38	3658.82	199.38	41.25
8	11	52.00	-417.79	28.73	-0.84	1786.12	-359.89	-190.16
8	12	27.00	-655.52	-117.73	-63.28	5053.05	356.66	85.15
8	12	52.00	-560.58	36.31	-5.10	2348.76	-554.30	-271.39
8	13	27.00	-494.55	-94.49	-41.07	3775.96	165.94	65.33
8	13	52.00	-409.77	19.52	0.46	1708.69	-371.63	-178.09
8	14	27.00	-655.29	-129.88	-62.97	5170.19	323.22	109.23
8	14	52.00	-552.56	27.10	-3.80	2271.33	-566.04	-259.32
8	15	27.00	-505.29	-96.55	-42.02	3849.66	169.95	67.12
8	15	52.00	-419.35	20.26	0.41	1743.53	-381.00	-183.04
8	16	27.00	-666.04	-131.93	-63.92	5243.88	327.23	111.01
8	16	52.00	-562.14	27.85	-3.86	2306.17	-575.41	-264.27
8	17	27.00	-350.45	-56.17	-29.20	2594.04	145.99	23.94
8	17	52.00	-295.40	21.07	-0.63	1285.04	-249.18	-133.77
8	18	27.00	-511.20	-91.55	-51.10	3988.27	303.26	67.84
8	18	52.00	-438.19	28.65	-4.90	1847.68	-443.60	-215.00
8	19	27.00	-361.20	-58.23	-30.15	2667.74	149.99	25.73
8	19	52.00	-304.98	21.81	-0.69	1319.89	-258.55	-138.72
8	20	27.00	-521.94	-93.61	-52.05	4061.97	307.27	69.63
8	20	52.00	-447.77	29.40	-4.96	1882.52	-452.96	-219.95
8	21	27.00	-360.97	-70.37	-29.84	2784.88	116.55	49.81
8	21	52.00	-296.97	12.60	0.61	1242.45	-270.29	-126.66
8	22	27.00	-521.71	-105.75	-51.74	4179.11	273.83	93.71
8	22	52.00	-439.76	20.19	-3.66	1805.09	-464.70	-207.89
8	23	27.00	-371.71	-72.43	-30.79	2858.58	120.55	51.59
8	23	52.00	-306.55	13.35	0.55	1277.30	-279.66	-131.61
8	24	27.00	-532.46	-107.81	-52.69	4252.80	277.83	95.49
8	24	52.00	-449.34	20.93	-3.71	1839.94	-474.07	-212.83
...								
8	203	52.00	-390.22	22.27	-2.39	1628.86	-380.91	-182.77
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1149.42	-257.66	-75.30	-1735.67	-582.44	-310.33
			37.79	227.27	6.54	1.102e+04	401.51	213.84

Macro	Tipo	Angolo 1-Z (gradi)
10	**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
10	1	27.00	-457.16	-75.15	38.05	3400.88	-185.37	-35.01
10	1	52.00	-384.25	26.12	0.64	1664.17	327.11	172.83
10	2	27.00	-617.91	-110.53	59.95	4795.11	-342.64	-78.90
10	2	52.00	-527.04	33.70	4.90	2226.81	521.52	254.06
10	3	27.00	-467.91	-77.21	39.00	3474.58	-189.37	-36.79
10	3	52.00	-393.83	26.86	0.69	1699.01	336.47	177.78
10	4	27.00	-628.65	-112.59	60.90	4868.81	-346.65	-80.69
10	4	52.00	-536.62	34.45	4.96	2261.65	530.88	259.01
10	5	27.00	-467.68	-89.35	38.70	3591.72	-155.93	-60.87
10	5	52.00	-385.82	17.65	-0.61	1621.58	348.21	165.72
10	6	27.00	-628.42	-124.73	60.60	4985.95	-313.21	-104.77
10	6	52.00	-528.61	25.24	3.66	2184.22	542.63	246.95
10	7	27.00	-478.42	-91.41	39.65	3665.42	-159.94	-62.66

10	7	52.00	-395.40	18.40	-0.55	1656.42	357.58	170.67
10	8	27.00	-639.17	-126.79	61.55	5059.64	-317.21	-106.55
10	8	52.00	-538.19	25.98	3.72	2219.06	551.99	251.90
10	9	27.00	-484.03	-80.29	40.43	3585.13	-195.38	-39.47
10	9	52.00	-408.20	27.98	0.78	1751.28	350.52	185.21
10	10	27.00	-644.77	-115.68	62.33	4979.35	-352.66	-83.36
10	10	52.00	-550.99	35.57	5.05	2313.92	544.93	266.44
10	11	27.00	-494.78	-82.35	41.38	3658.82	-199.38	-41.25
10	11	52.00	-417.79	28.73	0.84	1786.12	359.89	190.16
10	12	27.00	-655.52	-117.73	63.28	5053.05	-356.66	-85.15
10	12	52.00	-560.58	36.31	5.10	2348.76	554.30	271.39
10	13	27.00	-494.55	-94.49	41.07	3775.96	-165.94	-65.33
10	13	52.00	-409.77	19.52	-0.46	1708.69	371.63	178.09
10	14	27.00	-655.29	-129.88	62.97	5170.19	-323.22	-109.23
10	14	52.00	-552.56	27.10	3.80	2271.33	566.04	259.32
10	15	27.00	-505.29	-96.55	42.02	3849.66	-169.95	-67.12
10	15	52.00	-419.35	20.26	-0.41	1743.53	381.00	183.04
10	16	27.00	-666.04	-131.93	63.92	5243.88	-327.23	-111.01
10	16	52.00	-562.14	27.85	3.86	2306.17	575.41	264.27
10	17	27.00	-350.45	-56.17	29.20	2594.04	-145.99	-23.94
10	17	52.00	-295.40	21.07	0.63	1285.04	249.18	133.77
10	18	27.00	-511.20	-91.55	51.10	3988.27	-303.26	-67.84
10	18	52.00	-438.19	28.65	4.90	1847.68	443.60	215.00
10	19	27.00	-361.20	-58.23	30.15	2667.74	-149.99	-25.73
10	19	52.00	-304.98	21.81	0.69	1319.89	258.55	138.72
10	20	27.00	-521.94	-93.61	52.05	4061.97	-307.27	-69.63
10	20	52.00	-447.77	29.40	4.96	1882.52	452.96	219.95
10	21	27.00	-360.97	-70.37	29.84	2784.88	-116.55	-49.81
10	21	52.00	-296.97	12.60	-0.61	1242.45	270.29	126.66
10	22	27.00	-521.71	-105.75	51.74	4179.11	-273.83	-93.71
10	22	52.00	-439.76	20.19	3.66	1805.09	464.70	207.89
10	23	27.00	-371.71	-72.43	30.79	2858.58	-120.55	-51.59
10	23	52.00	-306.55	13.35	-0.55	1277.30	279.66	131.61
10	24	27.00	-532.46	-107.81	52.69	4252.80	-277.83	-95.49
10	24	52.00	-449.34	20.93	3.71	1839.94	474.07	212.83
...								
10	203	52.00	-390.22	22.27	2.39	1628.86	380.91	182.77
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1149.42	-257.66	-6.54	-1735.67	-401.51	-213.84
			37.79	227.27	75.30	1.102e+04	582.44	310.33

Macro	Tipo	Angolo 1-Z (gradi)
11	**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
11	1	27.00	-559.00	-204.57	-2.29	5403.83	8.77	3.08
11	1	52.00	-503.36	-42.65	0.04	1749.53	-21.20	-10.61
11	2	27.00	-774.83	-311.87	-3.75	8104.67	15.77	6.15
11	2	52.00	-718.26	-71.95	0.03	2595.89	-34.25	-15.39
11	3	27.00	-574.09	-209.66	-2.38	5534.89	9.19	3.32
11	3	52.00	-517.85	-43.34	0.04	1793.49	-22.19	-11.02
11	4	27.00	-789.91	-316.96	-3.85	8235.73	16.19	6.39
11	4	52.00	-732.74	-72.64	0.02	2639.86	-35.24	-15.79
11	5	27.00	-552.49	-196.23	-2.55	5326.68	12.11	6.51
11	5	52.00	-501.19	-37.85	-0.28	1752.87	-26.28	-9.15
11	6	27.00	-768.31	-303.54	-4.01	8027.52	19.10	9.58
11	6	52.00	-716.09	-67.15	-0.30	2599.24	-39.34	-13.93
11	7	27.00	-567.57	-201.32	-2.64	5457.73	12.53	6.75
11	7	52.00	-515.67	-38.54	-0.29	1796.84	-27.28	-9.55
11	8	27.00	-783.40	-308.63	-4.11	8158.58	19.52	9.82
11	8	52.00	-730.57	-67.85	-0.31	2643.20	-40.33	-14.33
11	9	27.00	-596.71	-217.29	-2.53	5731.47	9.83	3.67
11	9	52.00	-539.58	-44.38	0.03	1859.44	-23.68	-11.62
11	10	27.00	-812.53	-324.60	-3.99	8432.32	16.82	6.74
11	10	52.00	-754.47	-73.68	8.67e-03	2705.81	-36.74	-16.40
11	11	27.00	-611.79	-222.38	-2.63	5862.53	10.25	3.91
11	11	52.00	-554.06	-45.07	0.02	1903.40	-24.68	-12.02
11	12	27.00	-827.62	-329.69	-4.09	8563.37	17.25	6.98
11	12	52.00	-768.96	-74.37	2.10e-03	2749.77	-37.73	-16.80
11	13	27.00	-590.20	-208.96	-2.79	5654.32	13.16	7.10
11	13	52.00	-537.40	-39.58	-0.30	1862.78	-28.77	-10.16
11	14	27.00	-806.02	-316.26	-4.25	8355.16	20.16	10.17
11	14	52.00	-752.30	-68.88	-0.32	2709.15	-41.82	-14.93
11	15	27.00	-605.28	-214.05	-2.89	5785.38	13.58	7.34
11	15	52.00	-551.89	-40.27	-0.31	1906.75	-29.76	-10.56
11	16	27.00	-821.10	-321.35	-4.35	8486.22	20.58	10.41
11	16	52.00	-766.78	-69.58	-0.33	2753.11	-42.82	-15.34
11	17	27.00	-430.75	-158.32	-1.73	4165.70	6.36	1.97
11	17	52.00	-387.45	-33.36	0.07	1345.41	-15.72	-8.33

11	18	27.00	-646.58	-265.62	-3.19	6866.54	13.36	5.04
11	18	52.00	-602.35	-62.66	0.05	2191.77	-28.77	-13.11
11	19	27.00	-445.84	-163.41	-1.83	4296.75	6.79	2.21
11	19	52.00	-401.94	-34.05	0.07	1389.37	-16.71	-8.74
11	20	27.00	-661.66	-270.71	-3.29	6997.60	13.78	5.28
11	20	52.00	-616.83	-63.35	0.05	2235.74	-29.77	-13.51
11	21	27.00	-424.24	-149.99	-1.99	4088.54	9.70	5.40
11	21	52.00	-385.28	-28.56	-0.26	1348.75	-20.80	-6.87
11	22	27.00	-640.06	-257.29	-3.45	6789.38	16.69	8.47
11	22	52.00	-600.18	-57.86	-0.28	2195.11	-33.86	-11.65
11	23	27.00	-439.32	-155.08	-2.09	4219.60	10.12	5.64
11	23	52.00	-399.76	-29.25	-0.26	1392.71	-21.80	-7.27
11	24	27.00	-655.15	-262.38	-3.55	6920.44	17.11	8.71
11	24	52.00	-614.66	-58.56	-0.28	2239.08	-34.85	-12.05
...								
11	203	52.00	-528.02	-47.88	-0.11	1880.54	-27.08	-10.90
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-829.79	-332.46	-22.27	119.53	-200.67	-171.04
			-371.96	-14.75	24.86	8589.09	196.94	178.11

Macro	Tipo	Angolo 1-Z (gradi)
12	**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
12	1	27.00	-1212.44	199.15	-0.65	-1.137e+04	6.17	0.38
12	1	52.00	-1128.94	42.29	-1.12	-8164.47	-13.84	3.32
12	2	27.00	-1771.36	307.27	-1.06	-1.707e+04	10.28	0.66
12	2	52.00	-1652.61	75.14	-1.81	-1.211e+04	-21.97	5.35
12	3	27.00	-1247.19	204.28	-0.67	-1.168e+04	6.27	0.38
12	3	52.00	-1161.99	43.09	-1.16	-8399.74	-14.44	3.43
12	4	27.00	-1806.11	312.39	-1.08	-1.738e+04	10.38	0.66
12	4	52.00	-1685.66	75.94	-1.86	-1.234e+04	-22.57	5.45
12	5	27.00	-1216.88	202.38	-0.96	-1.140e+04	8.81	1.32
12	5	52.00	-1128.97	46.81	-1.42	-8181.33	-17.77	3.56
12	6	27.00	-1775.80	310.49	-1.37	-1.709e+04	12.92	1.59
12	6	52.00	-1652.64	79.66	-2.12	-1.213e+04	-25.91	5.58
12	7	27.00	-1251.63	207.50	-0.98	-1.171e+04	8.91	1.31
12	7	52.00	-1162.02	47.60	-1.46	-8416.60	-18.37	3.67
12	8	27.00	-1810.55	315.61	-1.39	-1.741e+04	13.02	1.59
12	8	52.00	-1685.69	80.45	-2.16	-1.236e+04	-26.51	5.69
12	9	27.00	-1299.32	211.96	-0.71	-1.216e+04	6.42	0.37
12	9	52.00	-1211.56	44.28	-1.23	-8752.64	-15.34	3.59
12	10	27.00	-1858.23	320.08	-1.12	-1.785e+04	10.53	0.65
12	10	52.00	-1735.23	77.13	-1.92	-1.270e+04	-23.48	5.62
12	11	27.00	-1334.07	217.09	-0.73	-1.247e+04	6.52	0.37
12	11	52.00	-1244.61	45.08	-1.27	-8987.91	-15.94	3.70
12	12	27.00	-1892.98	325.20	-1.14	-1.817e+04	10.63	0.64
12	12	52.00	-1768.28	77.93	-1.96	-1.293e+04	-24.08	5.73
12	13	27.00	-1303.76	215.19	-1.02	-1.218e+04	9.06	1.31
12	13	52.00	-1211.59	48.80	-1.53	-8769.50	-19.27	3.83
12	14	27.00	-1862.67	323.30	-1.43	-1.788e+04	13.17	1.58
12	14	52.00	-1735.26	81.65	-2.22	-1.271e+04	-27.41	5.86
12	15	27.00	-1338.51	220.31	-1.04	-1.250e+04	9.16	1.30
12	15	52.00	-1244.64	49.59	-1.57	-9004.77	-19.87	3.94
12	16	27.00	-1897.42	328.42	-1.45	-1.819e+04	13.27	1.58
12	16	52.00	-1768.31	82.44	-2.26	-1.295e+04	-28.01	5.96
12	17	27.00	-932.14	152.82	-0.46	-8743.22	4.44	0.19
12	17	52.00	-868.41	32.01	-0.83	-6278.42	-10.19	2.53
12	18	27.00	-1491.05	260.94	-0.88	-1.444e+04	8.55	0.46
12	18	52.00	-1392.08	64.86	-1.52	-1.022e+04	-18.33	4.55
12	19	27.00	-966.89	157.95	-0.49	-9057.48	4.54	0.18
12	19	52.00	-901.46	32.81	-0.87	-6513.69	-10.79	2.64
12	20	27.00	-1525.80	266.06	-0.90	-1.476e+04	8.65	0.46
12	20	52.00	-1425.13	65.66	-1.56	-1.046e+04	-18.93	4.66
12	21	27.00	-936.58	156.05	-0.77	-8768.67	7.08	1.12
12	21	52.00	-868.44	36.53	-1.13	-6295.28	-14.12	2.77
12	22	27.00	-1495.49	264.16	-1.19	-1.447e+04	11.19	1.40
12	22	52.00	-1392.11	69.38	-1.82	-1.024e+04	-22.26	4.79
12	23	27.00	-971.33	161.17	-0.80	-9082.93	7.18	1.12
12	23	52.00	-901.49	37.32	-1.17	-6530.54	-14.73	2.88
12	24	27.00	-1530.24	269.28	-1.21	-1.478e+04	11.29	1.39
12	24	52.00	-1425.16	70.17	-1.86	-1.047e+04	-22.86	4.90
...								
12	203	52.00	-1209.41	53.27	-1.43	-8829.37	-17.62	3.93
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1898.90	17.21	-20.25	-1.820e+04	-202.95	-48.45
			-853.05	329.50	19.23	-5990.95	187.20	46.75

Macro	Tipo	Angolo 1-Z (gradi)
13	**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
13	1	27.00	-559.00	-204.57	2.29	5403.83	-8.77	-3.08
13	1	52.00	-503.36	-42.65	-0.04	1749.53	21.20	10.61
13	2	27.00	-774.83	-311.87	3.75	8104.67	-15.77	-6.15
13	2	52.00	-718.26	-71.95	-0.03	2595.89	34.25	15.39
13	3	27.00	-574.09	-209.66	2.38	5534.89	-9.19	-3.32
13	3	52.00	-517.85	-43.34	-0.04	1793.49	22.19	11.02
13	4	27.00	-789.91	-316.96	3.85	8235.73	-16.19	-6.39
13	4	52.00	-732.74	-72.64	-0.02	2639.86	35.24	15.79
13	5	27.00	-552.49	-196.23	2.55	5326.68	-12.11	-6.51
13	5	52.00	-501.19	-37.85	0.28	1752.87	26.28	9.15
13	6	27.00	-768.31	-303.54	4.01	8027.52	-19.10	-9.58
13	6	52.00	-716.09	-67.15	0.30	2599.24	39.34	13.93
13	7	27.00	-567.57	-201.32	2.64	5457.73	-12.53	-6.75
13	7	52.00	-515.67	-38.54	0.29	1796.84	27.28	9.55
13	8	27.00	-783.40	-308.63	4.11	8158.58	-19.52	-9.82
13	8	52.00	-730.57	-67.85	0.31	2643.20	40.33	14.33
13	9	27.00	-596.71	-217.29	2.53	5731.47	-9.83	-3.67
13	9	52.00	-539.58	-44.38	-0.03	1859.44	23.68	11.62
13	10	27.00	-812.53	-324.60	3.99	8432.32	-16.82	-6.74
13	10	52.00	-754.47	-73.68	-8.67e-03	2705.81	36.74	16.40
13	11	27.00	-611.79	-222.38	2.63	5862.53	-10.25	-3.91
13	11	52.00	-554.06	-45.07	-0.02	1903.40	24.68	12.02
13	12	27.00	-827.62	-329.69	4.09	8563.37	-17.25	-6.98
13	12	52.00	-768.96	-74.37	-2.10e-03	2749.77	37.73	16.80
13	13	27.00	-590.20	-208.96	2.79	5654.32	-13.16	-7.10
13	13	52.00	-537.40	-39.58	0.30	1862.78	28.77	10.16
13	14	27.00	-806.02	-316.26	4.25	8355.16	-20.16	-10.17
13	14	52.00	-752.30	-68.88	0.32	2709.15	41.82	14.93
13	15	27.00	-605.28	-214.05	2.89	5785.38	-13.58	-7.34
13	15	52.00	-551.89	-40.27	0.31	1906.75	29.76	10.56
13	16	27.00	-821.10	-321.35	4.35	8486.22	-20.58	-10.41
13	16	52.00	-766.78	-69.58	0.33	2753.11	42.82	15.34
13	17	27.00	-430.75	-158.32	1.73	4165.70	-6.36	-1.97
13	17	52.00	-387.45	-33.36	-0.07	1345.41	15.72	8.33
13	18	27.00	-646.58	-265.62	3.19	6866.54	-13.36	-5.04
13	18	52.00	-602.35	-62.66	-0.05	2191.77	28.77	13.11
13	19	27.00	-445.84	-163.41	1.83	4296.75	-6.79	-2.21
13	19	52.00	-401.94	-34.05	-0.07	1389.37	16.71	8.74
13	20	27.00	-661.66	-270.71	3.29	6997.60	-13.78	-5.28
13	20	52.00	-616.83	-63.35	-0.05	2235.74	29.77	13.51
13	21	27.00	-424.24	-149.99	1.99	4088.54	-9.70	-5.40
13	21	52.00	-385.28	-28.56	0.26	1348.75	20.80	6.87
13	22	27.00	-640.06	-257.29	3.45	6789.38	-16.69	-8.47
13	22	52.00	-600.18	-57.86	0.28	2195.11	33.86	11.65
13	23	27.00	-439.32	-155.08	2.09	4219.60	-10.12	-5.64
13	23	52.00	-399.76	-29.25	0.26	1392.71	21.80	7.27
13	24	27.00	-655.15	-262.38	3.55	6920.44	-17.11	-8.71
13	24	52.00	-614.66	-58.56	0.28	2239.08	34.85	12.05
...								
13	203	52.00	-528.02	-47.88	0.11	1880.54	27.08	10.90
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-829.79	-332.46	-24.86	119.53	-196.94	-178.11
			-371.96	-14.75	22.27	8589.09	200.67	171.04

Macro	Tipo	Angolo 1-Z (gradi)
14	**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
14	1	27.00	-1212.44	199.15	0.65	-1.137e+04	-6.17	-0.38
14	1	52.00	-1128.94	42.29	1.12	-8164.47	13.84	-3.32
14	2	27.00	-1771.36	307.27	1.06	-1.707e+04	-10.28	-0.66
14	2	52.00	-1652.61	75.14	1.81	-1.211e+04	21.97	-5.35
14	3	27.00	-1247.19	204.28	0.67	-1.168e+04	-6.27	-0.38
14	3	52.00	-1161.99	43.09	1.16	-8399.74	14.44	-3.43
14	4	27.00	-1806.11	312.39	1.08	-1.738e+04	-10.38	-0.66
14	4	52.00	-1685.66	75.94	1.86	-1.234e+04	22.57	-5.45
14	5	27.00	-1216.88	202.38	0.96	-1.140e+04	-8.81	-1.32
14	5	52.00	-1128.97	46.81	1.42	-8181.33	17.77	-3.56
14	6	27.00	-1775.80	310.49	1.37	-1.709e+04	-12.92	-1.59

14	6	52.00	-1652.64	79.66	2.12	-1.213e+04	25.91	-5.58
14	7	27.00	-1251.63	207.50	0.98	-1.171e+04	-8.91	-1.31
14	7	52.00	-1162.02	47.60	1.46	-8416.60	18.37	-3.67
14	8	27.00	-1810.55	315.61	1.39	-1.741e+04	-13.02	-1.59
14	8	52.00	-1685.69	80.45	2.16	-1.236e+04	26.51	-5.69
14	9	27.00	-1299.32	211.96	0.71	-1.216e+04	-6.42	-0.37
14	9	52.00	-1211.56	44.28	1.23	-8752.64	15.34	-3.59
14	10	27.00	-1858.23	320.08	1.12	-1.785e+04	-10.53	-0.65
14	10	52.00	-1735.23	77.13	1.92	-1.270e+04	23.48	-5.62
14	11	27.00	-1334.07	217.09	0.73	-1.247e+04	-6.52	-0.37
14	11	52.00	-1244.61	45.08	1.27	-8987.91	15.94	-3.70
14	12	27.00	-1892.98	325.20	1.14	-1.817e+04	-10.63	-0.64
14	12	52.00	-1768.28	77.93	1.96	-1.293e+04	24.08	-5.73
14	13	27.00	-1303.76	215.19	1.02	-1.218e+04	-9.06	-1.31
14	13	52.00	-1211.59	48.80	1.53	-8769.50	19.27	-3.83
14	14	27.00	-1862.67	323.30	1.43	-1.788e+04	-13.17	-1.58
14	14	52.00	-1735.26	81.65	2.22	-1.271e+04	27.41	-5.86
14	15	27.00	-1338.51	220.31	1.04	-1.250e+04	-9.16	-1.30
14	15	52.00	-1244.64	49.59	1.57	-9004.77	19.87	-3.94
14	16	27.00	-1897.42	328.42	1.45	-1.819e+04	-13.27	-1.58
14	16	52.00	-1768.31	82.44	2.26	-1.295e+04	28.01	-5.96
14	17	27.00	-932.14	152.82	0.46	-8743.22	-4.44	-0.19
14	17	52.00	-868.41	32.01	0.83	-6278.42	10.19	-2.53
14	18	27.00	-1491.05	260.94	0.88	-1.444e+04	-8.55	-0.46
14	18	52.00	-1392.08	64.86	1.52	-1.022e+04	18.33	-4.55
14	19	27.00	-966.89	157.95	0.49	-9057.48	-4.54	-0.18
14	19	52.00	-901.46	32.81	0.87	-6513.69	10.79	-2.64
14	20	27.00	-1525.80	266.06	0.90	-1.476e+04	-8.65	-0.46
14	20	52.00	-1425.13	65.66	1.56	-1.046e+04	18.93	-4.66
14	21	27.00	-936.58	156.05	0.77	-8768.67	-7.08	-1.12
14	21	52.00	-868.44	36.53	1.13	-6295.28	14.12	-2.77
14	22	27.00	-1495.49	264.16	1.19	-1.447e+04	-11.19	-1.40
14	22	52.00	-1392.11	69.38	1.82	-1.024e+04	22.26	-4.79
14	23	27.00	-971.33	161.17	0.80	-9082.93	-7.18	-1.12
14	23	52.00	-901.49	37.32	1.17	-6530.54	14.73	-2.88
14	24	27.00	-1530.24	269.28	1.21	-1.478e+04	-11.29	-1.39
14	24	52.00	-1425.16	70.17	1.86	-1.047e+04	22.86	-4.90
...								
14	203	52.00	-1209.41	53.27	1.43	-8829.37	17.62	-3.93
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1898.90	17.21	-19.23	-1.820e+04	-187.20	-46.75
			-853.05	329.50	20.25	-5990.95	202.95	48.45

Macro	Tipo	Angolo 1-Z (gradi)
15	**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
15	1	27.00	-522.14	-194.88	12.50	5181.13	-49.31	-17.08
15	1	52.00	-460.58	-36.85	-0.40	1748.42	111.39	55.62
15	2	27.00	-713.33	-297.69	18.95	7714.74	-72.61	-29.99
15	2	52.00	-649.29	-65.24	-0.79	2567.80	169.46	81.48
15	3	27.00	-535.39	-199.33	12.91	5297.93	-51.37	-18.04
15	3	52.00	-473.10	-37.26	-0.35	1788.78	115.46	57.35
15	4	27.00	-726.58	-302.14	19.36	7831.55	-74.67	-30.95
15	4	52.00	-661.81	-65.65	-0.74	2608.16	173.53	83.21
15	5	27.00	-520.98	-187.94	14.98	5124.83	-77.35	-30.56
15	5	52.00	-460.03	-33.00	0.61	1755.33	131.59	46.38
15	6	27.00	-712.17	-290.75	21.42	7658.44	-100.65	-43.47
15	6	52.00	-648.74	-61.39	0.22	2574.72	189.66	72.24
15	7	27.00	-534.24	-192.39	15.39	5241.63	-79.41	-31.52
15	7	52.00	-472.55	-33.41	0.66	1795.70	135.67	48.11
15	8	27.00	-725.43	-295.20	21.83	7775.24	-102.71	-44.42
15	8	52.00	-661.26	-61.80	0.27	2615.08	193.74	73.97
15	9	27.00	-555.27	-206.00	13.52	5473.13	-54.46	-19.48
15	9	52.00	-491.87	-37.88	-0.28	1849.33	121.57	59.95
15	10	27.00	-746.46	-308.81	19.97	8006.75	-77.76	-32.38
15	10	52.00	-680.58	-66.27	-0.67	2668.71	179.64	85.81
15	11	27.00	-568.53	-210.45	13.93	5589.94	-56.52	-20.44
15	11	52.00	-504.39	-38.29	-0.23	1889.69	125.65	61.68
15	12	27.00	-759.72	-313.26	20.38	8123.55	-79.82	-33.34
15	12	52.00	-693.10	-66.68	-0.63	2709.07	183.72	87.54
15	13	27.00	-554.12	-199.07	16.00	5416.83	-82.50	-32.96
15	13	52.00	-491.33	-34.03	0.73	1856.25	141.78	50.71
15	14	27.00	-745.31	-301.87	22.44	7950.45	-105.80	-45.86
15	14	52.00	-680.03	-62.42	0.34	2675.63	199.85	76.57
15	15	27.00	-567.37	-203.52	16.40	5533.63	-84.56	-33.92
15	15	52.00	-503.84	-34.44	0.78	1896.61	145.85	52.44
15	16	27.00	-758.56	-306.32	22.85	8067.25	-107.86	-46.82
15	16	52.00	-692.55	-62.84	0.38	2715.99	203.92	78.30

15	17	27.00	-401.78	-150.71	9.33	3991.98	-34.69	-11.59
15	17	52.00	-354.36	-28.79	-0.42	1344.14	83.35	43.85
15	18	27.00	-592.97	-253.52	15.78	6525.60	-57.99	-24.49
15	18	52.00	-543.06	-57.18	-0.82	2163.52	141.42	69.71
15	19	27.00	-415.03	-155.16	9.74	4108.78	-36.76	-12.54
15	19	52.00	-366.87	-29.20	-0.38	1384.50	87.43	45.58
15	20	27.00	-606.22	-257.97	16.19	6642.40	-60.05	-25.45
15	20	52.00	-555.58	-57.59	-0.77	2203.88	145.50	71.44
15	21	27.00	-400.62	-143.77	11.81	3935.68	-62.74	-25.06
15	21	52.00	-353.81	-24.94	0.59	1351.06	103.55	34.61
15	22	27.00	-591.81	-246.58	18.25	6469.29	-86.03	-37.97
15	22	52.00	-542.52	-53.33	0.19	2170.44	161.63	60.47
15	23	27.00	-413.88	-148.22	12.21	4052.48	-64.80	-26.02
15	23	52.00	-366.33	-25.35	0.63	1391.42	107.63	36.34
15	24	27.00	-605.07	-251.03	18.66	6586.09	-88.09	-38.93
15	24	52.00	-555.03	-53.74	0.24	2210.80	165.70	62.20
...								
15	203	52.00	-478.09	-42.78	-0.04	1859.95	132.03	56.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-859.42	-315.57	-19.59	-997.03	-303.98	-201.21
			-69.56	24.42	24.08	8995.66	336.50	144.50

Macro	Tipo	Angolo 1-Z (gradi)
16	**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
16	1	27.00	-1147.59	182.54	-8.16e-04	-1.086e+04	21.55	8.85
16	1	52.00	-1072.20	31.13	2.72	-7946.09	45.99	-17.39
16	2	27.00	-1662.94	280.08	0.63	-1.621e+04	25.28	10.21
16	2	52.00	-1557.08	58.21	4.78	-1.170e+04	77.61	-24.27
16	3	27.00	-1179.09	187.01	0.11	-1.115e+04	20.81	8.93
16	3	52.00	-1102.26	31.62	2.90	-8165.04	48.41	-17.90
16	4	27.00	-1694.44	284.54	0.74	-1.649e+04	24.54	10.29
16	4	52.00	-1587.14	58.70	4.96	-1.192e+04	80.04	-24.78
16	5	27.00	-1149.98	181.41	1.41	-1.085e+04	2.55	7.81
16	5	52.00	-1072.25	32.89	4.31	-7955.02	59.73	-16.91
16	6	27.00	-1665.33	278.95	2.04	-1.619e+04	6.28	9.18
16	6	52.00	-1557.14	59.97	6.37	-1.171e+04	91.35	-23.79
16	7	27.00	-1181.48	185.88	1.52	-1.113e+04	1.81	7.89
16	7	52.00	-1102.31	33.38	4.49	-8173.97	62.15	-17.42
16	8	27.00	-1696.83	283.41	2.15	-1.648e+04	5.54	9.25
16	8	52.00	-1587.19	60.46	6.55	-1.193e+04	93.78	-24.30
16	9	27.00	-1226.34	193.70	0.27	-1.158e+04	19.70	9.04
16	9	52.00	-1147.34	32.36	3.17	-8493.47	52.06	-18.66
16	10	27.00	-1741.69	291.24	0.90	-1.692e+04	23.43	10.41
16	10	52.00	-1632.23	59.44	5.24	-1.225e+04	83.68	-25.54
16	11	27.00	-1257.84	198.17	0.38	-1.186e+04	18.97	9.12
16	11	52.00	-1177.40	32.85	3.35	-8712.42	54.49	-19.16
16	12	27.00	-1773.19	295.70	1.01	-1.721e+04	22.70	10.49
16	12	52.00	-1662.29	59.93	5.42	-1.247e+04	86.11	-26.05
16	13	27.00	-1228.73	192.57	1.68	-1.156e+04	0.70	8.01
16	13	52.00	-1147.39	34.12	4.76	-8502.39	65.80	-18.18
16	14	27.00	-1744.08	290.11	2.31	-1.691e+04	4.43	9.37
16	14	52.00	-1632.28	61.20	6.83	-1.226e+04	97.42	-25.06
16	15	27.00	-1260.23	197.04	1.79	-1.185e+04	-0.03	8.09
16	15	52.00	-1177.45	34.61	4.94	-8721.34	68.23	-18.68
16	16	27.00	-1775.58	294.57	2.42	-1.719e+04	3.70	9.45
16	16	52.00	-1662.34	61.69	7.01	-1.247e+04	99.85	-25.57
16	17	27.00	-882.49	140.55	-0.16	-8357.42	18.77	6.92
16	17	52.00	-824.76	23.74	1.91	-6111.35	33.79	-13.43
16	18	27.00	-1397.83	238.08	0.47	-1.370e+04	22.50	8.29
16	18	52.00	-1309.65	50.82	3.97	-9863.96	65.41	-20.31
16	19	27.00	-913.99	145.01	-0.06	-8643.71	18.03	7.00
16	19	52.00	-854.82	24.23	2.09	-6330.30	36.22	-13.94
16	20	27.00	-1429.33	242.55	0.57	-1.399e+04	21.76	8.37
16	20	52.00	-1339.71	51.31	4.15	-1.008e+04	67.84	-20.82
16	21	27.00	-884.88	139.42	1.25	-8342.76	-0.23	5.89
16	21	52.00	-824.81	25.50	3.50	-6120.27	47.53	-12.95
16	22	27.00	-1400.22	236.95	1.88	-1.369e+04	3.50	7.25
16	22	52.00	-1309.70	52.58	5.56	-9872.89	79.15	-19.83
16	23	27.00	-916.38	143.88	1.36	-8629.06	-0.97	5.97
16	23	52.00	-854.87	26.00	3.68	-6339.22	49.96	-13.46
16	24	27.00	-1431.73	241.42	1.99	-1.397e+04	2.76	7.33
16	24	52.00	-1339.76	53.07	5.74	-1.009e+04	81.58	-20.34
...								
16	203	52.00	-1139.50	39.98	4.14	-8525.91	62.06	-17.81
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1776.38	-28.86	-19.48	-1.721e+04	-195.81	-43.43
			-684.91	318.85	21.77	-4856.78	255.16	64.02

Macro	Tipo	Angolo 1-Z (gradi)
17	**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
17	1	27.00	-915.99	104.52	17.06	-7809.37	-207.81	-34.99
17	1	52.00	-852.10	-2.70	24.49	-6409.24	278.90	-36.81
17	2	27.00	-1294.45	152.66	25.31	-1.123e+04	-305.72	-32.38
17	2	52.00	-1211.12	-0.95	36.14	-9137.22	403.85	-64.06
17	3	27.00	-941.35	106.94	17.17	-8023.43	-207.78	-34.37
17	3	52.00	-876.62	-3.20	24.79	-6594.23	283.27	-38.81
17	4	27.00	-1319.81	155.07	25.42	-1.144e+04	-305.70	-31.76
17	4	52.00	-1235.65	-1.44	36.45	-9322.20	408.21	-66.07
17	5	27.00	-909.13	105.09	17.16	-7816.22	-200.73	-30.10
17	5	52.00	-852.18	-8.42	25.03	-6366.82	293.44	-39.35
17	6	27.00	-1287.59	153.23	25.41	-1.123e+04	-298.64	-27.48
17	6	52.00	-1211.20	-6.66	36.68	-9094.80	418.39	-66.61
17	7	27.00	-934.49	107.50	17.28	-8030.28	-200.70	-29.47
17	7	52.00	-876.70	-8.91	25.33	-6551.81	297.81	-41.35
17	8	27.00	-1312.95	155.64	25.53	-1.145e+04	-298.61	-26.86
17	8	52.00	-1235.73	-7.16	36.98	-9279.79	422.76	-68.61
17	9	27.00	-979.38	110.55	17.34	-8344.52	-207.74	-33.43
17	9	52.00	-913.41	-3.94	25.25	-6871.70	289.82	-41.82
17	10	27.00	-1357.84	158.69	25.59	-1.176e+04	-305.65	-30.82
17	10	52.00	-1272.44	-2.18	36.90	-9599.68	414.76	-69.07
17	11	27.00	-1004.74	112.96	17.45	-8558.59	-207.71	-32.81
17	11	52.00	-937.94	-4.43	25.55	-7056.69	294.18	-43.82
17	12	27.00	-1383.20	161.10	25.71	-1.198e+04	-305.63	-30.19
17	12	52.00	-1296.97	-2.68	37.20	-9784.66	419.13	-71.08
17	13	27.00	-972.52	111.12	17.45	-8351.38	-200.66	-28.53
17	13	52.00	-913.49	-9.65	25.79	-6829.28	304.36	-44.36
17	14	27.00	-1350.98	159.26	25.70	-1.177e+04	-298.57	-25.92
17	14	52.00	-1272.52	-7.90	37.44	-9557.26	429.31	-71.62
17	15	27.00	-997.88	113.53	17.56	-8565.44	-200.63	-27.91
17	15	52.00	-938.02	-10.15	26.09	-7014.27	308.73	-46.36
17	16	27.00	-1376.34	161.67	25.81	-1.198e+04	-298.54	-25.30
17	16	52.00	-1297.04	-8.39	37.74	-9742.25	433.68	-73.62
17	17	27.00	-705.40	80.34	13.11	-6006.42	-160.67	-27.48
17	17	52.00	-655.45	-1.42	18.78	-4935.08	212.86	-28.02
17	18	27.00	-1083.86	128.47	21.36	-9424.60	-258.58	-24.87
17	18	52.00	-1014.48	0.34	30.43	-7663.06	337.81	-55.28
17	19	27.00	-730.76	82.75	13.22	-6220.48	-160.64	-26.86
17	19	52.00	-679.98	-1.91	19.08	-5120.06	217.23	-30.02
17	20	27.00	-1109.22	130.88	21.47	-9638.66	-258.56	-24.25
17	20	52.00	-1039.00	-0.16	30.73	-7848.04	342.17	-57.28
17	21	27.00	-698.54	80.91	13.21	-6013.27	-153.59	-22.59
17	21	52.00	-655.53	-7.13	19.32	-4892.66	227.40	-30.56
17	22	27.00	-1077.00	129.04	21.46	-9431.45	-251.50	-19.97
17	22	52.00	-1014.56	-5.38	30.97	-7620.64	352.35	-57.82
17	23	27.00	-723.90	83.32	13.33	-6227.33	-153.56	-21.96
17	23	52.00	-680.06	-7.63	19.62	-5077.65	231.77	-32.57
17	24	27.00	-1102.36	131.45	21.58	-9645.51	-251.47	-19.35
17	24	52.00	-1039.08	-5.87	31.27	-7805.62	356.72	-59.82
...								
17	203	52.00	-892.75	-4.26	25.83	-6714.10	294.92	-47.57
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1626.12	-174.29	12.57	-1.402e+04	-308.09	-74.47
			-270.74	283.67	37.92	-2361.65	438.52	19.02

Macro	Tipo	Angolo 1-Z (gradi)
18	**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
18	1	54.00	-733.45	58.46	-11.99	-5260.36	31.77	-126.84
18	1	79.00	-743.33	58.46	-11.99	-5260.36	23.82	35.32
18	1	104.00	-697.34	-11.29	-12.41	-4876.26	-263.69	28.47
18	2	54.00	-1034.56	86.56	-17.55	-7557.67	42.68	-165.63
18	2	79.00	-1048.77	86.56	-17.55	-7557.67	31.13	38.39
18	2	104.00	-990.00	-12.06	-18.09	-6940.91	-381.12	59.01
18	3	54.00	-757.62	59.85	-12.08	-5433.54	28.98	-129.45
18	3	79.00	-767.78	59.85	-12.08	-5433.54	20.77	34.89

18	3	104.00	-721.34	-12.12	-12.51	-5045.92	-268.52	31.27
18	4	54.00	-1058.73	87.95	-17.63	-7730.85	39.89	-168.24
18	4	79.00	-1073.22	87.95	-17.63	-7730.85	28.08	37.96
18	4	104.00	-1014.00	-12.89	-18.19	-7110.57	-385.95	61.81
18	5	54.00	-735.84	58.71	-12.02	-5266.84	31.77	-126.31
18	5	79.00	-745.63	58.71	-12.02	-5266.84	23.84	35.43
18	5	104.00	-699.18	-10.72	-12.42	-4889.26	-264.11	28.33
18	6	54.00	-1036.95	86.81	-17.57	-7564.15	42.68	-165.10
18	6	79.00	-1051.07	86.81	-17.57	-7564.15	31.15	38.50
18	6	104.00	-991.83	-11.49	-18.11	-6953.91	-381.54	58.87
18	7	54.00	-760.00	60.10	-12.11	-5440.02	28.98	-128.92
18	7	79.00	-770.08	60.10	-12.11	-5440.02	20.79	35.00
18	7	104.00	-723.17	-11.55	-12.52	-5058.92	-268.94	31.14
18	8	54.00	-1061.11	88.20	-17.66	-7737.33	39.89	-167.70
18	8	79.00	-1075.52	88.20	-17.66	-7737.33	28.10	38.07
18	8	104.00	-1015.83	-12.32	-18.20	-7123.57	-386.37	61.67
18	9	54.00	-793.87	61.94	-12.21	-5693.31	24.80	-133.36
18	9	79.00	-804.45	61.94	-12.21	-5693.31	16.18	34.23
18	9	104.00	-757.33	-13.36	-12.65	-5300.41	-275.77	35.48
18	10	54.00	-1094.98	90.04	-17.76	-7990.62	35.70	-172.15
18	10	79.00	-1109.89	90.04	-17.76	-7990.62	23.49	37.30
18	10	104.00	-1049.99	-14.13	-18.34	-7365.06	-393.20	66.02
18	11	54.00	-818.04	63.33	-12.30	-5866.49	22.01	-135.97
18	11	79.00	-828.90	63.33	-12.30	-5866.49	13.12	33.80
18	11	104.00	-781.33	-14.19	-12.75	-5470.07	-280.60	38.28
18	12	54.00	-1119.15	91.43	-17.85	-8163.81	32.91	-174.76
18	12	79.00	-1134.34	91.43	-17.85	-8163.81	20.43	36.87
18	12	104.00	-1073.98	-14.96	-18.43	-7534.72	-398.03	68.82
18	13	54.00	-796.25	62.19	-12.24	-5699.79	24.79	-132.83
18	13	79.00	-806.75	62.19	-12.24	-5699.79	16.20	34.34
18	13	104.00	-759.16	-12.79	-12.67	-5313.41	-276.19	35.34
18	14	54.00	-1097.36	90.29	-17.79	-7997.10	35.70	-171.62
18	14	79.00	-1112.19	90.29	-17.79	-7997.10	23.51	37.41
18	14	104.00	-1051.82	-13.56	-18.35	-7378.05	-393.62	65.88
18	15	54.00	-820.42	63.58	-12.33	-5872.97	22.00	-135.44
18	15	79.00	-831.20	63.58	-12.33	-5872.97	13.14	33.91
18	15	104.00	-783.16	-13.62	-12.77	-5483.06	-281.02	38.14
18	16	54.00	-1121.53	91.68	-17.88	-8170.29	32.91	-174.22
18	16	79.00	-1136.64	91.68	-17.88	-8170.29	20.45	36.98
18	16	104.00	-1075.81	-14.38	-18.45	-7547.71	-398.45	68.68
...								
18	203	104.00	-738.00	-10.42	-12.76	-5173.81	-274.65	43.37
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1177.26	-98.83	-25.67	-8906.64	-425.66	-174.93
			-382.79	155.15	0.83	-2268.32	168.62	82.52

Macro	Tipo	Angolo 1-Z (gradi)
19	**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
19	1	54.00	-443.95	-65.18	0.39	659.63	-48.95	72.83
19	1	79.00	-454.58	-65.18	0.39	659.63	-47.35	38.45
19	1	104.00	-423.49	12.68	-2.55	399.97	-81.99	-62.02
19	2	54.00	-609.28	-103.27	0.39	1009.23	-71.36	108.41
19	2	79.00	-625.30	-103.27	0.39	1009.23	-68.98	60.91
19	2	104.00	-600.08	10.59	-3.80	517.23	-124.29	-91.27
19	3	54.00	-458.03	-66.77	0.35	670.19	-50.25	75.34
19	3	79.00	-468.99	-66.77	0.35	670.19	-48.59	40.04
19	3	104.00	-437.69	13.75	-2.68	409.24	-85.71	-64.56
19	4	54.00	-623.36	-104.86	0.35	1019.78	-72.67	110.92
19	4	79.00	-639.71	-104.86	0.35	1019.78	-70.22	62.50
19	4	104.00	-614.28	11.66	-3.93	526.50	-128.02	-93.81
19	5	54.00	-444.91	-65.53	0.41	671.66	-50.09	73.24
19	5	79.00	-455.55	-65.53	0.41	671.66	-48.47	38.68
19	5	104.00	-424.09	12.31	-2.46	406.38	-81.89	-62.26
19	6	54.00	-610.24	-103.63	0.41	1021.26	-72.50	108.82
19	6	79.00	-626.28	-103.63	0.41	1021.26	-70.10	61.15
19	6	104.00	-600.68	10.22	-3.72	523.65	-124.19	-91.51
19	7	54.00	-458.99	-67.12	0.37	682.22	-51.39	75.75
19	7	79.00	-469.96	-67.12	0.37	682.22	-49.71	40.27
19	7	104.00	-438.29	13.38	-2.59	415.66	-85.61	-64.80
19	8	54.00	-624.32	-105.22	0.37	1031.81	-73.81	111.33
19	8	79.00	-640.69	-105.22	0.37	1031.81	-71.34	62.74
19	8	104.00	-614.88	11.29	-3.85	532.92	-127.91	-94.05
19	9	54.00	-479.15	-69.15	0.30	686.03	-52.21	79.10
19	9	79.00	-490.61	-69.15	0.30	686.03	-50.45	42.42
19	9	104.00	-458.99	15.36	-2.87	423.15	-91.30	-68.37
19	10	54.00	-644.48	-107.25	0.30	1035.62	-74.62	114.68
19	10	79.00	-661.33	-107.25	0.30	1035.62	-72.09	64.89

19	10	104.00	-635.58	13.27	-4.13	540.42	-133.60	-97.62
19	11	54.00	-493.23	-70.74	0.26	696.58	-53.51	81.61
19	11	79.00	-505.02	-70.74	0.26	696.58	-51.70	44.01
19	11	104.00	-473.19	16.43	-3.00	432.43	-95.02	-70.91
19	12	54.00	-658.56	-108.84	0.26	1046.18	-75.93	117.19
19	12	79.00	-675.74	-108.84	0.26	1046.18	-73.33	66.48
19	12	104.00	-649.78	14.34	-4.26	549.69	-137.32	-100.16
19	13	54.00	-480.11	-69.51	0.31	698.05	-53.35	79.51
19	13	79.00	-491.58	-69.51	0.31	698.05	-51.58	42.66
19	13	104.00	-459.59	14.99	-2.79	429.57	-91.19	-68.61
19	14	54.00	-645.44	-107.61	0.31	1047.65	-75.76	115.09
19	14	79.00	-662.30	-107.61	0.31	1047.65	-73.21	65.12
19	14	104.00	-636.18	12.90	-4.04	546.83	-133.49	-97.86
19	15	54.00	-494.19	-71.10	0.28	708.61	-54.65	82.02
19	15	79.00	-505.99	-71.10	0.28	708.61	-52.82	44.25
19	15	104.00	-473.79	16.06	-2.92	438.85	-94.91	-71.14
19	16	54.00	-659.52	-109.20	0.28	1058.21	-77.07	117.60
19	16	79.00	-676.72	-109.20	0.28	1058.21	-74.45	66.71
19	16	104.00	-650.38	13.97	-4.17	556.11	-137.21	-100.40
...								
19	203	104.00	-446.68	10.50	-2.84	389.99	-92.54	-68.14
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-677.04	-154.24	-19.89	-1589.41	-323.95	-143.04
			-237.14	116.30	15.70	2794.78	181.24	225.46

Macro	Tipo	Angolo 1-Z (gradi)
20	**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
20	1	54.00	-881.06	42.58	-1.59	-5476.08	-21.62	-16.35
20	1	79.00	-888.64	42.58	-1.59	-5476.08	-24.23	-0.26
20	1	104.00	-858.66	-35.15	-1.52	-5214.99	-54.45	26.23
20	2	54.00	-1266.89	69.19	-3.10	-8127.76	-23.84	-25.45
20	2	79.00	-1278.51	69.19	-3.10	-8127.76	-27.71	2.94
20	2	104.00	-1239.89	-44.62	-3.02	-7564.14	-89.99	37.18
20	3	54.00	-911.28	43.87	-1.72	-5662.67	-21.78	-17.01
20	3	79.00	-919.09	43.87	-1.72	-5662.67	-24.49	-0.16
20	3	104.00	-888.88	-36.46	-1.64	-5399.84	-57.32	27.02
20	4	54.00	-1297.10	70.49	-3.22	-8314.35	-24.00	-26.11
20	4	79.00	-1308.95	70.49	-3.22	-8314.34	-27.97	3.03
20	4	104.00	-1270.11	-45.92	-3.14	-7748.99	-92.86	37.96
20	5	54.00	-880.45	42.33	-1.60	-5472.89	-21.81	-16.45
20	5	79.00	-888.04	42.33	-1.60	-5472.89	-24.44	-0.03
20	5	104.00	-858.29	-35.46	-1.54	-5212.32	-54.91	26.21
20	6	54.00	-1266.27	68.95	-3.10	-8124.56	-24.04	-25.56
20	6	79.00	-1277.91	68.95	-3.10	-8124.56	-27.92	3.16
20	6	104.00	-1239.52	-44.92	-3.04	-7561.47	-90.45	37.16
20	7	54.00	-910.66	43.63	-1.72	-5659.48	-21.98	-17.12
20	7	79.00	-918.49	43.63	-1.72	-5659.48	-24.70	0.06
20	7	104.00	-888.51	-36.76	-1.66	-5397.17	-57.77	27.00
20	8	54.00	-1296.49	70.24	-3.22	-8311.15	-24.20	-26.22
20	8	79.00	-1308.35	70.24	-3.22	-8311.15	-28.18	3.26
20	8	104.00	-1269.74	-46.23	-3.16	-7746.33	-93.31	37.95
20	9	54.00	-956.60	45.82	-1.90	-5942.55	-22.03	-18.01
20	9	79.00	-964.75	45.82	-1.90	-5942.55	-24.88	-0.02
20	9	104.00	-934.21	-38.41	-1.82	-5677.13	-61.61	28.20
20	10	54.00	-1342.42	72.44	-3.40	-8594.23	-24.25	-27.11
20	10	79.00	-1354.61	72.44	-3.40	-8594.23	-28.36	3.17
20	10	104.00	-1315.44	-47.88	-3.32	-8026.28	-97.15	39.14
20	11	54.00	-986.81	47.12	-2.02	-6129.14	-22.20	-18.67
20	11	79.00	-995.19	47.12	-2.02	-6129.14	-25.14	0.07
20	11	104.00	-964.43	-39.72	-1.95	-5861.98	-64.47	28.98
20	12	54.00	-1372.64	73.74	-3.52	-8780.82	-24.42	-27.77
20	12	79.00	-1385.05	73.74	-3.52	-8780.82	-28.62	3.26
20	12	104.00	-1345.66	-49.18	-3.44	-8211.13	-100.02	39.93
20	13	54.00	-955.98	45.57	-1.90	-5939.36	-22.23	-18.11
20	13	79.00	-964.15	45.57	-1.90	-5939.36	-25.09	0.20
20	13	104.00	-933.84	-38.72	-1.84	-5674.46	-62.06	28.18
20	14	54.00	-1341.81	72.19	-3.40	-8591.04	-24.45	-27.21
20	14	79.00	-1354.01	72.19	-3.40	-8591.04	-28.57	3.40
20	14	104.00	-1315.07	-48.18	-3.34	-8023.61	-97.61	39.13
20	15	54.00	-986.20	46.87	-2.02	-6125.95	-22.39	-18.78
20	15	79.00	-994.59	46.87	-2.02	-6125.95	-25.35	0.29
20	15	104.00	-964.06	-40.02	-1.96	-5859.31	-64.93	28.97
20	16	54.00	-1372.02	73.49	-3.53	-8777.63	-24.62	-27.88
20	16	79.00	-1384.45	73.49	-3.53	-8777.62	-28.83	3.49
20	16	104.00	-1345.30	-49.49	-3.46	-8208.46	-100.47	39.92
...								
20	203	104.00	-920.10	-34.64	-2.20	-5608.45	-66.36	27.48

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-1385.25	-108.94	-24.73	-8909.52	-311.29	-69.15
	-570.69	135.03	19.68	-3041.32	210.24	72.72

Macro	Tipo	Angolo 1-Z (gradi)
24	**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
24	1	54.00	-2347.46	0.0	-12.58	0.0	50.86	0.0
24	1	79.00	-2357.92	0.0	-12.58	0.0	55.58	0.0
24	1	104.00	-2190.92	0.0	8.22	-2.27e-06	-2.68	0.0
24	2	54.00	-3278.51	0.0	-21.36	0.0	114.58	0.0
24	2	79.00	-3297.62	0.0	-21.36	0.0	121.62	0.0
24	2	104.00	-3083.29	0.0	8.34	-2.27e-06	-46.68	0.0
24	3	54.00	-2418.18	0.0	-12.94	0.0	51.62	0.0
24	3	79.00	-2428.97	0.0	-12.94	0.0	56.51	0.0
24	3	104.00	-2261.80	0.0	8.50	-2.27e-06	-2.97	0.0
24	4	54.00	-3349.23	0.0	-21.71	0.0	115.35	0.0
24	4	79.00	-3368.68	0.0	-21.71	0.0	122.55	0.0
24	4	104.00	-3154.17	0.0	8.61	-2.27e-06	-46.97	0.0
24	5	54.00	-2351.18	0.0	-12.62	0.0	51.34	0.0
24	5	79.00	-2360.71	0.0	-12.62	0.0	56.06	0.0
24	5	104.00	-2192.61	0.0	8.21	2.27e-06	-2.94	0.0
24	6	54.00	-3282.23	0.0	-21.40	0.0	115.07	0.0
24	6	79.00	-3300.41	0.0	-21.40	0.0	122.10	0.0
24	6	104.00	-3084.98	0.0	8.32	2.27e-06	-46.94	0.0
24	7	54.00	-2421.89	0.0	-12.98	0.0	52.11	0.0
24	7	79.00	-2431.76	0.0	-12.98	0.0	56.99	0.0
24	7	104.00	-2263.49	0.0	8.48	2.27e-06	-3.24	0.0
24	8	54.00	-3352.94	0.0	-21.76	0.0	115.83	0.0
24	8	79.00	-3371.46	0.0	-21.76	0.0	123.03	0.0
24	8	104.00	-3155.86	0.0	8.59	2.27e-06	-47.24	0.0
24	9	54.00	-2524.25	0.0	-13.48	0.0	52.77	0.0
24	9	79.00	-2535.55	0.0	-13.48	0.0	57.90	0.0
24	9	104.00	-2368.12	0.0	8.90	-2.27e-06	-3.42	0.0
24	10	54.00	-3455.30	0.0	-22.25	0.0	116.49	0.0
24	10	79.00	-3475.25	0.0	-22.25	0.0	123.94	0.0
24	10	104.00	-3260.49	0.0	9.02	-2.27e-06	-47.42	0.0
24	11	54.00	-2594.96	0.0	-13.84	0.0	53.53	0.0
24	11	79.00	-2606.61	0.0	-13.84	0.0	58.83	0.0
24	11	104.00	-2439.00	0.0	9.18	-2.27e-06	-3.72	0.0
24	12	54.00	-3526.01	0.0	-22.61	0.0	117.26	0.0
24	12	79.00	-3546.31	0.0	-22.61	0.0	124.87	0.0
24	12	104.00	-3331.37	0.0	9.29	-2.27e-06	-47.72	0.0
24	13	54.00	-2527.97	0.0	-13.52	0.0	53.26	0.0
24	13	79.00	-2538.34	0.0	-13.52	0.0	58.38	0.0
24	13	104.00	-2369.81	0.0	8.89	2.27e-06	-3.69	0.0
24	14	54.00	-3459.01	0.0	-22.30	0.0	116.98	0.0
24	14	79.00	-3478.04	0.0	-22.30	0.0	124.42	0.0
24	14	104.00	-3262.18	0.0	9.00	2.27e-06	-47.69	0.0
24	15	54.00	-2598.68	0.0	-13.88	0.0	54.02	0.0
24	15	79.00	-2609.39	0.0	-13.88	0.0	59.31	0.0
24	15	104.00	-2440.69	0.0	9.16	2.27e-06	-3.98	0.0
24	16	54.00	-3529.73	0.0	-22.66	0.0	117.74	0.0
24	16	79.00	-3549.09	0.0	-22.66	0.0	125.35	0.0
24	16	104.00	-3333.06	0.0	9.27	2.27e-06	-47.98	0.0
...								
24	203	104.00	-2294.21	0.0	6.89	0.0	-26.18	0.0
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-3550.02	-872.85	-30.46	-1.133e+05	-134.04	-358.91
			-1378.93	872.85	13.96	1.133e+05	286.58	358.91

Macro	Tipo	Angolo 1-Z (gradi)
25	**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
25	1	54.00	-340.14	-30.43	1.17	1166.58	-194.44	227.02
25	1	79.00	-350.38	-30.43	1.17	1166.58	-190.68	81.73
25	1	104.00	-316.57	42.93	-3.33	898.58	-230.91	-203.69
25	2	54.00	-453.97	-42.52	-0.80	1585.01	-246.10	315.41
25	2	79.00	-468.57	-42.52	-0.80	1585.01	-240.60	138.43

25	2	104.00	-433.66	61.86	-7.68	1156.14	-373.81	-310.03
25	3	54.00	-349.71	-31.40	1.20	1189.81	-200.82	234.47
25	3	79.00	-360.24	-31.40	1.20	1189.81	-196.95	84.59
25	3	104.00	-326.11	44.37	-3.46	919.36	-238.88	-210.64
25	4	54.00	-463.53	-43.49	-0.77	1608.23	-252.48	322.85
25	4	79.00	-478.44	-43.49	-0.77	1608.23	-246.86	141.30
25	4	104.00	-443.20	63.31	-7.82	1176.92	-381.78	-316.98
25	5	54.00	-336.08	-29.35	1.21	1109.90	-194.91	226.12
25	5	79.00	-346.32	-29.35	1.21	1109.90	-191.15	82.10
25	5	104.00	-313.82	43.89	-3.33	868.24	-231.06	-203.54
25	6	54.00	-449.91	-41.43	-0.76	1528.33	-246.57	314.51
25	6	79.00	-464.52	-41.43	-0.76	1528.33	-241.07	138.80
25	6	104.00	-430.91	62.82	-7.69	1125.80	-373.96	-309.89
25	7	54.00	-345.65	-30.31	1.24	1133.13	-201.29	233.57
25	7	79.00	-356.19	-30.31	1.24	1133.13	-197.42	84.97
25	7	104.00	-323.35	45.33	-3.47	889.02	-239.03	-210.49
25	8	54.00	-459.47	-42.40	-0.73	1551.55	-252.95	321.95
25	8	79.00	-474.39	-42.40	-0.73	1551.55	-247.33	141.67
25	8	104.00	-440.44	64.27	-7.82	1146.58	-381.93	-316.84
25	9	54.00	-364.05	-32.85	1.25	1224.65	-210.40	245.63
25	9	79.00	-375.04	-32.85	1.25	1224.65	-206.34	88.89
25	9	104.00	-340.41	46.53	-3.66	950.53	-250.84	-221.06
25	10	54.00	-477.87	-44.93	-0.73	1643.07	-262.06	334.02
25	10	79.00	-493.24	-44.93	-0.73	1643.07	-256.26	145.60
25	10	104.00	-457.50	65.47	-8.02	1208.09	-393.74	-327.41
25	11	54.00	-373.61	-33.81	1.27	1247.87	-216.79	253.08
25	11	79.00	-384.91	-33.81	1.27	1247.87	-212.61	91.76
25	11	104.00	-349.95	47.97	-3.79	971.31	-258.81	-228.01
25	12	54.00	-487.44	-45.90	-0.70	1666.30	-268.45	341.46
25	12	79.00	-503.11	-45.90	-0.70	1666.30	-262.52	148.46
25	12	104.00	-467.04	66.91	-8.15	1228.87	-401.71	-334.36
25	13	54.00	-359.99	-31.76	1.29	1167.97	-210.87	244.73
25	13	79.00	-370.99	-31.76	1.29	1167.97	-206.81	89.26
25	13	104.00	-337.66	47.49	-3.67	920.19	-250.99	-220.92
25	14	54.00	-473.81	-43.84	-0.69	1586.39	-262.53	333.12
25	14	79.00	-489.19	-43.84	-0.69	1586.39	-256.73	145.97
25	14	104.00	-454.75	66.43	-8.02	1177.74	-393.89	-327.26
25	15	54.00	-369.55	-32.72	1.32	1191.19	-217.26	252.17
25	15	79.00	-380.85	-32.72	1.32	1191.19	-213.08	92.13
25	15	104.00	-347.19	48.93	-3.80	940.97	-258.96	-227.87
25	16	54.00	-483.38	-44.81	-0.66	1609.62	-268.92	340.56
25	16	79.00	-499.05	-44.81	-0.66	1609.62	-262.99	148.84
25	16	104.00	-464.28	67.87	-8.16	1198.52	-401.86	-334.21
...								
25	203	104.00	-322.71	46.18	-5.13	855.70	-268.77	-226.32
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-701.20	-125.26	-10.80	-1484.98	-401.91	-334.44
			-68.31	166.69	7.78	4683.38	-70.47	389.66

Macro	Tipo	Angolo 1-Z (gradi)
27	**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
27	1	54.00	-340.14	-30.43	-1.17	1166.58	194.44	-227.02
27	1	79.00	-350.38	-30.43	-1.17	1166.58	190.68	-81.73
27	1	104.00	-316.57	42.93	3.33	898.58	230.91	203.69
27	2	54.00	-453.97	-42.52	0.80	1585.01	246.10	-315.41
27	2	79.00	-468.57	-42.52	0.80	1585.01	240.60	-138.43
27	2	104.00	-433.66	61.86	7.68	1156.14	373.81	310.03
27	3	54.00	-349.71	-31.40	-1.20	1189.81	200.82	-234.47
27	3	79.00	-360.24	-31.40	-1.20	1189.81	196.95	-84.59
27	3	104.00	-326.11	44.37	3.46	919.36	238.88	210.64
27	4	54.00	-463.53	-43.49	0.77	1608.23	252.48	-322.85
27	4	79.00	-478.44	-43.49	0.77	1608.23	246.86	-141.30
27	4	104.00	-443.20	63.31	7.82	1176.92	381.78	316.98
27	5	54.00	-336.08	-29.35	-1.21	1109.90	194.91	-226.12
27	5	79.00	-346.32	-29.35	-1.21	1109.90	191.15	-82.10
27	5	104.00	-313.82	43.89	3.33	868.24	231.06	203.54
27	6	54.00	-449.91	-41.43	0.76	1528.33	246.57	-314.51
27	6	79.00	-464.52	-41.43	0.76	1528.33	241.07	-138.80
27	6	104.00	-430.91	62.82	7.69	1125.80	373.96	309.89
27	7	54.00	-345.65	-30.31	-1.24	1133.13	201.29	-233.57
27	7	79.00	-356.19	-30.31	-1.24	1133.13	197.42	-84.97
27	7	104.00	-323.35	45.33	3.47	889.02	239.03	210.49
27	8	54.00	-459.47	-42.40	0.73	1551.55	252.95	-321.95
27	8	79.00	-474.39	-42.40	0.73	1551.55	247.33	-141.67
27	8	104.00	-440.44	64.27	7.82	1146.58	381.93	316.84
27	9	54.00	-364.05	-32.85	-1.25	1224.65	210.40	-245.63
27	9	79.00	-375.04	-32.85	-1.25	1224.65	206.34	-88.89

27	9	104.00	-340.41	46.53	3.66	950.53	250.84	221.06
27	10	54.00	-477.87	-44.93	0.73	1643.07	262.06	-334.02
27	10	79.00	-493.24	-44.93	0.73	1643.07	256.26	-145.60
27	10	104.00	-457.50	65.47	8.02	1208.09	393.74	327.41
27	11	54.00	-373.61	-33.81	-1.27	1247.87	216.79	-253.08
27	11	79.00	-384.91	-33.81	-1.27	1247.87	212.61	-91.76
27	11	104.00	-349.95	47.97	3.79	971.31	258.81	228.01
27	12	54.00	-487.44	-45.90	0.70	1666.30	268.45	-341.46
27	12	79.00	-503.11	-45.90	0.70	1666.30	262.52	-148.46
27	12	104.00	-467.04	66.91	8.15	1228.87	401.71	334.36
27	13	54.00	-359.99	-31.76	-1.29	1167.97	210.87	-244.73
27	13	79.00	-370.99	-31.76	-1.29	1167.97	206.81	-89.26
27	13	104.00	-337.66	47.49	3.67	920.19	250.99	220.92
27	14	54.00	-473.81	-43.84	0.69	1586.39	262.53	-333.12
27	14	79.00	-489.19	-43.84	0.69	1586.39	256.73	-145.97
27	14	104.00	-454.75	66.43	8.02	1177.74	393.89	327.26
27	15	54.00	-369.55	-32.72	-1.32	1191.19	217.26	-252.17
27	15	79.00	-380.85	-32.72	-1.32	1191.19	213.08	-92.13
27	15	104.00	-347.19	48.93	3.80	940.97	258.96	227.87
27	16	54.00	-483.38	-44.81	0.66	1609.62	268.92	-340.56
27	16	79.00	-499.05	-44.81	0.66	1609.62	262.99	-148.84
27	16	104.00	-464.28	67.87	8.16	1198.52	401.86	334.21
...								
27	203	104.00	-322.71	46.18	5.13	855.70	268.77	226.32
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-701.20	-125.26	-7.78	-1484.98	70.47	-389.66
			-68.31	166.69	10.80	4683.38	401.91	334.44

Macro	Tipo	Angolo 1-Z (gradi)
28	**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
28	1	54.00	-488.00	-54.16	0.25	545.03	-14.78	18.69
28	1	79.00	-498.60	-54.16	0.25	545.03	-14.34	9.63
28	1	104.00	-466.02	23.17	-0.34	238.17	-17.27	-13.92
28	2	54.00	-680.59	-86.47	0.32	871.27	-21.96	28.58
28	2	79.00	-696.71	-86.47	0.32	871.27	-21.29	15.60
28	2	104.00	-668.26	27.63	-0.54	300.32	-27.18	-20.95
28	3	54.00	-504.27	-55.82	0.24	553.84	-15.13	19.37
28	3	79.00	-515.23	-55.82	0.24	553.84	-14.67	10.09
28	3	104.00	-482.42	24.27	-0.37	244.05	-18.24	-14.53
28	4	54.00	-696.86	-88.13	0.30	880.08	-22.31	29.26
28	4	79.00	-713.33	-88.13	0.30	880.08	-21.62	16.06
28	4	104.00	-684.66	28.72	-0.57	306.20	-28.15	-21.56
28	5	54.00	-489.16	-54.57	0.22	559.54	-14.16	18.31
28	5	79.00	-499.78	-54.57	0.22	559.54	-13.74	9.83
28	5	104.00	-467.09	22.69	-0.36	251.28	-17.45	-13.80
28	6	54.00	-681.76	-86.88	0.28	885.78	-21.34	28.20
28	6	79.00	-697.88	-86.88	0.28	885.78	-20.69	15.80
28	6	104.00	-669.33	27.15	-0.56	313.44	-27.36	-20.84
28	7	54.00	-505.43	-56.23	0.20	568.35	-14.51	19.00
28	7	79.00	-516.40	-56.23	0.20	568.35	-14.07	10.29
28	7	104.00	-483.49	23.78	-0.39	257.16	-18.42	-14.42
28	8	54.00	-698.03	-88.54	0.27	894.59	-21.69	28.88
28	8	79.00	-714.50	-88.54	0.27	894.59	-21.02	16.26
28	8	104.00	-685.73	28.24	-0.59	319.31	-28.33	-21.45
28	9	54.00	-528.67	-58.31	0.22	567.05	-15.65	20.40
28	9	79.00	-540.16	-58.31	0.22	567.05	-15.17	10.78
28	9	104.00	-507.02	25.90	-0.41	252.86	-19.70	-15.45
28	10	54.00	-721.27	-90.62	0.29	893.29	-22.83	30.28
28	10	79.00	-738.27	-90.62	0.29	893.29	-22.12	16.75
28	10	104.00	-709.26	30.36	-0.61	315.01	-29.61	-22.48
28	11	54.00	-544.94	-59.97	0.21	575.86	-15.99	21.08
28	11	79.00	-556.79	-59.97	0.21	575.86	-15.50	11.24
28	11	104.00	-523.42	27.00	-0.44	258.73	-20.68	-16.06
28	12	54.00	-737.54	-92.28	0.27	902.10	-23.17	30.96
28	12	79.00	-754.89	-92.28	0.27	902.10	-22.45	17.21
28	12	104.00	-725.66	31.45	-0.64	320.88	-30.59	-23.09
28	13	54.00	-529.84	-58.72	0.19	581.56	-15.03	20.02
28	13	79.00	-541.34	-58.72	0.19	581.56	-14.56	10.98
28	13	104.00	-508.09	25.42	-0.43	265.97	-19.88	-15.33
28	14	54.00	-722.44	-91.03	0.25	907.80	-22.21	29.91
28	14	79.00	-739.44	-91.03	0.25	907.80	-21.51	16.95
28	14	104.00	-710.33	29.88	-0.63	328.12	-29.79	-22.37
28	15	54.00	-546.11	-60.38	0.17	590.37	-15.38	20.70
28	15	79.00	-557.96	-60.38	0.17	590.37	-14.89	11.44
28	15	104.00	-524.50	26.51	-0.46	271.84	-20.85	-15.95
28	16	54.00	-738.71	-92.69	0.24	916.61	-22.56	30.59
28	16	79.00	-756.06	-92.69	0.24	916.61	-21.84	17.41

28	16	104.00	-726.74	30.97	-0.66	333.99	-30.76	-22.98
...								
28	203	104.00	-497.36	22.05	-0.43	232.36	-20.45	-15.56
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-756.45	-127.01	-17.46	-1187.04	-267.87	-167.79
			-357.99	105.46	17.00	2214.35	233.42	191.46

Macro	Tipo	Angolo 1-Z (gradi)
29	**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
29	1	54.00	-934.54	50.92	-0.52	-5568.31	-4.87	-3.17
29	1	79.00	-941.84	50.92	-0.52	-5568.31	-5.45	2.42
29	1	104.00	-906.57	-26.40	-0.54	-5229.59	-16.73	3.62
29	2	54.00	-1355.00	82.47	-0.84	-8327.98	-6.95	-4.49
29	2	79.00	-1366.33	82.47	-0.84	-8327.98	-7.82	3.83
29	2	104.00	-1319.60	-31.86	-0.88	-7647.19	-25.98	5.94
29	3	54.00	-967.61	52.35	-0.56	-5764.26	-4.93	-3.29
29	3	79.00	-975.14	52.35	-0.56	-5764.26	-5.52	2.48
29	3	104.00	-939.60	-27.68	-0.58	-5422.12	-17.53	3.80
29	4	54.00	-1388.07	83.89	-0.88	-8523.93	-7.00	-4.61
29	4	79.00	-1399.62	83.89	-0.88	-8523.93	-7.89	3.89
29	4	104.00	-1352.63	-33.13	-0.91	-7839.73	-26.78	6.13
29	5	54.00	-933.02	50.60	-0.56	-5557.45	-4.22	-3.14
29	5	79.00	-940.36	50.60	-0.56	-5557.45	-4.78	2.49
29	5	104.00	-905.29	-26.73	-0.58	-5220.42	-17.02	3.62
29	6	54.00	-1353.49	82.14	-0.88	-8317.12	-6.29	-4.45
29	6	79.00	-1364.84	82.14	-0.88	-8317.12	-7.16	3.90
29	6	104.00	-1318.32	-32.18	-0.92	-7638.03	-26.27	5.94
29	7	54.00	-966.09	52.02	-0.60	-5753.40	-4.27	-3.26
29	7	79.00	-973.65	52.02	-0.60	-5753.40	-4.86	2.55
29	7	104.00	-938.32	-28.01	-0.62	-5412.96	-17.82	3.80
29	8	54.00	-1386.55	83.56	-0.92	-8513.07	-6.34	-4.58
29	8	79.00	-1398.14	83.56	-0.92	-8513.07	-7.23	3.96
29	8	104.00	-1351.36	-33.46	-0.96	-7830.56	-27.07	6.13
29	9	54.00	-1017.21	54.48	-0.60	-6058.19	-5.00	-3.48
29	9	79.00	-1025.09	54.48	-0.60	-6058.19	-5.63	2.57
29	9	104.00	-989.14	-29.59	-0.63	-5710.93	-18.72	4.08
29	10	54.00	-1437.67	86.03	-0.93	-8817.86	-7.07	-4.80
29	10	79.00	-1449.57	86.03	-0.93	-8817.86	-8.01	3.98
29	10	104.00	-1402.18	-35.05	-0.97	-8128.54	-27.97	6.40
29	11	54.00	-1050.27	55.91	-0.64	-6254.14	-5.05	-3.61
29	11	79.00	-1058.38	55.91	-0.64	-6254.14	-5.71	2.63
29	11	104.00	-1022.17	-30.87	-0.66	-5903.47	-19.52	4.26
29	12	54.00	-1470.74	87.45	-0.96	-9013.81	-7.13	-4.92
29	12	79.00	-1482.87	87.45	-0.96	-9013.81	-8.08	4.04
29	12	104.00	-1435.21	-36.32	-1.00	-8321.08	-28.77	6.59
29	13	54.00	-1015.69	54.16	-0.65	-6047.33	-4.35	-3.45
29	13	79.00	-1023.60	54.16	-0.65	-6047.33	-4.97	2.64
29	13	104.00	-987.87	-29.92	-0.67	-5701.77	-19.01	4.08
29	14	54.00	-1436.16	85.70	-0.97	-8807.00	-6.42	-4.77
29	14	79.00	-1448.08	85.70	-0.97	-8807.00	-7.34	4.05
29	14	104.00	-1400.90	-35.37	-1.01	-8119.37	-28.26	6.40
29	15	54.00	-1048.76	55.58	-0.68	-6243.28	-4.40	-3.57
29	15	79.00	-1056.90	55.58	-0.68	-6243.28	-5.04	2.70
29	15	104.00	-1020.90	-31.20	-0.70	-5894.31	-19.81	4.26
29	16	54.00	-1469.22	87.12	-1.00	-9002.95	-6.47	-4.89
29	16	79.00	-1481.38	87.12	-1.00	-9002.95	-7.42	4.11
29	16	104.00	-1433.93	-36.65	-1.04	-8311.91	-29.06	6.59
...								
29	203	104.00	-978.81	-25.73	-0.68	-5668.03	-19.40	4.37
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1483.36	-82.70	-22.68	-9017.43	-259.67	-67.49
			-695.81	124.97	21.49	-3794.40	224.89	72.96

Macro	Tipo	Angolo 1-Z (gradi)
30	**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
30	1	54.00	-488.00	-54.16	-0.25	545.03	14.78	-18.69
30	1	79.00	-498.60	-54.16	-0.25	545.03	14.34	-9.63

30	1	104.00	-466.02	23.17	0.34	238.17	17.27	13.92
30	2	54.00	-680.59	-86.47	-0.32	871.27	21.96	-28.58
30	2	79.00	-696.71	-86.47	-0.32	871.27	21.29	-15.60
30	2	104.00	-668.26	27.63	0.54	300.32	27.18	20.95
30	3	54.00	-504.27	-55.82	-0.24	553.84	15.13	-19.37
30	3	79.00	-515.23	-55.82	-0.24	553.84	14.67	-10.09
30	3	104.00	-482.42	24.27	0.37	244.05	18.24	14.53
30	4	54.00	-696.86	-88.13	-0.30	880.08	22.31	-29.26
30	4	79.00	-713.33	-88.13	-0.30	880.08	21.62	-16.06
30	4	104.00	-684.66	28.72	0.57	306.20	28.15	21.56
30	5	54.00	-489.16	-54.57	-0.22	559.54	14.16	-18.31
30	5	79.00	-499.78	-54.57	-0.22	559.54	13.74	-9.83
30	5	104.00	-467.09	22.69	0.36	251.28	17.45	13.80
30	6	54.00	-681.76	-86.88	-0.28	885.78	21.34	-28.20
30	6	79.00	-697.88	-86.88	-0.28	885.78	20.69	-15.80
30	6	104.00	-669.33	27.15	0.56	313.44	27.36	20.84
30	7	54.00	-505.43	-56.23	-0.20	568.35	14.51	-19.00
30	7	79.00	-516.40	-56.23	-0.20	568.35	14.07	-10.29
30	7	104.00	-483.49	23.78	0.39	257.16	18.42	14.42
30	8	54.00	-698.03	-88.54	-0.27	894.59	21.69	-28.88
30	8	79.00	-714.50	-88.54	-0.27	894.59	21.02	-16.26
30	8	104.00	-685.73	28.24	0.59	319.31	28.33	21.45
30	9	54.00	-528.67	-58.31	-0.22	567.05	15.65	-20.40
30	9	79.00	-540.16	-58.31	-0.22	567.05	15.17	-10.78
30	9	104.00	-507.02	25.90	0.41	252.86	19.70	15.45
30	10	54.00	-721.27	-90.62	-0.29	893.29	22.83	-30.28
30	10	79.00	-738.27	-90.62	-0.29	893.29	22.12	-16.75
30	10	104.00	-709.26	30.36	0.61	315.01	29.61	22.48
30	11	54.00	-544.94	-59.97	-0.21	575.86	15.99	-21.08
30	11	79.00	-556.79	-59.97	-0.21	575.86	15.50	-11.24
30	11	104.00	-523.42	27.00	0.44	258.73	20.68	16.06
30	12	54.00	-737.54	-92.28	-0.27	902.10	23.17	-30.96
30	12	79.00	-754.89	-92.28	-0.27	902.10	22.45	-17.21
30	12	104.00	-725.66	31.45	0.64	320.88	30.59	23.09
30	13	54.00	-529.84	-58.72	-0.19	581.56	15.03	-20.02
30	13	79.00	-541.34	-58.72	-0.19	581.56	14.56	-10.98
30	13	104.00	-508.09	25.42	0.43	265.97	19.88	15.33
30	14	54.00	-722.44	-91.03	-0.25	907.80	22.21	-29.91
30	14	79.00	-739.44	-91.03	-0.25	907.80	21.51	-16.95
30	14	104.00	-710.33	29.88	0.63	328.12	29.79	22.37
30	15	54.00	-546.11	-60.38	-0.17	590.37	15.38	-20.70
30	15	79.00	-557.96	-60.38	-0.17	590.37	14.89	-11.44
30	15	104.00	-524.50	26.51	0.46	271.84	20.85	15.95
30	16	54.00	-738.71	-92.69	-0.24	916.61	22.56	-30.59
30	16	79.00	-756.06	-92.69	-0.24	916.61	21.84	-17.41
30	16	104.00	-726.74	30.97	0.66	333.99	30.76	22.98
...								
30	203	104.00	-497.36	22.05	0.43	232.36	20.45	15.56
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-756.45	-127.01	-17.00	-1187.04	-233.42	-191.46
			-357.99	105.46	17.46	2214.35	267.87	167.79

Macro	Tipo	Angolo 1-Z (gradi)
31	**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
31	1	54.00	-934.54	50.92	0.52	-5568.31	4.87	3.17
31	1	79.00	-941.84	50.92	0.52	-5568.31	5.45	-2.42
31	1	104.00	-906.57	-26.40	0.54	-5229.59	16.73	-3.62
31	2	54.00	-1355.00	82.47	0.84	-8327.98	6.95	4.49
31	2	79.00	-1366.33	82.47	0.84	-8327.98	7.82	-3.83
31	2	104.00	-1319.60	-31.86	0.88	-7647.19	25.98	-5.94
31	3	54.00	-967.61	52.35	0.56	-5764.26	4.93	3.29
31	3	79.00	-975.14	52.35	0.56	-5764.26	5.52	-2.48
31	3	104.00	-939.60	-27.68	0.58	-5422.12	17.53	-3.80
31	4	54.00	-1388.07	83.89	0.88	-8523.93	7.00	4.61
31	4	79.00	-1399.62	83.89	0.88	-8523.93	7.89	-3.89
31	4	104.00	-1352.63	-33.13	0.91	-7839.73	26.78	-6.13
31	5	54.00	-933.02	50.60	0.56	-5557.45	4.22	3.14
31	5	79.00	-940.36	50.60	0.56	-5557.45	4.78	-2.49
31	5	104.00	-905.29	-26.73	0.58	-5220.42	17.02	-3.62
31	6	54.00	-1353.49	82.14	0.88	-8317.12	6.29	4.45
31	6	79.00	-1364.84	82.14	0.88	-8317.12	7.16	-3.90
31	6	104.00	-1318.32	-32.18	0.92	-7638.03	26.27	-5.94
31	7	54.00	-966.09	52.02	0.60	-5753.40	4.27	3.26
31	7	79.00	-973.65	52.02	0.60	-5753.40	4.86	-2.55
31	7	104.00	-938.32	-28.01	0.62	-5412.96	17.82	-3.80
31	8	54.00	-1386.55	83.56	0.92	-8513.07	6.34	4.58
31	8	79.00	-1398.14	83.56	0.92	-8513.07	7.23	-3.96

31	8	104.00	-1351.36	-33.46	0.96	-7830.56	27.07	-6.13
31	9	54.00	-1017.21	54.48	0.60	-6058.19	5.00	3.48
31	9	79.00	-1025.09	54.48	0.60	-6058.19	5.63	-2.57
31	9	104.00	-989.14	-29.59	0.63	-5710.93	18.72	-4.08
31	10	54.00	-1437.67	86.03	0.93	-8817.86	7.07	4.80
31	10	79.00	-1449.57	86.03	0.93	-8817.86	8.01	-3.98
31	10	104.00	-1402.18	-35.05	0.97	-8128.54	27.97	-6.40
31	11	54.00	-1050.27	55.91	0.64	-6254.14	5.05	3.61
31	11	79.00	-1058.38	55.91	0.64	-6254.14	5.71	-2.63
31	11	104.00	-1022.17	-30.87	0.66	-5903.47	19.52	-4.26
31	12	54.00	-1470.74	87.45	0.96	-9013.81	7.13	4.92
31	12	79.00	-1482.87	87.45	0.96	-9013.81	8.08	-4.04
31	12	104.00	-1435.21	-36.32	1.00	-8321.08	28.77	-6.59
31	13	54.00	-1015.69	54.16	0.65	-6047.33	4.35	3.45
31	13	79.00	-1023.60	54.16	0.65	-6047.33	4.97	-2.64
31	13	104.00	-987.87	-29.92	0.67	-5701.77	19.01	-4.08
31	14	54.00	-1436.16	85.70	0.97	-8807.00	6.42	4.77
31	14	79.00	-1448.08	85.70	0.97	-8807.00	7.34	-4.05
31	14	104.00	-1400.90	-35.37	1.01	-8119.37	28.26	-6.40
31	15	54.00	-1048.76	55.58	0.68	-6243.28	4.40	3.57
31	15	79.00	-1056.90	55.58	0.68	-6243.28	5.04	-2.70
31	15	104.00	-1020.90	-31.20	0.70	-5894.31	19.81	-4.26
31	16	54.00	-1469.22	87.12	1.00	-9002.95	6.47	4.89
31	16	79.00	-1481.38	87.12	1.00	-9002.95	7.42	-4.11
31	16	104.00	-1433.93	-36.65	1.04	-8311.91	29.06	-6.59
...								
31	203	104.00	-978.81	-25.73	0.68	-5668.03	19.40	-4.37
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1483.36	-82.70	-21.49	-9017.43	-224.89	-72.96
			-695.81	124.97	22.68	-3794.40	259.67	67.49

Macro	Tipo	Angolo 1-Z (gradi)
32	**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
32	1	54.00	-443.95	-65.18	-0.39	659.63	48.95	-72.83
32	1	79.00	-454.58	-65.18	-0.39	659.63	47.35	-38.45
32	1	104.00	-423.49	12.68	2.55	399.97	81.99	62.02
32	2	54.00	-609.28	-103.27	-0.39	1009.23	71.36	-108.41
32	2	79.00	-625.30	-103.27	-0.39	1009.23	68.98	-60.91
32	2	104.00	-600.08	10.59	3.80	517.23	124.29	91.27
32	3	54.00	-458.03	-66.77	-0.35	670.19	50.25	-75.34
32	3	79.00	-468.99	-66.77	-0.35	670.19	48.59	-40.04
32	3	104.00	-437.69	13.75	2.68	409.24	85.71	64.56
32	4	54.00	-623.36	-104.86	-0.35	1019.78	72.67	-110.92
32	4	79.00	-639.71	-104.86	-0.35	1019.78	70.22	-62.50
32	4	104.00	-614.28	11.66	3.93	526.50	128.02	93.81
32	5	54.00	-444.91	-65.53	-0.41	671.66	50.09	-73.24
32	5	79.00	-455.55	-65.53	-0.41	671.66	48.47	-38.68
32	5	104.00	-424.09	12.31	2.46	406.38	81.89	62.26
32	6	54.00	-610.24	-103.63	-0.41	1021.26	72.50	-108.82
32	6	79.00	-626.28	-103.63	-0.41	1021.26	70.10	-61.15
32	6	104.00	-600.68	10.22	3.72	523.65	124.19	91.51
32	7	54.00	-458.99	-67.12	-0.37	682.22	51.39	-75.75
32	7	79.00	-469.96	-67.12	-0.37	682.22	49.71	-40.27
32	7	104.00	-438.29	13.38	2.59	415.66	85.61	64.80
32	8	54.00	-624.32	-105.22	-0.37	1031.81	73.81	-111.33
32	8	79.00	-640.69	-105.22	-0.37	1031.81	71.34	-62.74
32	8	104.00	-614.88	11.29	3.85	532.92	127.91	94.05
32	9	54.00	-479.15	-69.15	-0.30	686.03	52.21	-79.10
32	9	79.00	-490.61	-69.15	-0.30	686.03	50.45	-42.42
32	9	104.00	-458.99	15.36	2.87	423.15	91.30	68.37
32	10	54.00	-644.48	-107.25	-0.30	1035.62	74.62	-114.68
32	10	79.00	-661.33	-107.25	-0.30	1035.62	72.09	-64.89
32	10	104.00	-635.58	13.27	4.13	540.42	133.60	97.62
32	11	54.00	-493.23	-70.74	-0.26	696.58	53.51	-81.61
32	11	79.00	-505.02	-70.74	-0.26	696.58	51.70	-44.01
32	11	104.00	-473.19	16.43	3.00	432.43	95.02	70.91
32	12	54.00	-658.56	-108.84	-0.26	1046.18	75.93	-117.19
32	12	79.00	-675.74	-108.84	-0.26	1046.18	73.33	-66.48
32	12	104.00	-649.78	14.34	4.26	549.69	137.32	100.16
32	13	54.00	-480.11	-69.51	-0.31	698.05	53.35	-79.51
32	13	79.00	-491.58	-69.51	-0.31	698.05	51.58	-42.66
32	13	104.00	-459.59	14.99	2.79	429.57	91.19	68.61
32	14	54.00	-645.44	-107.61	-0.31	1047.65	75.76	-115.09
32	14	79.00	-662.30	-107.61	-0.31	1047.65	73.21	-65.12
32	14	104.00	-636.18	12.90	4.04	546.83	133.49	97.86
32	15	54.00	-494.19	-71.10	-0.28	708.61	54.65	-82.02
32	15	79.00	-505.99	-71.10	-0.28	708.61	52.82	-44.25

32	15	104.00	-473.79	16.06	2.92	438.85	94.91	71.14
32	16	54.00	-659.52	-109.20	-0.28	1058.21	77.07	-117.60
32	16	79.00	-676.72	-109.20	-0.28	1058.21	74.45	-66.71
32	16	104.00	-650.38	13.97	4.17	556.11	137.21	100.40
...								
32	203	104.00	-446.68	10.50	2.84	389.99	92.54	68.14
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-677.04	-154.24	-15.70	-1589.41	-181.24	-225.46
			-237.14	116.30	19.89	2794.78	323.95	143.04

Macro	Tipo	Angolo 1-Z (gradi)
33	**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
33	1	54.00	-881.06	42.58	1.59	-5476.08	21.62	16.35
33	1	79.00	-888.64	42.58	1.59	-5476.08	24.23	0.26
33	1	104.00	-858.66	-35.15	1.52	-5214.99	54.45	-26.23
33	2	54.00	-1266.89	69.19	3.10	-8127.76	23.84	25.45
33	2	79.00	-1278.51	69.19	3.10	-8127.76	27.71	-2.94
33	2	104.00	-1239.89	-44.62	3.02	-7564.14	89.99	-37.18
33	3	54.00	-911.28	43.87	1.72	-5662.67	21.78	17.01
33	3	79.00	-919.09	43.87	1.72	-5662.67	24.49	0.16
33	3	104.00	-888.88	-36.46	1.64	-5399.84	57.32	-27.02
33	4	54.00	-1297.10	70.49	3.22	-8314.35	24.00	26.11
33	4	79.00	-1308.95	70.49	3.22	-8314.34	27.97	-3.03
33	4	104.00	-1270.11	-45.92	3.14	-7748.99	92.86	-37.96
33	5	54.00	-880.45	42.33	1.60	-5472.89	21.81	16.45
33	5	79.00	-888.04	42.33	1.60	-5472.89	24.44	0.03
33	5	104.00	-858.29	-35.46	1.54	-5212.32	54.91	-26.21
33	6	54.00	-1266.27	68.95	3.10	-8124.56	24.04	25.56
33	6	79.00	-1277.91	68.95	3.10	-8124.56	27.92	-3.16
33	6	104.00	-1239.52	-44.92	3.04	-7561.47	90.45	-37.16
33	7	54.00	-910.66	43.63	1.72	-5659.48	21.98	17.12
33	7	79.00	-918.49	43.63	1.72	-5659.48	24.70	-0.06
33	7	104.00	-888.51	-36.76	1.66	-5397.17	57.77	-27.00
33	8	54.00	-1296.49	70.24	3.22	-8311.15	24.20	26.22
33	8	79.00	-1308.35	70.24	3.22	-8311.15	28.18	-3.26
33	8	104.00	-1269.74	-46.23	3.16	-7746.33	93.31	-37.95
33	9	54.00	-956.60	45.82	1.90	-5942.55	22.03	18.01
33	9	79.00	-964.75	45.82	1.90	-5942.55	24.88	0.02
33	9	104.00	-934.21	-38.41	1.82	-5677.13	61.61	-28.20
33	10	54.00	-1342.42	72.44	3.40	-8594.23	24.25	27.11
33	10	79.00	-1354.61	72.44	3.40	-8594.23	28.36	-3.17
33	10	104.00	-1315.44	-47.88	3.32	-8026.28	97.15	-39.14
33	11	54.00	-986.81	47.12	2.02	-6129.14	22.20	18.67
33	11	79.00	-995.19	47.12	2.02	-6129.14	25.14	-0.07
33	11	104.00	-964.43	-39.72	1.95	-5861.98	64.47	-28.98
33	12	54.00	-1372.64	73.74	3.52	-8780.82	24.42	27.77
33	12	79.00	-1385.05	73.74	3.52	-8780.82	28.62	-3.26
33	12	104.00	-1345.66	-49.18	3.44	-8211.13	100.02	-39.93
33	13	54.00	-955.98	45.57	1.90	-5939.36	22.23	18.11
33	13	79.00	-964.15	45.57	1.90	-5939.36	25.09	-0.20
33	13	104.00	-933.84	-38.72	1.84	-5674.46	62.06	-28.18
33	14	54.00	-1341.81	72.19	3.40	-8591.04	24.45	27.21
33	14	79.00	-1354.01	72.19	3.40	-8591.04	28.57	-3.40
33	14	104.00	-1315.07	-48.18	3.34	-8023.61	97.61	-39.13
33	15	54.00	-986.20	46.87	2.02	-6125.95	22.39	18.78
33	15	79.00	-994.59	46.87	2.02	-6125.95	25.35	-0.29
33	15	104.00	-964.06	-40.02	1.96	-5859.31	64.93	-28.97
33	16	54.00	-1372.02	73.49	3.53	-8777.63	24.62	27.88
33	16	79.00	-1384.45	73.49	3.53	-8777.62	28.83	-3.49
33	16	104.00	-1345.30	-49.49	3.46	-8208.46	100.47	-39.92
...								
33	203	104.00	-920.10	-34.64	2.20	-5608.45	66.36	-27.48
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1385.25	-108.94	-19.68	-8909.52	-210.24	-72.72
			-570.69	135.03	24.73	-3041.32	311.29	69.15

Macro	Tipo	Angolo 1-Z (gradi)
34	**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
34	1	54.00	-733.45	58.46	11.99	-5260.36	-31.77	126.84
34	1	79.00	-743.33	58.46	11.99	-5260.36	-23.82	-35.32
34	1	104.00	-697.34	-11.29	12.41	-4876.26	263.69	-28.47
34	2	54.00	-1034.56	86.56	17.55	-7557.67	-42.68	165.63
34	2	79.00	-1048.77	86.56	17.55	-7557.67	-31.13	-38.39
34	2	104.00	-990.00	-12.06	18.09	-6940.91	381.12	-59.01
34	3	54.00	-757.62	59.85	12.08	-5433.54	-28.98	129.45
34	3	79.00	-767.78	59.85	12.08	-5433.54	-20.77	-34.89
34	3	104.00	-721.34	-12.12	12.51	-5045.92	268.52	-31.27
34	4	54.00	-1058.73	87.95	17.63	-7730.85	-39.89	168.24
34	4	79.00	-1073.22	87.95	17.63	-7730.85	-28.08	-37.96
34	4	104.00	-1014.00	-12.89	18.19	-7110.57	385.95	-61.81
34	5	54.00	-735.84	58.71	12.02	-5266.84	-31.77	126.31
34	5	79.00	-745.63	58.71	12.02	-5266.84	-23.84	-35.43
34	5	104.00	-699.18	-10.72	12.42	-4889.26	264.11	-28.33
34	6	54.00	-1036.95	86.81	17.57	-7564.15	-42.68	165.10
34	6	79.00	-1051.07	86.81	17.57	-7564.15	-31.15	-38.50
34	6	104.00	-991.83	-11.49	18.11	-6953.91	381.54	-58.87
34	7	54.00	-760.00	60.10	12.11	-5440.02	-28.98	128.92
34	7	79.00	-770.08	60.10	12.11	-5440.02	-20.79	-35.00
34	7	104.00	-723.17	-11.55	12.52	-5058.92	268.94	-31.14
34	8	54.00	-1061.11	88.20	17.66	-7737.33	-39.89	167.70
34	8	79.00	-1075.52	88.20	17.66	-7737.33	-28.10	-38.07
34	8	104.00	-1015.83	-12.32	18.20	-7123.57	386.37	-61.67
34	9	54.00	-793.87	61.94	12.21	-5693.31	-24.80	133.36
34	9	79.00	-804.45	61.94	12.21	-5693.31	-16.18	-34.23
34	9	104.00	-757.33	-13.36	12.65	-5300.41	275.77	-35.48
34	10	54.00	-1094.98	90.04	17.76	-7990.62	-35.70	172.15
34	10	79.00	-1109.89	90.04	17.76	-7990.62	-23.49	-37.30
34	10	104.00	-1049.99	-14.13	18.34	-7365.06	393.20	-66.02
34	11	54.00	-818.04	63.33	12.30	-5866.49	-22.01	135.97
34	11	79.00	-828.90	63.33	12.30	-5866.49	-13.12	-33.80
34	11	104.00	-781.33	-14.19	12.75	-5470.07	280.60	-38.28
34	12	54.00	-1119.15	91.43	17.85	-8163.81	-32.91	174.76
34	12	79.00	-1134.34	91.43	17.85	-8163.81	-20.43	-36.87
34	12	104.00	-1073.98	-14.96	18.43	-7534.72	398.03	-68.82
34	13	54.00	-796.25	62.19	12.24	-5699.79	-24.79	132.83
34	13	79.00	-806.75	62.19	12.24	-5699.79	-16.20	-34.34
34	13	104.00	-759.16	-12.79	12.67	-5313.41	276.19	-35.34
34	14	54.00	-1097.36	90.29	17.79	-7997.10	-35.70	171.62
34	14	79.00	-1112.19	90.29	17.79	-7997.10	-23.51	-37.41
34	14	104.00	-1051.82	-13.56	18.35	-7378.05	393.62	-65.88
34	15	54.00	-820.42	63.58	12.33	-5872.97	-22.00	135.44
34	15	79.00	-831.20	63.58	12.33	-5872.97	-13.14	-33.91
34	15	104.00	-783.16	-13.62	12.77	-5483.06	281.02	-38.14
34	16	54.00	-1121.53	91.68	17.88	-8170.29	-32.91	174.22
34	16	79.00	-1136.64	91.68	17.88	-8170.29	-20.45	-36.98
34	16	104.00	-1075.81	-14.38	18.45	-7547.71	398.45	-68.68
...								
34	203	104.00	-738.00	-10.42	12.76	-5173.81	274.65	-43.37
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1177.26	-98.83	-0.83	-8906.64	-168.62	-82.52
			-382.79	155.15	25.67	-2268.32	425.66	174.93

Macro	Tipo	Angolo 1-Z (gradi)
35	**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
35	1	106.00	-576.16	52.68	-13.61	-4114.12	81.82	-114.34
35	1	131.00	-583.99	52.68	-13.61	-4114.12	75.59	44.53
35	1	156.00	-538.39	-1.14	-13.94	-3731.35	-249.79	12.85
35	2	106.00	-808.54	78.82	-20.11	-5912.79	118.80	-146.79
35	2	131.00	-819.86	78.82	-20.11	-5912.79	109.79	52.39
35	2	156.00	-761.45	2.75	-20.56	-5291.29	-362.54	36.36
35	3	106.00	-599.63	54.15	-13.75	-4281.20	79.72	-116.91
35	3	131.00	-607.73	54.15	-13.75	-4281.20	73.22	44.29
35	3	156.00	-561.61	-1.80	-14.10	-3894.15	-255.21	15.70
35	4	106.00	-832.01	80.29	-20.26	-6079.87	116.70	-149.36
35	4	131.00	-843.60	80.29	-20.26	-6079.87	107.42	52.15
35	4	156.00	-784.66	2.09	-20.72	-5454.10	-367.96	39.22
35	5	106.00	-577.36	53.05	-13.62	-4124.49	81.98	-114.38
35	5	131.00	-585.20	53.05	-13.62	-4124.49	75.75	44.62
35	5	156.00	-539.24	-0.72	-13.95	-3739.61	-249.91	12.86
35	6	106.00	-809.74	79.19	-20.12	-5923.16	118.96	-146.83
35	6	131.00	-821.08	79.19	-20.12	-5923.16	109.95	52.48
35	6	156.00	-762.30	3.17	-20.57	-5299.55	-362.66	36.38
35	7	106.00	-600.83	54.51	-13.77	-4291.58	79.88	-116.95
35	7	131.00	-608.94	54.51	-13.77	-4291.58	73.38	44.38

35	7	156.00	-562.46	-1.38	-14.11	-3902.41	-255.33	15.72
35	8	106.00	-833.20	80.65	-20.27	-6090.25	116.86	-149.41
35	8	131.00	-844.81	80.65	-20.27	-6090.25	107.58	52.24
35	8	156.00	-785.52	2.51	-20.73	-5462.36	-368.08	39.23
35	9	106.00	-634.83	56.34	-13.97	-4531.83	76.57	-120.77
35	9	131.00	-643.33	56.34	-13.97	-4531.83	69.67	43.92
35	9	156.00	-596.44	-2.79	-14.33	-4138.35	-263.33	19.98
35	10	106.00	-867.21	82.48	-20.47	-6330.50	113.55	-153.23
35	10	131.00	-879.21	82.48	-20.47	-6330.50	103.87	51.78
35	10	156.00	-819.49	1.09	-20.95	-5698.30	-376.08	43.50
35	11	106.00	-658.30	57.81	-14.11	-4698.92	74.47	-123.35
35	11	131.00	-667.07	57.81	-14.11	-4698.92	67.30	43.68
35	11	156.00	-619.65	-3.45	-14.49	-4301.16	-268.75	22.83
35	12	106.00	-890.68	83.95	-20.62	-6497.59	111.45	-155.80
35	12	131.00	-902.94	83.95	-20.62	-6497.59	101.50	51.54
35	12	156.00	-842.71	0.43	-21.11	-5861.10	-381.49	46.35
35	13	106.00	-636.03	56.71	-13.98	-4542.21	76.72	-120.81
35	13	131.00	-644.54	56.71	-13.98	-4542.21	69.83	44.01
35	13	156.00	-597.29	-2.37	-14.34	-4146.62	-263.45	20.00
35	14	106.00	-868.41	82.85	-20.48	-6340.88	113.70	-153.27
35	14	131.00	-880.42	82.85	-20.48	-6340.88	104.03	51.87
35	14	156.00	-820.34	1.51	-20.96	-5706.56	-376.20	43.51
35	15	106.00	-659.50	58.17	-14.13	-4709.29	74.62	-123.39
35	15	131.00	-668.28	58.17	-14.13	-4709.29	67.46	43.77
35	15	156.00	-620.50	-3.03	-14.50	-4309.42	-268.86	22.85
35	16	106.00	-891.87	84.31	-20.63	-6507.96	111.60	-155.84
35	16	131.00	-904.16	84.31	-20.63	-6507.96	101.66	51.63
35	16	156.00	-843.56	0.85	-21.12	-5869.37	-381.61	46.37
...								
35	203	156.00	-576.78	0.12	-14.55	-4009.31	-262.43	27.76
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-904.56	-68.59	-28.87	-6511.42	-424.84	-155.86
			-371.42	130.51	0.14	-2401.57	229.32	98.77

Macro	Tipo	Angolo 1-Z (gradi)
36	**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
36	1	106.00	-354.25	-54.18	0.06	475.43	-38.29	67.24
36	1	131.00	-362.16	-54.18	0.06	475.43	-36.82	37.80
36	1	156.00	-328.57	4.14	-2.14	274.42	-70.95	-46.87
36	2	106.00	-478.61	-86.85	-0.12	742.31	-54.63	101.03
36	2	131.00	-490.59	-86.85	-0.12	742.31	-52.43	60.93
36	2	156.00	-461.47	-1.97	-3.30	340.91	-108.74	-68.48
36	3	106.00	-368.72	-55.78	-1.74e-03	483.16	-39.43	70.10
36	3	131.00	-376.95	-55.78	-1.74e-03	483.16	-37.89	39.77
36	3	156.00	-343.04	5.20	-2.30	282.59	-75.24	-49.51
36	4	106.00	-493.08	-88.45	-0.18	750.04	-55.78	103.89
36	4	131.00	-505.39	-88.45	-0.18	750.04	-53.51	62.91
36	4	156.00	-475.94	-0.91	-3.45	349.08	-113.03	-71.12
36	5	106.00	-354.46	-54.25	0.07	477.43	-38.58	66.90
36	5	131.00	-362.38	-54.25	0.07	477.43	-37.11	37.87
36	5	156.00	-328.67	4.07	-2.12	275.22	-70.80	-46.93
36	6	106.00	-478.83	-86.92	-0.11	744.31	-54.93	100.69
36	6	131.00	-490.81	-86.92	-0.11	744.31	-52.73	61.01
36	6	156.00	-461.58	-2.04	-3.27	341.72	-108.60	-68.54
36	7	106.00	-368.94	-55.85	0.01	485.16	-39.72	69.76
36	7	131.00	-377.17	-55.85	0.01	485.16	-38.19	39.84
36	7	156.00	-343.15	5.13	-2.27	283.39	-75.09	-49.57
36	8	106.00	-493.30	-88.52	-0.17	752.04	-56.07	103.55
36	8	131.00	-505.61	-88.52	-0.17	752.04	-53.80	62.98
36	8	156.00	-476.05	-0.98	-3.43	349.89	-112.89	-71.19
36	9	106.00	-390.43	-58.18	-0.09	494.76	-41.15	74.40
36	9	131.00	-399.15	-58.18	-0.09	494.76	-39.50	42.73
36	9	156.00	-364.74	6.79	-2.53	294.84	-81.67	-53.47
36	10	106.00	-514.79	-90.85	-0.27	761.63	-57.49	108.19
36	10	131.00	-527.58	-90.85	-0.27	761.63	-55.12	65.87
36	10	156.00	-497.65	0.68	-3.68	361.33	-119.47	-75.09
36	11	106.00	-404.90	-59.78	-0.15	502.49	-42.29	77.26
36	11	131.00	-413.95	-59.78	-0.15	502.49	-40.58	44.71
36	11	156.00	-379.22	7.85	-2.68	303.00	-85.96	-56.12
36	12	106.00	-529.26	-92.45	-0.33	769.37	-58.64	111.05
36	12	131.00	-542.38	-92.45	-0.33	769.37	-56.19	67.84
36	12	156.00	-512.12	1.74	-3.84	369.50	-123.76	-77.73
36	13	106.00	-390.64	-58.25	-0.08	496.76	-41.44	74.06
36	13	131.00	-399.37	-58.25	-0.08	496.76	-39.80	42.81
36	13	156.00	-364.85	6.72	-2.51	295.64	-81.53	-53.54
36	14	106.00	-515.01	-90.92	-0.26	763.63	-57.79	107.85
36	14	131.00	-527.80	-90.92	-0.26	763.63	-55.41	65.94

36	14	156.00	-497.76	0.61	-3.66	362.14	-119.32	-75.15
36	15	106.00	-405.12	-59.85	-0.14	504.49	-42.58	76.92
36	15	131.00	-414.17	-59.85	-0.14	504.49	-40.87	44.78
36	15	156.00	-379.32	7.78	-2.66	303.81	-85.82	-56.18
36	16	106.00	-529.48	-92.52	-0.32	771.37	-58.93	110.71
36	16	131.00	-542.60	-92.52	-0.32	771.37	-56.49	67.92
36	16	156.00	-512.23	1.67	-3.81	370.30	-123.61	-77.79
...								
36	203	156.00	-350.68	1.88	-2.54	262.11	-82.68	-52.54
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-542.67	-133.49	-18.66	-851.89	-318.80	-140.11
			-221.79	86.02	15.86	1865.89	204.14	237.46

Macro	Tipo	Angolo 1-Z (gradi)
37	**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
37	1	106.00	-671.96	25.58	-1.74	-4042.70	-14.96	-11.13
37	1	131.00	-677.40	25.58	-1.74	-4042.70	-17.16	4.14
37	1	156.00	-654.12	-32.08	-1.75	-3908.59	-51.93	21.16
37	2	106.00	-956.96	43.68	-3.47	-5991.65	-12.08	-18.20
37	2	131.00	-965.39	43.68	-3.47	-5991.65	-15.36	10.11
37	2	156.00	-936.91	-40.36	-3.50	-5622.44	-87.81	29.78
37	3	106.00	-702.48	26.65	-1.91	-4227.15	-14.72	-11.86
37	3	131.00	-708.14	26.65	-1.91	-4227.15	-17.02	4.43
37	3	156.00	-684.79	-33.58	-1.92	-4094.86	-55.50	21.97
37	4	106.00	-987.49	44.76	-3.64	-6176.10	-11.83	-18.92
37	4	131.00	-996.13	44.76	-3.64	-6176.10	-15.21	10.40
37	4	156.00	-967.58	-41.86	-3.67	-5808.71	-91.38	30.58
37	5	106.00	-671.81	25.49	-1.76	-4041.33	-14.68	-11.19
37	5	131.00	-677.26	25.49	-1.76	-4041.33	-16.87	4.22
37	5	156.00	-654.04	-32.17	-1.77	-3907.78	-52.11	21.17
37	6	106.00	-956.81	43.60	-3.49	-5990.28	-11.79	-18.26
37	6	131.00	-965.25	43.60	-3.49	-5990.28	-15.07	10.19
37	6	156.00	-936.84	-40.44	-3.52	-5621.62	-87.99	29.79
37	7	106.00	-702.34	26.57	-1.93	-4225.79	-14.43	-11.92
37	7	131.00	-708.00	26.57	-1.93	-4225.79	-16.73	4.51
37	7	156.00	-684.71	-33.67	-1.94	-4094.04	-55.69	21.97
37	8	106.00	-987.34	44.68	-3.66	-6174.73	-11.54	-18.99
37	8	131.00	-995.99	44.68	-3.66	-6174.73	-14.92	10.48
37	8	156.00	-967.51	-41.95	-3.69	-5807.89	-91.56	30.59
37	9	106.00	-748.27	28.26	-2.16	-4503.83	-14.34	-12.95
37	9	131.00	-754.25	28.26	-2.16	-4503.83	-16.80	4.86
37	9	156.00	-730.79	-35.83	-2.18	-4374.26	-60.86	23.18
37	10	106.00	-1033.28	46.37	-3.90	-6452.78	-11.46	-20.02
37	10	131.00	-1042.24	46.37	-3.90	-6452.78	-15.00	10.84
37	10	156.00	-1013.59	-44.11	-3.93	-6088.10	-96.74	31.80
37	11	106.00	-778.80	29.34	-2.33	-4688.28	-14.09	-13.68
37	11	131.00	-784.99	29.34	-2.33	-4688.28	-16.66	5.15
37	11	156.00	-761.46	-37.33	-2.35	-4560.52	-64.43	23.98
37	12	106.00	-1063.80	47.45	-4.06	-6637.23	-11.21	-20.74
37	12	131.00	-1072.98	47.45	-4.06	-6637.23	-14.86	11.12
37	12	156.00	-1044.26	-45.61	-4.10	-6274.37	-100.31	32.60
37	13	106.00	-748.13	28.18	-2.18	-4502.46	-14.06	-13.01
37	13	131.00	-754.11	28.18	-2.18	-4502.46	-16.51	4.94
37	13	156.00	-730.72	-35.92	-2.20	-4373.44	-61.05	23.18
37	14	106.00	-1033.13	46.29	-3.92	-6451.41	-11.17	-20.08
37	14	131.00	-1042.10	46.29	-3.92	-6451.41	-14.71	10.91
37	14	156.00	-1013.52	-44.20	-3.95	-6087.29	-96.92	31.80
37	15	106.00	-778.65	29.26	-2.35	-4686.92	-13.81	-13.74
37	15	131.00	-784.85	29.26	-2.35	-4686.92	-16.37	5.23
37	15	156.00	-761.39	-37.42	-2.37	-4559.71	-64.62	23.99
37	16	106.00	-1063.66	47.37	-4.08	-6635.86	-10.92	-20.81
37	16	131.00	-1072.84	47.37	-4.08	-6635.86	-14.57	11.20
37	16	156.00	-1044.19	-45.70	-4.12	-6273.55	-100.49	32.61
...								
37	203	156.00	-711.22	-31.93	-2.61	-4268.04	-65.82	22.38
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1073.03	-91.09	-27.15	-6637.68	-331.57	-71.25
			-493.84	97.72	21.13	-2640.37	251.02	87.05

Macro	Tipo	Angolo 1-Z (gradi)
41	**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
41	1	106.00	-1815.89	0.0	-7.83	0.0	23.26	0.0
41	1	131.00	-1833.51	0.0	-7.83	0.0	27.37	0.0
41	1	156.00	-1687.86	0.0	6.17	0.0	3.64	0.0
41	2	106.00	-2503.78	0.0	-14.28	0.0	73.58	0.0
41	2	131.00	-2535.14	0.0	-14.28	0.0	79.79	0.0
41	2	156.00	-2354.63	0.0	5.38	0.0	-35.83	0.0
41	3	106.00	-1885.42	0.0	-8.12	0.0	23.34	0.0
41	3	131.00	-1903.72	0.0	-8.12	0.0	27.64	0.0
41	3	156.00	-1758.58	0.0	6.44	0.0	3.50	0.0
41	4	106.00	-2573.31	0.0	-14.57	0.0	73.66	0.0
41	4	131.00	-2605.34	0.0	-14.57	0.0	80.06	0.0
41	4	156.00	-2425.35	0.0	5.64	0.0	-35.97	0.0
41	5	106.00	-1817.31	0.0	-7.85	0.0	23.53	0.0
41	5	131.00	-1834.57	0.0	-7.85	0.0	27.64	0.0
41	5	156.00	-1688.58	0.0	6.16	0.0	3.51	0.0
41	6	106.00	-2505.20	0.0	-14.30	0.0	73.85	0.0
41	6	131.00	-2536.19	0.0	-14.30	0.0	80.05	0.0
41	6	156.00	-2355.36	0.0	5.36	0.0	-35.96	0.0
41	7	106.00	-1886.83	0.0	-8.14	0.0	23.61	0.0
41	7	131.00	-1904.77	0.0	-8.14	0.0	27.90	0.0
41	7	156.00	-1759.31	0.0	6.42	0.0	3.37	0.0
41	8	106.00	-2574.73	0.0	-14.59	0.0	73.93	0.0
41	8	131.00	-2606.40	0.0	-14.59	0.0	80.32	0.0
41	8	156.00	-2426.08	0.0	5.63	0.0	-36.10	0.0
41	9	106.00	-1989.70	0.0	-8.55	0.0	23.46	0.0
41	9	131.00	-2009.02	0.0	-8.55	0.0	28.03	0.0
41	9	156.00	-1864.66	0.0	6.84	0.0	3.30	0.0
41	10	106.00	-2677.59	0.0	-15.01	0.0	73.78	0.0
41	10	131.00	-2710.65	0.0	-15.01	0.0	80.45	0.0
41	10	156.00	-2531.44	0.0	6.04	0.0	-36.17	0.0
41	11	106.00	-2059.22	0.0	-8.84	0.0	23.55	0.0
41	11	131.00	-2079.23	0.0	-8.84	0.0	28.29	0.0
41	11	156.00	-1935.39	0.0	7.10	0.0	3.16	0.0
41	12	106.00	-2747.11	0.0	-15.30	0.0	73.86	0.0
41	12	131.00	-2780.85	0.0	-15.30	0.0	80.71	0.0
41	12	156.00	-2602.16	0.0	6.31	0.0	-36.31	0.0
41	13	106.00	-1991.12	0.0	-8.57	0.0	23.74	0.0
41	13	131.00	-2010.08	0.0	-8.57	0.0	28.29	0.0
41	13	156.00	-1865.39	0.0	6.83	0.0	3.17	0.0
41	14	106.00	-2679.01	0.0	-15.03	0.0	74.05	0.0
41	14	131.00	-2711.70	0.0	-15.03	0.0	80.71	0.0
41	14	156.00	-2532.16	0.0	6.03	0.0	-36.30	0.0
41	15	106.00	-2060.64	0.0	-8.86	0.0	23.82	0.0
41	15	131.00	-2080.28	0.0	-8.86	0.0	28.55	0.0
41	15	156.00	-1936.11	0.0	7.09	0.0	3.03	0.0
41	16	106.00	-2748.53	0.0	-15.31	0.0	74.13	0.0
41	16	131.00	-2781.91	0.0	-15.31	0.0	80.97	0.0
41	16	156.00	-2602.89	0.0	6.30	0.0	-36.44	0.0
...								
41	203	156.00	-1786.26	0.0	4.82	0.0	-18.56	0.0
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-2782.26	-708.46	-23.58	-7.199e+04	-122.04	-441.44
			-1187.65	708.46	10.99	7.199e+04	214.94	441.44

Macro	Tipo	Angolo 1-Z (gradi)
42	**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
42	1	106.00	-268.97	-17.22	-0.41	906.44	-130.01	176.52
42	1	131.00	-276.82	-17.22	-0.41	906.44	-127.16	74.88
42	1	156.00	-245.36	39.41	-3.54	661.85	-192.12	-150.87
42	2	106.00	-355.77	-23.17	-3.43	1251.02	-147.42	241.50
42	2	131.00	-366.96	-23.17	-3.43	1251.02	-143.27	129.99
42	2	156.00	-334.75	57.28	-8.13	843.61	-318.97	-231.94
42	3	106.00	-278.36	-17.94	-0.43	928.45	-135.74	184.05
42	3	131.00	-286.49	-17.94	-0.43	928.45	-132.78	78.17
42	3	156.00	-254.67	41.00	-3.70	681.03	-200.63	-157.63
42	4	106.00	-365.16	-23.89	-3.45	1273.03	-153.15	249.03
42	4	131.00	-376.63	-23.89	-3.45	1273.03	-148.88	133.28
42	4	156.00	-344.06	58.88	-8.30	862.79	-327.48	-238.70
42	5	106.00	-267.13	-16.81	-0.40	888.51	-130.24	176.32
42	5	131.00	-275.00	-16.81	-0.40	888.51	-127.39	74.84
42	5	156.00	-244.05	39.85	-3.52	650.42	-192.09	-150.88
42	6	106.00	-353.94	-22.76	-3.42	1233.09	-147.65	241.30

42	6	131.00	-365.14	-22.76	-3.42	1233.09	-143.49	129.95
42	6	156.00	-333.44	57.72	-8.12	832.18	-318.94	-231.95
42	7	106.00	-276.52	-17.53	-0.42	910.52	-135.97	183.85
42	7	131.00	-284.67	-17.53	-0.42	910.52	-133.00	78.14
42	7	156.00	-253.36	41.44	-3.69	669.60	-200.59	-157.64
42	8	106.00	-363.32	-23.48	-3.44	1255.11	-153.38	248.84
42	8	131.00	-374.81	-23.48	-3.44	1255.11	-149.11	133.25
42	8	156.00	-342.75	59.32	-8.28	851.37	-327.44	-238.71
42	9	106.00	-292.44	-19.02	-0.46	961.48	-144.34	195.35
42	9	131.00	-301.00	-19.02	-0.46	961.48	-141.20	83.11
42	9	156.00	-268.64	43.40	-3.95	709.80	-213.39	-167.77
42	10	106.00	-379.25	-24.97	-3.48	1306.06	-161.75	260.33
42	10	131.00	-391.14	-24.97	-3.48	1306.06	-157.30	138.23
42	10	156.00	-358.03	61.27	-8.54	891.56	-340.23	-248.85
42	11	106.00	-301.83	-19.74	-0.48	983.50	-150.08	202.88
42	11	131.00	-310.67	-19.74	-0.48	983.50	-146.81	86.41
42	11	156.00	-277.95	45.00	-4.12	728.98	-221.89	-174.54
42	12	106.00	-388.63	-25.69	-3.50	1328.08	-167.48	267.86
42	12	131.00	-400.81	-25.69	-3.50	1328.08	-162.91	141.52
42	12	156.00	-367.34	62.87	-8.71	910.74	-348.74	-255.61
42	13	106.00	-290.60	-18.62	-0.45	943.55	-144.57	195.15
42	13	131.00	-299.17	-18.62	-0.45	943.55	-141.42	83.08
42	13	156.00	-267.33	43.84	-3.94	698.37	-213.35	-167.78
42	14	106.00	-377.41	-24.56	-3.47	1288.13	-161.98	260.13
42	14	131.00	-389.31	-24.56	-3.47	1288.13	-157.53	138.19
42	14	156.00	-356.72	61.71	-8.53	880.14	-340.20	-248.86
42	15	106.00	-299.99	-19.34	-0.47	965.57	-150.31	202.68
42	15	131.00	-308.84	-19.34	-0.47	965.57	-147.04	86.37
42	15	156.00	-276.64	45.44	-4.10	717.55	-221.86	-174.55
42	16	106.00	-386.80	-25.28	-3.49	1310.15	-167.71	267.66
42	16	131.00	-398.98	-25.28	-3.49	1310.15	-163.14	141.49
42	16	156.00	-366.03	63.31	-8.70	899.32	-348.71	-255.62
...								
42	203	156.00	-253.29	43.00	-5.48	637.46	-231.30	-171.92
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-479.94	-108.73	-11.68	-833.69	-356.04	-272.42
			-110.31	139.93	5.71	2997.69	-11.12	316.57

Macro	Tipo	Angolo 1-Z (gradi)
44	**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
44	1	106.00	-268.97	-17.22	0.41	906.44	130.01	-176.52
44	1	131.00	-276.82	-17.22	0.41	906.44	127.16	-74.88
44	1	156.00	-245.36	39.41	3.54	661.85	192.12	150.87
44	2	106.00	-355.77	-23.17	3.43	1251.02	147.42	-241.50
44	2	131.00	-366.96	-23.17	3.43	1251.02	143.27	-129.99
44	2	156.00	-334.75	57.28	8.13	843.61	318.97	231.94
44	3	106.00	-278.36	-17.94	0.43	928.45	135.74	-184.05
44	3	131.00	-286.49	-17.94	0.43	928.45	132.78	-78.17
44	3	156.00	-254.67	41.00	3.70	681.03	200.63	157.63
44	4	106.00	-365.16	-23.89	3.45	1273.03	153.15	-249.03
44	4	131.00	-376.63	-23.89	3.45	1273.03	148.88	-133.28
44	4	156.00	-344.06	58.88	8.30	862.79	327.48	238.70
44	5	106.00	-267.13	-16.81	0.40	888.51	130.24	-176.32
44	5	131.00	-275.00	-16.81	0.40	888.51	127.39	-74.84
44	5	156.00	-244.05	39.85	3.52	650.42	192.09	150.88
44	6	106.00	-353.94	-22.76	3.42	1233.09	147.65	-241.30
44	6	131.00	-365.14	-22.76	3.42	1233.09	143.49	-129.95
44	6	156.00	-333.44	57.72	8.12	832.18	318.94	231.95
44	7	106.00	-276.52	-17.53	0.42	910.52	135.97	-183.85
44	7	131.00	-284.67	-17.53	0.42	910.52	133.00	-78.14
44	7	156.00	-253.36	41.44	3.69	669.60	200.59	157.64
44	8	106.00	-363.32	-23.48	3.44	1255.11	153.38	-248.84
44	8	131.00	-374.81	-23.48	3.44	1255.11	149.11	-133.25
44	8	156.00	-342.75	59.32	8.28	851.37	327.44	238.71
44	9	106.00	-292.44	-19.02	0.46	961.48	144.34	-195.35
44	9	131.00	-301.00	-19.02	0.46	961.48	141.20	-83.11
44	9	156.00	-268.64	43.40	3.95	709.80	213.39	167.77
44	10	106.00	-379.25	-24.97	3.48	1306.06	161.75	-260.33
44	10	131.00	-391.14	-24.97	3.48	1306.06	157.30	-138.23
44	10	156.00	-358.03	61.27	8.54	891.56	340.23	248.85
44	11	106.00	-301.83	-19.74	0.48	983.50	150.08	-202.88
44	11	131.00	-310.67	-19.74	0.48	983.50	146.81	-86.41
44	11	156.00	-277.95	45.00	4.12	728.98	221.89	174.54
44	12	106.00	-388.63	-25.69	3.50	1328.08	167.48	-267.86
44	12	131.00	-400.81	-25.69	3.50	1328.08	162.91	-141.52
44	12	156.00	-367.34	62.87	8.71	910.74	348.74	255.61
44	13	106.00	-290.60	-18.62	0.45	943.55	144.57	-195.15

44	13	131.00	-299.17	-18.62	0.45	943.55	141.42	-83.08
44	13	156.00	-267.33	43.84	3.94	698.37	213.35	167.78
44	14	106.00	-377.41	-24.56	3.47	1288.13	161.98	-260.13
44	14	131.00	-389.31	-24.56	3.47	1288.13	157.53	-138.19
44	14	156.00	-356.72	61.71	8.53	880.14	340.20	248.86
44	15	106.00	-299.99	-19.34	0.47	965.57	150.31	-202.68
44	15	131.00	-308.84	-19.34	0.47	965.57	147.04	-86.37
44	15	156.00	-276.64	45.44	4.10	717.55	221.86	174.55
44	16	106.00	-386.80	-25.28	3.49	1310.15	167.71	-267.66
44	16	131.00	-398.98	-25.28	3.49	1310.15	163.14	-141.49
44	16	156.00	-366.03	63.31	8.70	899.32	348.71	255.62
...								
44	203	156.00	-253.29	43.00	5.48	637.46	231.30	171.92
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-479.94	-108.73	-5.71	-833.69	11.12	-316.57
			-110.31	139.93	11.68	2997.69	356.04	272.42

Macro	Tipo	Angolo 1-Z (gradi)
45	**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
45	1	106.00	-390.89	-39.99	0.08	349.45	-10.27	16.71
45	1	131.00	-398.58	-39.99	0.08	349.45	-9.92	9.89
45	1	156.00	-362.64	17.92	-0.31	128.77	-14.98	-9.47
45	2	106.00	-537.81	-65.20	0.03	580.96	-14.48	25.47
45	2	131.00	-549.54	-65.20	0.03	580.96	-13.95	16.36
45	2	156.00	-515.73	19.84	-0.53	140.92	-24.04	-14.05
45	3	106.00	-407.53	-41.56	0.06	353.54	-10.53	17.46
45	3	131.00	-415.56	-41.56	0.06	353.54	-10.17	10.45
45	3	156.00	-379.24	19.07	-0.35	131.92	-16.03	-10.03
45	4	106.00	-554.45	-66.77	0.01	585.05	-14.74	26.22
45	4	131.00	-566.52	-66.77	0.01	585.05	-14.19	16.92
45	4	156.00	-532.33	20.99	-0.57	144.07	-25.10	-14.62
45	5	106.00	-391.78	-40.31	0.09	358.68	-10.40	16.66
45	5	131.00	-399.48	-40.31	0.09	358.68	-10.05	9.91
45	5	156.00	-363.35	17.55	-0.30	136.08	-14.92	-9.50
45	6	106.00	-538.70	-65.52	0.03	590.20	-14.61	25.41
45	6	131.00	-550.43	-65.52	0.03	590.20	-14.07	16.38
45	6	156.00	-516.44	19.47	-0.52	148.23	-23.98	-14.08
45	7	106.00	-408.42	-41.88	0.07	362.78	-10.66	17.41
45	7	131.00	-416.46	-41.88	0.07	362.78	-10.29	10.47
45	7	156.00	-379.95	18.70	-0.33	139.23	-15.97	-10.07
45	8	106.00	-555.34	-67.09	0.02	594.29	-14.87	26.17
45	8	131.00	-567.42	-67.09	0.02	594.29	-14.32	16.94
45	8	156.00	-533.04	20.62	-0.56	151.38	-25.04	-14.65
45	9	106.00	-432.50	-43.91	0.04	359.67	-10.92	18.59
45	9	131.00	-441.03	-43.91	0.04	359.67	-10.53	11.29
45	9	156.00	-404.15	20.80	-0.40	136.65	-17.61	-10.89
45	10	106.00	-579.42	-69.12	-0.02	591.19	-15.13	27.35
45	10	131.00	-591.99	-69.12	-0.02	591.19	-14.56	17.76
45	10	156.00	-557.24	22.72	-0.62	148.79	-26.68	-15.47
45	11	106.00	-449.14	-45.48	0.02	363.77	-11.18	19.35
45	11	131.00	-458.02	-45.48	0.02	363.77	-10.77	11.85
45	11	156.00	-420.75	21.96	-0.43	139.80	-18.67	-11.46
45	12	106.00	-596.06	-70.69	-0.03	595.28	-15.39	28.10
45	12	131.00	-608.97	-70.69	-0.03	595.28	-14.80	18.32
45	12	156.00	-573.84	23.87	-0.66	151.94	-27.73	-16.04
45	13	106.00	-433.39	-44.24	0.04	368.91	-11.05	18.54
45	13	131.00	-441.93	-44.24	0.04	368.91	-10.65	11.32
45	13	156.00	-404.86	20.43	-0.39	143.96	-17.55	-10.92
45	14	106.00	-580.31	-69.44	-0.01	600.42	-15.26	27.29
45	14	131.00	-592.89	-69.44	-0.01	600.42	-14.68	17.78
45	14	156.00	-557.95	22.35	-0.61	156.10	-26.62	-15.50
45	15	106.00	-450.03	-45.81	0.02	373.00	-11.31	19.29
45	15	131.00	-458.91	-45.81	0.02	373.00	-10.90	11.88
45	15	156.00	-421.46	21.59	-0.42	147.11	-18.61	-11.49
45	16	106.00	-596.95	-71.01	-0.03	604.52	-15.52	28.05
45	16	131.00	-609.87	-71.01	-0.03	604.52	-14.92	18.34
45	16	156.00	-574.55	23.50	-0.65	159.25	-27.68	-16.07
...								
45	203	156.00	-391.87	16.82	-0.42	114.22	-18.30	-10.80
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-610.17	-106.91	-17.66	-787.96	-265.55	-180.30
			-278.64	87.00	17.03	1480.42	243.56	206.65

Macro	Tipo	Angolo 1-Z (gradi)
46	**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
46	1	106.00	-716.02	33.49	-0.71	-4091.51	-0.05	-3.14
46	1	131.00	-721.05	33.49	-0.71	-4091.51	-0.53	3.64
46	1	156.00	-692.57	-23.32	-0.73	-3908.79	-16.23	3.31
46	2	106.00	-1028.72	55.98	-1.18	-6108.29	1.07	-4.39
46	2	131.00	-1036.61	55.98	-1.18	-6108.29	0.35	5.86
46	2	156.00	-1000.34	-27.61	-1.23	-5667.84	-25.74	5.47
46	3	106.00	-749.24	34.66	-0.75	-4282.52	0.03	-3.28
46	3	131.00	-754.48	34.66	-0.75	-4282.52	-0.47	3.76
46	3	156.00	-725.89	-24.76	-0.78	-4100.53	-17.14	3.52
46	4	106.00	-1061.94	57.15	-1.23	-6299.30	1.16	-4.52
46	4	131.00	-1070.03	57.15	-1.23	-6299.30	0.41	5.97
46	4	156.00	-1033.67	-29.06	-1.27	-5859.58	-26.65	5.68
46	5	106.00	-715.09	33.19	-0.71	-4083.74	-0.02	-3.14
46	5	131.00	-720.13	33.19	-0.71	-4083.74	-0.50	3.68
46	5	156.00	-691.87	-23.63	-0.74	-3903.11	-16.29	3.30
46	6	106.00	-1027.79	55.68	-1.18	-6100.52	1.10	-4.39
46	6	131.00	-1035.68	55.68	-1.18	-6100.52	0.38	5.89
46	6	156.00	-999.65	-27.92	-1.23	-5662.16	-25.80	5.46
46	7	106.00	-748.32	34.36	-0.76	-4274.75	0.06	-3.28
46	7	131.00	-753.56	34.36	-0.76	-4274.75	-0.44	3.79
46	7	156.00	-725.19	-25.07	-0.78	-4094.85	-17.20	3.51
46	8	106.00	-1061.02	56.85	-1.23	-6291.53	1.18	-4.53
46	8	131.00	-1069.11	56.85	-1.23	-6291.53	0.44	6.00
46	8	156.00	-1032.97	-29.37	-1.28	-5853.90	-26.71	5.67
46	9	106.00	-799.07	36.43	-0.82	-4569.03	0.16	-3.48
46	9	131.00	-804.62	36.43	-0.82	-4569.03	-0.38	3.93
46	9	156.00	-775.87	-26.93	-0.85	-4388.15	-18.50	3.84
46	10	106.00	-1111.77	58.91	-1.29	-6585.81	1.28	-4.73
46	10	131.00	-1120.18	58.91	-1.29	-6585.81	0.50	6.14
46	10	156.00	-1083.65	-31.23	-1.34	-6147.20	-28.01	6.00
46	11	106.00	-832.29	37.60	-0.86	-4760.04	0.24	-3.61
46	11	131.00	-838.05	37.60	-0.86	-4760.04	-0.32	4.05
46	11	156.00	-809.19	-28.38	-0.90	-4579.90	-19.41	4.05
46	12	106.00	-1144.99	60.09	-1.34	-6776.82	1.37	-4.86
46	12	131.00	-1153.60	60.09	-1.34	-6776.82	0.56	6.26
46	12	156.00	-1116.97	-32.67	-1.39	-6338.95	-28.92	6.21
46	13	106.00	-798.15	36.13	-0.82	-4561.26	0.19	-3.48
46	13	131.00	-803.70	36.13	-0.82	-4561.26	-0.35	3.96
46	13	156.00	-775.18	-27.24	-0.85	-4382.48	-18.56	3.83
46	14	106.00	-1110.85	58.61	-1.29	-6578.04	1.31	-4.73
46	14	131.00	-1119.25	58.61	-1.29	-6578.04	0.53	6.17
46	14	156.00	-1082.96	-31.54	-1.34	-6141.52	-28.07	5.99
46	15	106.00	-831.37	37.30	-0.87	-4752.27	0.27	-3.61
46	15	131.00	-837.13	37.30	-0.87	-4752.27	-0.29	4.08
46	15	156.00	-808.50	-28.69	-0.90	-4574.22	-19.47	4.04
46	16	106.00	-1144.07	59.79	-1.34	-6769.05	1.40	-4.86
46	16	131.00	-1152.68	59.79	-1.34	-6769.05	0.59	6.29
46	16	156.00	-1116.28	-32.98	-1.39	-6333.27	-28.98	6.20
...								
46	203	156.00	-758.83	-23.05	-0.91	-4300.66	-19.28	4.09
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1153.91	-70.53	-25.37	-6779.41	-284.33	-75.60
			-531.90	93.67	23.42	-2999.84	258.58	84.59

Macro	Tipo	Angolo 1-Z (gradi)
47	**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
47	1	106.00	-390.89	-39.99	-0.08	349.45	10.27	-16.71
47	1	131.00	-398.58	-39.99	-0.08	349.45	9.92	-9.89
47	1	156.00	-362.64	17.92	0.31	128.77	14.98	9.47
47	2	106.00	-537.81	-65.20	-0.03	580.96	14.48	-25.47
47	2	131.00	-549.54	-65.20	-0.03	580.96	13.95	-16.36
47	2	156.00	-515.73	19.84	0.53	140.92	24.04	14.05
47	3	106.00	-407.53	-41.56	-0.06	353.54	10.53	-17.46
47	3	131.00	-415.56	-41.56	-0.06	353.54	10.17	-10.45
47	3	156.00	-379.24	19.07	0.35	131.92	16.03	10.03
47	4	106.00	-554.45	-66.77	-0.01	585.05	14.74	-26.22
47	4	131.00	-566.52	-66.77	-0.01	585.05	14.19	-16.92
47	4	156.00	-532.33	20.99	0.57	144.07	25.10	14.62
47	5	106.00	-391.78	-40.31	-0.09	358.68	10.40	-16.66

47	5	131.00	-399.48	-40.31	-0.09	358.68	10.05	-9.91
47	5	156.00	-363.35	17.55	0.30	136.08	14.92	9.50
47	6	106.00	-538.70	-65.52	-0.03	590.20	14.61	-25.41
47	6	131.00	-550.43	-65.52	-0.03	590.20	14.07	-16.38
47	6	156.00	-516.44	19.47	0.52	148.23	23.98	14.08
47	7	106.00	-408.42	-41.88	-0.07	362.78	10.66	-17.41
47	7	131.00	-416.46	-41.88	-0.07	362.78	10.29	-10.47
47	7	156.00	-379.95	18.70	0.33	139.23	15.97	10.07
47	8	106.00	-555.34	-67.09	-0.02	594.29	14.87	-26.17
47	8	131.00	-567.42	-67.09	-0.02	594.29	14.32	-16.94
47	8	156.00	-533.04	20.62	0.56	151.38	25.04	14.65
47	9	106.00	-432.50	-43.91	-0.04	359.67	10.92	-18.59
47	9	131.00	-441.03	-43.91	-0.04	359.67	10.53	-11.29
47	9	156.00	-404.15	20.80	0.40	136.65	17.61	10.89
47	10	106.00	-579.42	-69.12	0.02	591.19	15.13	-27.35
47	10	131.00	-591.99	-69.12	0.02	591.19	14.56	-17.76
47	10	156.00	-557.24	22.72	0.62	148.79	26.68	15.47
47	11	106.00	-449.14	-45.48	-0.02	363.77	11.18	-19.35
47	11	131.00	-458.02	-45.48	-0.02	363.77	10.77	-11.85
47	11	156.00	-420.75	21.96	0.43	139.80	18.67	11.46
47	12	106.00	-596.06	-70.69	0.03	595.28	15.39	-28.10
47	12	131.00	-608.97	-70.69	0.03	595.28	14.80	-18.32
47	12	156.00	-573.84	23.87	0.66	151.94	27.73	16.04
47	13	106.00	-433.39	-44.24	-0.04	368.91	11.05	-18.54
47	13	131.00	-441.93	-44.24	-0.04	368.91	10.65	-11.32
47	13	156.00	-404.86	20.43	0.39	143.96	17.55	10.92
47	14	106.00	-580.31	-69.44	0.01	600.42	15.26	-27.29
47	14	131.00	-592.89	-69.44	0.01	600.42	14.68	-17.78
47	14	156.00	-557.95	22.35	0.61	156.10	26.62	15.50
47	15	106.00	-450.03	-45.81	-0.02	373.00	11.31	-19.29
47	15	131.00	-458.91	-45.81	-0.02	373.00	10.90	-11.88
47	15	156.00	-421.46	21.59	0.42	147.11	18.61	11.49
47	16	106.00	-596.95	-71.01	0.03	604.52	15.52	-28.05
47	16	131.00	-609.87	-71.01	0.03	604.52	14.92	-18.34
47	16	156.00	-574.55	23.50	0.65	159.25	27.68	16.07
...								
47	203	156.00	-391.87	16.82	0.42	114.22	18.30	10.80
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-610.17	-106.91	-17.03	-787.96	-243.56	-206.65
			-278.64	87.00	17.66	1480.42	265.55	180.30

Macro	Tipo	Angolo 1-Z (gradi)
48	**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
48	1	106.00	-716.02	33.49	0.71	-4091.51	0.05	3.14
48	1	131.00	-721.05	33.49	0.71	-4091.51	0.53	-3.64
48	1	156.00	-692.57	-23.32	0.73	-3908.79	16.23	-3.31
48	2	106.00	-1028.72	55.98	1.18	-6108.29	-1.07	4.39
48	2	131.00	-1036.61	55.98	1.18	-6108.29	-0.35	-5.86
48	2	156.00	-1000.34	-27.61	1.23	-5667.84	25.74	-5.47
48	3	106.00	-749.24	34.66	0.75	-4282.52	-0.03	3.28
48	3	131.00	-754.48	34.66	0.75	-4282.52	0.47	-3.76
48	3	156.00	-725.89	-24.76	0.78	-4100.53	17.14	-3.52
48	4	106.00	-1061.94	57.15	1.23	-6299.30	-1.16	4.52
48	4	131.00	-1070.03	57.15	1.23	-6299.30	-0.41	-5.97
48	4	156.00	-1033.67	-29.06	1.27	-5859.58	26.65	-5.68
48	5	106.00	-715.09	33.19	0.71	-4083.74	0.02	3.14
48	5	131.00	-720.13	33.19	0.71	-4083.74	0.50	-3.68
48	5	156.00	-691.87	-23.63	0.74	-3903.11	16.29	-3.30
48	6	106.00	-1027.79	55.68	1.18	-6100.52	-1.10	4.39
48	6	131.00	-1035.68	55.68	1.18	-6100.52	-0.38	-5.89
48	6	156.00	-999.65	-27.92	1.23	-5662.16	25.80	-5.46
48	7	106.00	-748.32	34.36	0.76	-4274.75	-0.06	3.28
48	7	131.00	-753.56	34.36	0.76	-4274.75	0.44	-3.79
48	7	156.00	-725.19	-25.07	0.78	-4094.85	17.20	-3.51
48	8	106.00	-1061.02	56.85	1.23	-6291.53	-1.18	4.53
48	8	131.00	-1069.11	56.85	1.23	-6291.53	-0.44	-6.00
48	8	156.00	-1032.97	-29.37	1.28	-5853.90	26.71	-5.67
48	9	106.00	-799.07	36.43	0.82	-4569.03	-0.16	3.48
48	9	131.00	-804.62	36.43	0.82	-4569.03	0.38	-3.93
48	9	156.00	-775.87	-26.93	0.85	-4388.15	18.50	-3.84
48	10	106.00	-1111.77	58.91	1.29	-6585.81	-1.28	4.73
48	10	131.00	-1120.18	58.91	1.29	-6585.81	-0.50	-6.14
48	10	156.00	-1083.65	-31.23	1.34	-6147.20	28.01	-6.00
48	11	106.00	-832.29	37.60	0.86	-4760.04	-0.24	3.61
48	11	131.00	-838.05	37.60	0.86	-4760.04	0.32	-4.05
48	11	156.00	-809.19	-28.38	0.90	-4579.90	19.41	-4.05
48	12	106.00	-1144.99	60.09	1.34	-6776.82	-1.37	4.86

48	12	131.00	-1153.60	60.09	1.34	-6776.82	-0.56	-6.26
48	12	156.00	-1116.97	-32.67	1.39	-6338.95	28.92	-6.21
48	13	106.00	-798.15	36.13	0.82	-4561.26	-0.19	3.48
48	13	131.00	-803.70	36.13	0.82	-4561.26	0.35	-3.96
48	13	156.00	-775.18	-27.24	0.85	-4382.48	18.56	-3.83
48	14	106.00	-1110.85	58.61	1.29	-6578.04	-1.31	4.73
48	14	131.00	-1119.25	58.61	1.29	-6578.04	-0.53	-6.17
48	14	156.00	-1082.96	-31.54	1.34	-6141.52	28.07	-5.99
48	15	106.00	-831.37	37.30	0.87	-4752.27	-0.27	3.61
48	15	131.00	-837.13	37.30	0.87	-4752.27	0.29	-4.08
48	15	156.00	-808.50	-28.69	0.90	-4574.22	19.47	-4.04
48	16	106.00	-1144.07	59.79	1.34	-6769.05	-1.40	4.86
48	16	131.00	-1152.68	59.79	1.34	-6769.05	-0.59	-6.29
48	16	156.00	-1116.28	-32.98	1.39	-6333.27	28.98	-6.20
...								
48	203	156.00	-758.83	-23.05	0.91	-4300.66	19.28	-4.09
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1153.91	-70.53	-23.42	-6779.41	-258.58	-84.59
			-531.90	93.67	25.37	-2999.84	284.33	75.60

Macro	Tipo	Angolo 1-Z (gradi)
49	**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
49	1	106.00	-354.25	-54.18	-0.06	475.43	38.29	-67.24
49	1	131.00	-362.16	-54.18	-0.06	475.43	36.82	-37.80
49	1	156.00	-328.57	4.14	2.14	274.42	70.95	46.87
49	2	106.00	-478.61	-86.85	0.12	742.31	54.63	-101.03
49	2	131.00	-490.59	-86.85	0.12	742.31	52.43	-60.93
49	2	156.00	-461.47	-1.97	3.30	340.91	108.74	68.48
49	3	106.00	-368.72	-55.78	1.74e-03	483.16	39.43	-70.10
49	3	131.00	-376.95	-55.78	1.74e-03	483.16	37.89	-39.77
49	3	156.00	-343.04	5.20	2.30	282.59	75.24	49.51
49	4	106.00	-493.08	-88.45	0.18	750.04	55.78	-103.89
49	4	131.00	-505.39	-88.45	0.18	750.04	53.51	-62.91
49	4	156.00	-475.94	-0.91	3.45	349.08	113.03	71.12
49	5	106.00	-354.46	-54.25	-0.07	477.43	38.58	-66.90
49	5	131.00	-362.38	-54.25	-0.07	477.43	37.11	-37.87
49	5	156.00	-328.67	4.07	2.12	275.22	70.80	46.93
49	6	106.00	-478.83	-86.92	0.11	744.31	54.93	-100.69
49	6	131.00	-490.81	-86.92	0.11	744.31	52.73	-61.01
49	6	156.00	-461.58	-2.04	3.27	341.72	108.60	68.54
49	7	106.00	-368.94	-55.85	-0.01	485.16	39.72	-69.76
49	7	131.00	-377.17	-55.85	-0.01	485.16	38.19	-39.84
49	7	156.00	-343.15	5.13	2.27	283.39	75.09	49.57
49	8	106.00	-493.30	-88.52	0.17	752.04	56.07	-103.55
49	8	131.00	-505.61	-88.52	0.17	752.04	53.80	-62.98
49	8	156.00	-476.05	-0.98	3.43	349.89	112.89	71.19
49	9	106.00	-390.43	-58.18	0.09	494.76	41.15	-74.40
49	9	131.00	-399.15	-58.18	0.09	494.76	39.50	-42.73
49	9	156.00	-364.74	6.79	2.53	294.84	81.67	53.47
49	10	106.00	-514.79	-90.85	0.27	761.63	57.49	-108.19
49	10	131.00	-527.58	-90.85	0.27	761.63	55.12	-65.87
49	10	156.00	-497.65	0.68	3.68	361.33	119.47	75.09
49	11	106.00	-404.90	-59.78	0.15	502.49	42.29	-77.26
49	11	131.00	-413.95	-59.78	0.15	502.49	40.58	-44.71
49	11	156.00	-379.22	7.85	2.68	303.00	85.96	56.12
49	12	106.00	-529.26	-92.45	0.33	769.37	58.64	-111.05
49	12	131.00	-542.38	-92.45	0.33	769.37	56.19	-67.84
49	12	156.00	-512.12	1.74	3.84	369.50	123.76	77.73
49	13	106.00	-390.64	-58.25	0.08	496.76	41.44	-74.06
49	13	131.00	-399.37	-58.25	0.08	496.76	39.80	-42.81
49	13	156.00	-364.85	6.72	2.51	295.64	81.53	53.54
49	14	106.00	-515.01	-90.92	0.26	763.63	57.79	-107.85
49	14	131.00	-527.80	-90.92	0.26	763.63	55.41	-65.94
49	14	156.00	-497.76	0.61	3.66	362.14	119.32	75.15
49	15	106.00	-405.12	-59.85	0.14	504.49	42.58	-76.92
49	15	131.00	-414.17	-59.85	0.14	504.49	40.87	-44.78
49	15	156.00	-379.32	7.78	2.66	303.81	85.82	56.18
49	16	106.00	-529.48	-92.52	0.32	771.37	58.93	-110.71
49	16	131.00	-542.60	-92.52	0.32	771.37	56.49	-67.92
49	16	156.00	-512.23	1.67	3.81	370.30	123.61	77.79
...								
49	203	156.00	-350.68	1.88	2.54	262.11	82.68	52.54
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-542.67	-133.49	-15.86	-851.89	-204.14	-237.46
			-221.79	86.02	18.66	1865.89	318.80	140.11

Macro	Tipo	Angolo 1-Z (gradi)
50	**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
50	1	106.00	-671.96	25.58	1.74	-4042.70	14.96	11.13
50	1	131.00	-677.40	25.58	1.74	-4042.70	17.16	-4.14
50	1	156.00	-654.12	-32.08	1.75	-3908.59	51.93	-21.16
50	2	106.00	-956.96	43.68	3.47	-5991.65	12.08	18.20
50	2	131.00	-965.39	43.68	3.47	-5991.65	15.36	-10.11
50	2	156.00	-936.91	-40.36	3.50	-5622.44	87.81	-29.78
50	3	106.00	-702.48	26.65	1.91	-4227.15	14.72	11.86
50	3	131.00	-708.14	26.65	1.91	-4227.15	17.02	-4.43
50	3	156.00	-684.79	-33.58	1.92	-4094.86	55.50	-21.97
50	4	106.00	-987.49	44.76	3.64	-6176.10	11.83	18.92
50	4	131.00	-996.13	44.76	3.64	-6176.10	15.21	-10.40
50	4	156.00	-967.58	-41.86	3.67	-5808.71	91.38	-30.58
50	5	106.00	-671.81	25.49	1.76	-4041.33	14.68	11.19
50	5	131.00	-677.26	25.49	1.76	-4041.33	16.87	-4.22
50	5	156.00	-654.04	-32.17	1.77	-3907.78	52.11	-21.17
50	6	106.00	-956.81	43.60	3.49	-5990.28	11.79	18.26
50	6	131.00	-965.25	43.60	3.49	-5990.28	15.07	-10.19
50	6	156.00	-936.84	-40.44	3.52	-5621.62	87.99	-29.79
50	7	106.00	-702.34	26.57	1.93	-4225.79	14.43	11.92
50	7	131.00	-708.00	26.57	1.93	-4225.79	16.73	-4.51
50	7	156.00	-684.71	-33.67	1.94	-4094.04	55.69	-21.97
50	8	106.00	-987.34	44.68	3.66	-6174.73	11.54	18.99
50	8	131.00	-995.99	44.68	3.66	-6174.73	14.92	-10.48
50	8	156.00	-967.51	-41.95	3.69	-5807.89	91.56	-30.59
50	9	106.00	-748.27	28.26	2.16	-4503.83	14.34	12.95
50	9	131.00	-754.25	28.26	2.16	-4503.83	16.80	-4.86
50	9	156.00	-730.79	-35.83	2.18	-4374.26	60.86	-23.18
50	10	106.00	-1033.28	46.37	3.90	-6452.78	11.46	20.02
50	10	131.00	-1042.24	46.37	3.90	-6452.78	15.00	-10.84
50	10	156.00	-1013.59	-44.11	3.93	-6088.10	96.74	-31.80
50	11	106.00	-778.80	29.34	2.33	-4688.28	14.09	13.68
50	11	131.00	-784.99	29.34	2.33	-4688.28	16.66	-5.15
50	11	156.00	-761.46	-37.33	2.35	-4560.52	64.43	-23.98
50	12	106.00	-1063.80	47.45	4.06	-6637.23	11.21	20.74
50	12	131.00	-1072.98	47.45	4.06	-6637.23	14.86	-11.12
50	12	156.00	-1044.26	-45.61	4.10	-6274.37	100.31	-32.60
50	13	106.00	-748.13	28.18	2.18	-4502.46	14.06	13.01
50	13	131.00	-754.11	28.18	2.18	-4502.46	16.51	-4.94
50	13	156.00	-730.72	-35.92	2.20	-4373.44	61.05	-23.18
50	14	106.00	-1033.13	46.29	3.92	-6451.41	11.17	20.08
50	14	131.00	-1042.10	46.29	3.92	-6451.41	14.71	-10.91
50	14	156.00	-1013.52	-44.20	3.95	-6087.29	96.92	-31.80
50	15	106.00	-778.65	29.26	2.35	-4686.92	13.81	13.74
50	15	131.00	-784.85	29.26	2.35	-4686.92	16.37	-5.23
50	15	156.00	-761.39	-37.42	2.37	-4559.71	64.62	-23.99
50	16	106.00	-1063.66	47.37	4.08	-6635.86	10.92	20.81
50	16	131.00	-1072.84	47.37	4.08	-6635.86	14.57	-11.20
50	16	156.00	-1044.19	-45.70	4.12	-6273.55	100.49	-32.61
...								
50	203	156.00	-711.22	-31.93	2.61	-4268.04	65.82	-22.38
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1073.03	-91.09	-21.13	-6637.68	-251.02	-87.05
			-493.84	97.72	27.15	-2640.37	331.57	71.25

Macro	Tipo	Angolo 1-Z (gradi)
51	**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
51	1	106.00	-576.16	52.68	13.61	-4114.12	-81.82	114.34
51	1	131.00	-583.99	52.68	13.61	-4114.12	-75.59	-44.53
51	1	156.00	-538.39	-1.14	13.94	-3731.35	249.79	-12.85
51	2	106.00	-808.54	78.82	20.11	-5912.79	-118.80	146.79
51	2	131.00	-819.86	78.82	20.11	-5912.79	-109.79	-52.39
51	2	156.00	-761.45	2.75	20.56	-5291.29	362.54	-36.36
51	3	106.00	-599.63	54.15	13.75	-4281.20	-79.72	116.91
51	3	131.00	-607.73	54.15	13.75	-4281.20	-73.22	-44.29
51	3	156.00	-561.61	-1.80	14.10	-3894.15	255.21	-15.70
51	4	106.00	-832.01	80.29	20.26	-6079.87	-116.70	149.36
51	4	131.00	-843.60	80.29	20.26	-6079.87	-107.42	-52.15

51	4	156.00	-784.66	2.09	20.72	-5454.10	367.96	-39.22
51	5	106.00	-577.36	53.05	13.62	-4124.49	-81.98	114.38
51	5	131.00	-585.20	53.05	13.62	-4124.49	-75.75	-44.62
51	5	156.00	-539.24	-0.72	13.95	-3739.61	249.91	-12.86
51	6	106.00	-809.74	79.19	20.12	-5923.16	-118.96	146.83
51	6	131.00	-821.08	79.19	20.12	-5923.16	-109.95	-52.48
51	6	156.00	-762.30	3.17	20.57	-5299.55	362.66	-36.38
51	7	106.00	-600.83	54.51	13.77	-4291.58	-79.88	116.95
51	7	131.00	-608.94	54.51	13.77	-4291.58	-73.38	-44.38
51	7	156.00	-562.46	-1.38	14.11	-3902.41	255.33	-15.72
51	8	106.00	-833.20	80.65	20.27	-6090.25	-116.86	149.41
51	8	131.00	-844.81	80.65	20.27	-6090.25	-107.58	-52.24
51	8	156.00	-785.52	2.51	20.73	-5462.36	368.08	-39.23
51	9	106.00	-634.83	56.34	13.97	-4531.83	-76.57	120.77
51	9	131.00	-643.33	56.34	13.97	-4531.83	-69.67	-43.92
51	9	156.00	-596.44	-2.79	14.33	-4138.35	263.33	-19.98
51	10	106.00	-867.21	82.48	20.47	-6330.50	-113.55	153.23
51	10	131.00	-879.21	82.48	20.47	-6330.50	-103.87	-51.78
51	10	156.00	-819.49	1.09	20.95	-5698.30	376.08	-43.50
51	11	106.00	-658.30	57.81	14.11	-4698.92	-74.47	123.35
51	11	131.00	-667.07	57.81	14.11	-4698.92	-67.30	-43.68
51	11	156.00	-619.65	-3.45	14.49	-4301.16	268.75	-22.83
51	12	106.00	-890.68	83.95	20.62	-6497.59	-111.45	155.80
51	12	131.00	-902.94	83.95	20.62	-6497.59	-101.50	-51.54
51	12	156.00	-842.71	0.43	21.11	-5861.10	381.49	-46.35
51	13	106.00	-636.03	56.71	13.98	-4542.21	-76.72	120.81
51	13	131.00	-644.54	56.71	13.98	-4542.21	-69.83	-44.01
51	13	156.00	-597.29	-2.37	14.34	-4146.62	263.45	-20.00
51	14	106.00	-868.41	82.85	20.48	-6340.88	-113.70	153.27
51	14	131.00	-880.42	82.85	20.48	-6340.88	-104.03	-51.87
51	14	156.00	-820.34	1.51	20.96	-5706.56	376.20	-43.51
51	15	106.00	-659.50	58.17	14.13	-4709.29	-74.62	123.39
51	15	131.00	-668.28	58.17	14.13	-4709.29	-67.46	-43.77
51	15	156.00	-620.50	-3.03	14.50	-4309.42	268.86	-22.85
51	16	106.00	-891.87	84.31	20.63	-6507.96	-111.60	155.84
51	16	131.00	-904.16	84.31	20.63	-6507.96	-101.66	-51.63
51	16	156.00	-843.56	0.85	21.12	-5869.37	381.61	-46.37
...								
51	203	156.00	-576.78	0.12	14.55	-4009.31	262.43	-27.76
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-904.56	-68.59	-0.14	-6511.42	-229.32	-98.77
			-371.42	130.51	28.87	-2401.57	424.84	155.86

Macro	Tipo	Angolo 1-Z (gradi)
52	**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
52	1	158.00	-413.42	46.57	-14.04	-2967.29	110.66	-95.00
52	1	183.00	-419.35	46.57	-14.04	-2967.29	106.19	51.59
52	1	208.00	-374.52	8.30	-14.29	-2570.45	-229.28	-4.85
52	2	158.00	-574.05	70.29	-20.81	-4259.95	162.06	-118.62
52	2	183.00	-582.67	70.29	-20.81	-4259.95	155.61	63.05
52	2	208.00	-525.28	16.34	-21.14	-3616.63	-333.15	10.73
52	3	158.00	-435.82	48.23	-14.27	-3126.48	109.30	-97.44
52	3	183.00	-442.00	48.23	-14.27	-3126.48	104.57	51.68
52	3	208.00	-396.51	7.94	-14.53	-2722.73	-235.96	-2.13
52	4	158.00	-596.45	71.95	-21.05	-4419.13	160.70	-121.06
52	4	183.00	-605.32	71.95	-21.05	-4419.13	153.99	63.13
52	4	208.00	-547.26	15.98	-21.39	-3768.92	-339.83	13.45
52	5	158.00	-413.95	46.75	-14.04	-2972.17	110.70	-95.01
52	5	183.00	-419.89	46.75	-14.04	-2972.17	106.23	51.62
52	5	208.00	-374.89	8.50	-14.29	-2574.15	-229.29	-4.85
52	6	158.00	-574.58	70.47	-20.82	-4264.82	162.10	-118.63
52	6	183.00	-583.21	70.47	-20.82	-4264.82	155.66	63.07
52	6	208.00	-525.65	16.54	-21.15	-3620.33	-333.16	10.72
52	7	158.00	-436.35	48.41	-14.27	-3131.35	109.34	-97.45
52	7	183.00	-442.54	48.41	-14.27	-3131.35	104.61	51.71
52	7	208.00	-396.87	8.14	-14.54	-2726.44	-235.97	-2.13
52	8	158.00	-596.98	72.13	-21.05	-4424.01	160.74	-121.07
52	8	183.00	-605.87	72.13	-21.05	-4424.01	154.03	63.16
52	8	208.00	-547.63	16.18	-21.39	-3772.62	-339.84	13.44
52	9	158.00	-469.41	50.71	-14.62	-3365.25	107.27	-101.10
52	9	183.00	-475.98	50.71	-14.62	-3365.25	102.13	51.81
52	9	208.00	-429.48	7.41	-14.91	-2951.17	-245.97	1.95
52	10	158.00	-630.04	74.43	-21.39	-4657.91	158.67	-124.72
52	10	183.00	-639.31	74.43	-21.39	-4657.91	151.55	63.26
52	10	208.00	-580.23	15.45	-21.76	-3997.35	-349.85	17.53
52	11	158.00	-491.80	52.37	-14.85	-3524.43	105.91	-103.53
52	11	183.00	-498.64	52.37	-14.85	-3524.43	100.50	51.90

52	11	208.00	-451.46	7.05	-15.15	-3103.46	-252.65	4.67
52	12	158.00	-652.43	76.09	-21.62	-4817.09	157.31	-127.15
52	12	183.00	-661.96	76.09	-21.62	-4817.09	149.92	63.35
52	12	208.00	-602.21	15.09	-22.01	-4149.64	-356.53	20.25
52	13	158.00	-469.94	50.89	-14.62	-3370.12	107.31	-101.10
52	13	183.00	-476.52	50.89	-14.62	-3370.12	102.17	51.83
52	13	208.00	-429.85	7.61	-14.91	-2954.87	-245.99	1.95
52	14	158.00	-630.57	74.61	-21.40	-4662.78	158.71	-124.72
52	14	183.00	-639.85	74.61	-21.40	-4662.78	151.59	63.29
52	14	208.00	-580.60	15.65	-21.77	-4001.06	-349.86	17.53
52	15	158.00	-492.34	52.55	-14.85	-3529.30	105.95	-103.54
52	15	183.00	-499.18	52.55	-14.85	-3529.30	100.54	51.92
52	15	208.00	-451.83	7.25	-15.16	-3107.16	-252.66	4.67
52	16	158.00	-652.97	76.26	-21.63	-4821.96	157.35	-127.16
52	16	183.00	-662.50	76.26	-21.63	-4821.96	149.97	63.37
52	16	208.00	-602.58	15.29	-22.01	-4153.35	-356.54	20.25
...								
52	203	208.00	-409.67	10.08	-15.11	-2820.93	-244.24	9.65
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-662.68	-41.44	-29.98	-4823.59	-404.19	-127.16
			-287.93	106.23	-0.51	-1975.60	254.72	110.01

Macro	Tipo	Angolo 1-Z (gradi)
53	**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
53	1	158.00	-256.30	-46.19	-0.70	386.43	-15.64	50.10
53	1	183.00	-262.07	-46.19	-0.70	386.43	-14.59	37.18
53	1	208.00	-229.98	-5.52	-2.21	189.36	-60.40	-29.47
53	2	158.00	-335.60	-74.98	-1.33	624.16	-19.14	75.37
53	2	183.00	-344.41	-74.98	-1.33	624.16	-17.56	60.76
53	2	208.00	-317.46	-16.19	-3.50	229.33	-93.86	-42.28
53	3	158.00	-271.08	-48.05	-0.80	393.55	-16.31	53.04
53	3	183.00	-277.19	-48.05	-0.80	393.55	-15.18	39.60
53	3	208.00	-244.77	-4.66	-2.40	197.27	-65.19	-32.05
53	4	158.00	-350.38	-76.84	-1.43	631.28	-19.80	78.32
53	4	183.00	-359.52	-76.84	-1.43	631.28	-18.16	63.17
53	4	208.00	-332.25	-15.33	-3.69	237.23	-98.65	-44.86
53	5	158.00	-256.31	-46.20	-0.69	386.47	-15.90	49.95
53	5	183.00	-262.08	-46.20	-0.69	386.47	-14.85	37.17
53	5	208.00	-229.97	-5.53	-2.20	189.31	-60.26	-29.52
53	6	158.00	-335.61	-74.99	-1.32	624.20	-19.40	75.23
53	6	183.00	-344.42	-74.99	-1.32	624.20	-17.82	60.75
53	6	208.00	-317.45	-16.20	-3.49	229.27	-93.71	-42.34
53	7	158.00	-271.09	-48.06	-0.78	393.59	-16.57	52.89
53	7	183.00	-277.20	-48.06	-0.78	393.59	-15.44	39.59
53	7	208.00	-244.77	-4.68	-2.38	197.22	-65.05	-32.10
53	8	158.00	-350.39	-76.85	-1.41	631.32	-20.06	78.17
53	8	183.00	-359.54	-76.85	-1.41	631.32	-18.42	63.16
53	8	208.00	-332.25	-15.34	-3.67	237.18	-98.50	-44.92
53	9	158.00	-293.25	-50.84	-0.94	404.23	-17.30	57.46
53	9	183.00	-299.86	-50.84	-0.94	404.23	-16.07	43.22
53	9	208.00	-266.96	-3.37	-2.68	209.13	-72.38	-35.92
53	10	158.00	-372.54	-79.63	-1.57	641.96	-20.80	82.73
53	10	183.00	-382.19	-79.63	-1.57	641.96	-19.04	66.79
53	10	208.00	-354.44	-14.04	-3.97	249.10	-105.83	-48.74
53	11	158.00	-308.03	-52.70	-1.04	411.35	-17.96	60.40
53	11	183.00	-314.97	-52.70	-1.04	411.35	-16.66	45.63
53	11	208.00	-281.75	-2.52	-2.86	217.04	-77.17	-38.50
53	12	158.00	-387.32	-81.49	-1.67	649.08	-21.46	85.67
53	12	183.00	-397.31	-81.49	-1.67	649.08	-19.64	69.21
53	12	208.00	-369.23	-13.18	-4.15	257.00	-110.62	-51.32
53	13	158.00	-293.26	-50.85	-0.93	404.27	-17.56	57.31
53	13	183.00	-299.87	-50.85	-0.93	404.27	-16.33	43.21
53	13	208.00	-266.96	-3.39	-2.66	209.08	-72.23	-35.97
53	14	158.00	-372.55	-79.64	-1.56	642.00	-21.06	82.58
53	14	183.00	-382.21	-79.64	-1.56	642.00	-19.31	66.79
53	14	208.00	-354.43	-14.05	-3.95	249.04	-105.69	-48.79
53	15	158.00	-308.04	-52.71	-1.02	411.39	-18.23	60.25
53	15	183.00	-314.98	-52.71	-1.02	411.39	-16.92	45.63
53	15	208.00	-281.75	-2.53	-2.85	216.99	-77.02	-38.55
53	16	158.00	-387.33	-81.50	-1.65	649.12	-21.72	85.53
53	16	183.00	-397.32	-81.50	-1.65	649.12	-19.90	69.20
53	16	208.00	-369.23	-13.19	-4.14	256.95	-110.48	-51.37
...								
53	203	208.00	-251.17	-8.34	-2.73	181.72	-73.19	-34.34
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-397.32	-108.66	-17.30	-396.29	-295.66	-134.98
			-176.90	50.95	14.30	1194.30	208.38	233.73

Macro	Tipo	Angolo 1-Z (gradi)
54	**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
54	1	158.00	-470.56	15.52	-2.47	-2813.16	3.53	-6.60
54	1	183.00	-474.48	15.52	-2.47	-2813.16	1.97	7.69
54	1	208.00	-453.67	-24.77	-2.48	-2696.08	-49.92	16.15
54	2	158.00	-658.81	28.82	-4.67	-4167.81	17.01	-11.35
54	2	183.00	-665.00	28.82	-4.67	-4167.81	14.68	15.69
54	2	208.00	-640.18	-29.63	-4.70	-3824.91	-85.83	22.33
54	3	158.00	-501.78	16.46	-2.69	-3001.25	4.44	-7.37
54	3	183.00	-505.91	16.46	-2.69	-3001.25	2.76	8.12
54	3	208.00	-485.13	-26.46	-2.70	-2887.26	-54.01	17.10
54	4	158.00	-690.02	29.76	-4.90	-4355.90	17.91	-12.12
54	4	183.00	-696.42	29.76	-4.90	-4355.90	15.48	16.13
54	4	208.00	-671.65	-31.32	-4.92	-4016.09	-89.92	23.28
54	5	158.00	-470.54	15.50	-2.47	-2812.91	3.57	-6.64
54	5	183.00	-474.46	15.50	-2.47	-2812.91	2.00	7.71
54	5	208.00	-453.66	-24.79	-2.48	-2695.99	-49.94	16.15
54	6	158.00	-658.79	28.80	-4.68	-4167.56	17.05	-11.39
54	6	183.00	-664.97	28.80	-4.68	-4167.56	14.72	15.72
54	6	208.00	-640.17	-29.64	-4.70	-3824.82	-85.86	22.33
54	7	158.00	-501.76	16.44	-2.69	-3001.00	4.47	-7.41
54	7	183.00	-505.89	16.44	-2.69	-3001.00	2.80	8.14
54	7	208.00	-485.13	-26.48	-2.70	-2887.17	-54.03	17.10
54	8	158.00	-690.00	29.74	-4.90	-4355.65	17.95	-12.16
54	8	183.00	-696.40	29.74	-4.90	-4355.65	15.51	16.15
54	8	208.00	-671.64	-31.34	-4.93	-4016.00	-89.94	23.28
54	9	158.00	-548.60	17.86	-3.02	-3283.38	5.80	-8.52
54	9	183.00	-553.06	17.86	-3.02	-3283.38	3.96	8.77
54	9	208.00	-532.34	-29.00	-3.04	-3174.03	-60.14	18.53
54	10	158.00	-736.84	31.16	-5.23	-4638.03	19.27	-13.27
54	10	183.00	-743.57	31.16	-5.23	-4638.03	16.67	16.78
54	10	208.00	-718.85	-33.86	-5.26	-4302.86	-96.06	24.70
54	11	158.00	-579.81	18.80	-3.25	-3471.47	6.70	-9.28
54	11	183.00	-584.48	18.80	-3.25	-3471.47	4.75	9.21
54	11	208.00	-563.81	-30.70	-3.27	-3365.21	-64.23	19.48
54	12	158.00	-768.06	32.10	-5.45	-4826.12	20.18	-14.04
54	12	183.00	-775.00	32.10	-5.45	-4826.12	17.47	17.22
54	12	208.00	-750.32	-35.55	-5.49	-4494.04	-100.15	25.66
54	13	158.00	-548.58	17.84	-3.03	-3283.14	5.83	-8.56
54	13	183.00	-553.03	17.84	-3.03	-3283.14	3.99	8.80
54	13	208.00	-532.33	-29.02	-3.04	-3173.94	-60.16	18.53
54	14	158.00	-736.82	31.14	-5.23	-4637.79	19.31	-13.31
54	14	183.00	-743.55	31.14	-5.23	-4637.79	16.71	16.81
54	14	208.00	-718.84	-33.88	-5.26	-4302.77	-96.08	24.71
54	15	158.00	-579.79	18.78	-3.25	-3471.22	6.74	-9.32
54	15	183.00	-584.46	18.78	-3.25	-3471.22	4.79	9.23
54	15	208.00	-563.80	-30.71	-3.27	-3365.12	-64.25	19.48
54	16	158.00	-768.04	32.08	-5.45	-4825.88	20.21	-14.07
54	16	183.00	-774.98	32.08	-5.45	-4825.88	17.50	17.24
54	16	208.00	-750.31	-35.57	-5.49	-4493.96	-100.17	25.66
...								
54	203	208.00	-507.19	-24.81	-3.51	-3032.79	-65.20	17.49
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-775.00	-68.25	-27.98	-4826.20	-328.14	-67.67
			-348.96	68.16	20.01	-2073.80	270.60	92.33

Macro	Tipo	Angolo 1-Z (gradi)
58	**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
58	1	158.00	-1319.75	0.0	-5.65	0.0	19.56	0.0
58	1	183.00	-1342.58	0.0	-5.65	0.0	22.98	0.0
58	1	208.00	-1197.50	0.0	4.15	0.0	2.14	0.0
58	2	158.00	-1785.28	0.0	-11.10	0.0	68.82	0.0
58	2	183.00	-1825.16	0.0	-11.10	0.0	74.07	0.0
58	2	208.00	-1645.97	0.0	2.48	0.0	-36.72	0.0
58	3	158.00	-1388.91	0.0	-5.94	0.0	19.66	0.0
58	3	183.00	-1412.81	0.0	-5.94	0.0	23.28	0.0

58	3	208.00	-1268.27	0.0	4.39	0.0	1.76	0.0
58	4	158.00	-1854.44	0.0	-11.38	0.0	68.92	0.0
58	4	183.00	-1895.39	0.0	-11.38	0.0	74.37	0.0
58	4	208.00	-1716.74	0.0	2.71	0.0	-37.10	0.0
58	5	158.00	-1320.41	0.0	-5.66	0.0	19.69	0.0
58	5	183.00	-1343.04	0.0	-5.66	0.0	23.11	0.0
58	5	208.00	-1197.81	0.0	4.15	0.0	2.08	0.0
58	6	158.00	-1785.94	0.0	-11.11	0.0	68.96	0.0
58	6	183.00	-1825.62	0.0	-11.11	0.0	74.20	0.0
58	6	208.00	-1646.27	0.0	2.47	0.0	-36.78	0.0
58	7	158.00	-1389.58	0.0	-5.95	0.0	19.79	0.0
58	7	183.00	-1413.28	0.0	-5.95	0.0	23.41	0.0
58	7	208.00	-1268.58	0.0	4.39	0.0	1.69	0.0
58	8	158.00	-1855.11	0.0	-11.39	0.0	69.05	0.0
58	8	183.00	-1895.85	0.0	-11.39	0.0	74.50	0.0
58	8	208.00	-1717.04	0.0	2.71	0.0	-37.17	0.0
58	9	158.00	-1492.66	0.0	-6.36	0.0	19.81	0.0
58	9	183.00	-1518.16	0.0	-6.36	0.0	23.73	0.0
58	9	208.00	-1374.43	0.0	4.75	0.0	1.18	0.0
58	10	158.00	-1958.19	0.0	-11.81	0.0	69.07	0.0
58	10	183.00	-2000.74	0.0	-11.81	0.0	74.82	0.0
58	10	208.00	-1822.89	0.0	3.07	0.0	-37.69	0.0
58	11	158.00	-1561.82	0.0	-6.64	0.0	19.91	0.0
58	11	183.00	-1588.39	0.0	-6.64	0.0	24.04	0.0
58	11	208.00	-1445.20	0.0	4.98	0.0	0.79	0.0
58	12	158.00	-2027.35	0.0	-12.09	0.0	69.17	0.0
58	12	183.00	-2070.97	0.0	-12.09	0.0	75.12	0.0
58	12	208.00	-1893.66	0.0	3.31	0.0	-38.07	0.0
58	13	158.00	-1493.32	0.0	-6.37	0.0	19.94	0.0
58	13	183.00	-1518.62	0.0	-6.37	0.0	23.86	0.0
58	13	208.00	-1374.73	0.0	4.74	0.0	1.11	0.0
58	14	158.00	-1958.85	0.0	-11.82	0.0	69.20	0.0
58	14	183.00	-2001.20	0.0	-11.82	0.0	74.95	0.0
58	14	208.00	-1823.20	0.0	3.07	0.0	-37.75	0.0
58	15	158.00	-1562.49	0.0	-6.65	0.0	20.04	0.0
58	15	183.00	-1588.85	0.0	-6.65	0.0	24.16	0.0
58	15	208.00	-1445.50	0.0	4.98	0.0	0.72	0.0
58	16	158.00	-2028.01	0.0	-12.10	0.0	69.30	0.0
58	16	183.00	-2071.43	0.0	-12.10	0.0	75.25	0.0
58	16	208.00	-1893.97	0.0	3.30	0.0	-38.14	0.0
...								
58	203	208.00	-1292.56	0.0	2.74	0.0	-19.83	0.0
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-2071.58	-519.66	-18.14	-3.877e+04	-77.60	-470.22
			-921.02	519.66	7.81	3.877e+04	159.45	470.22

Macro	Tipo	Angolo 1-Z (gradi)
59	**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
59	1	158.00	-196.94	-6.94	-1.17	702.99	-78.86	130.58
59	1	183.00	-202.56	-6.94	-1.17	702.99	-76.79	65.65
59	1	208.00	-173.44	33.21	-3.30	456.44	-148.75	-101.15
59	2	158.00	-255.09	-8.20	-4.58	985.75	-71.70	174.87
59	2	183.00	-263.07	-8.20	-4.58	985.75	-68.69	117.26
59	2	208.00	-234.01	48.60	-7.81	572.49	-255.94	-158.83
59	3	158.00	-206.02	-7.35	-1.24	724.72	-84.02	138.35
59	3	183.00	-211.90	-7.35	-1.24	724.72	-81.82	69.61
59	3	208.00	-182.46	35.00	-3.51	474.22	-158.18	-107.99
59	4	158.00	-264.17	-8.62	-4.66	1007.48	-76.86	182.65
59	4	183.00	-272.41	-8.62	-4.66	1007.48	-73.72	121.22
59	4	208.00	-243.03	50.40	-8.03	590.28	-265.37	-165.67
59	5	158.00	-196.09	-6.75	-1.16	695.05	-78.95	130.46
59	5	183.00	-201.72	-6.75	-1.16	695.05	-76.88	65.59
59	5	208.00	-172.83	33.41	-3.29	451.28	-148.71	-101.16
59	6	158.00	-254.24	-8.02	-4.58	977.81	-71.79	174.75
59	6	183.00	-262.22	-8.02	-4.58	977.81	-68.77	117.20
59	6	208.00	-233.41	48.81	-7.81	567.34	-255.90	-158.84
59	7	158.00	-205.17	-7.16	-1.23	716.78	-84.11	138.23
59	7	183.00	-211.06	-7.16	-1.23	716.78	-81.91	69.56
59	7	208.00	-181.85	35.20	-3.51	469.07	-158.14	-108.00
59	8	158.00	-263.32	-8.43	-4.65	999.54	-76.95	182.53
59	8	183.00	-271.57	-8.43	-4.65	999.54	-73.80	121.16
59	8	208.00	-242.42	50.60	-8.02	585.13	-265.33	-165.68
59	9	158.00	-219.65	-7.97	-1.35	757.32	-91.76	150.02
59	9	183.00	-225.92	-7.97	-1.35	757.32	-89.37	75.55
59	9	208.00	-195.99	37.69	-3.84	500.91	-172.33	-118.26
59	10	158.00	-277.80	-9.24	-4.76	1040.08	-84.60	194.31
59	10	183.00	-286.43	-9.24	-4.76	1040.08	-81.26	127.16

59	10	208.00	-256.56	53.09	-8.35	616.96	-279.52	-175.93
59	11	158.00	-228.73	-8.38	-1.42	779.05	-96.91	157.80
59	11	183.00	-235.26	-8.38	-1.42	779.05	-94.40	79.51
59	11	208.00	-205.01	39.49	-4.05	518.69	-181.76	-125.10
59	12	158.00	-286.88	-9.65	-4.84	1061.81	-89.75	202.09
59	12	183.00	-295.77	-9.65	-4.84	1061.81	-86.29	131.12
59	12	208.00	-265.58	54.88	-8.57	634.75	-288.95	-182.77
59	13	158.00	-218.80	-7.78	-1.34	749.38	-91.84	149.90
59	13	183.00	-225.08	-7.78	-1.34	749.38	-89.45	75.50
59	13	208.00	-195.38	37.89	-3.83	495.75	-172.28	-118.27
59	14	158.00	-276.95	-9.05	-4.76	1032.14	-84.68	194.19
59	14	183.00	-285.58	-9.05	-4.76	1032.14	-81.35	127.11
59	14	208.00	-255.95	53.29	-8.35	611.81	-279.47	-175.94
59	15	158.00	-227.89	-8.20	-1.42	771.11	-97.00	157.68
59	15	183.00	-234.42	-8.20	-1.42	771.11	-94.48	79.46
59	15	208.00	-204.40	39.69	-4.04	513.54	-181.71	-125.11
59	16	158.00	-286.04	-9.46	-4.83	1053.87	-89.84	201.97
59	16	183.00	-294.93	-9.46	-4.83	1053.87	-86.38	131.07
59	16	208.00	-264.97	55.09	-8.56	629.60	-288.90	-182.79
...								
59	203	208.00	-182.32	37.18	-5.35	444.22	-189.18	-121.34
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-299.43	-77.49	-11.42	-97.28	-311.21	-207.72
			-126.73	109.21	5.21	1718.67	30.85	251.75

Macro	Tipo	Angolo 1-Z (gradi)
61	**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
61	1	158.00	-196.94	-6.94	1.17	702.99	78.86	-130.58
61	1	183.00	-202.56	-6.94	1.17	702.99	76.79	-65.65
61	1	208.00	-173.44	33.21	3.30	456.44	148.75	101.15
61	2	158.00	-255.09	-8.20	4.58	985.75	71.70	-174.87
61	2	183.00	-263.07	-8.20	4.58	985.75	68.69	-117.26
61	2	208.00	-234.01	48.60	7.81	572.49	255.94	158.83
61	3	158.00	-206.02	-7.35	1.24	724.72	84.02	-138.35
61	3	183.00	-211.90	-7.35	1.24	724.72	81.82	-69.61
61	3	208.00	-182.46	35.00	3.51	474.22	158.18	107.99
61	4	158.00	-264.17	-8.62	4.66	1007.48	76.86	-182.65
61	4	183.00	-272.41	-8.62	4.66	1007.48	73.72	-121.22
61	4	208.00	-243.03	50.40	8.03	590.28	265.37	165.67
61	5	158.00	-196.09	-6.75	1.16	695.05	78.95	-130.46
61	5	183.00	-201.72	-6.75	1.16	695.05	76.88	-65.59
61	5	208.00	-172.83	33.41	3.29	451.28	148.71	101.16
61	6	158.00	-254.24	-8.02	4.58	977.81	71.79	-174.75
61	6	183.00	-262.22	-8.02	4.58	977.81	68.77	-117.20
61	6	208.00	-233.41	48.81	7.81	567.34	255.90	158.84
61	7	158.00	-205.17	-7.16	1.23	716.78	84.11	-138.23
61	7	183.00	-211.06	-7.16	1.23	716.78	81.91	-69.56
61	7	208.00	-181.85	35.20	3.51	469.07	158.14	108.00
61	8	158.00	-263.32	-8.43	4.65	999.54	76.95	-182.53
61	8	183.00	-271.57	-8.43	4.65	999.54	73.80	-121.16
61	8	208.00	-242.42	50.60	8.02	585.13	265.33	165.68
61	9	158.00	-219.65	-7.97	1.35	757.32	91.76	-150.02
61	9	183.00	-225.92	-7.97	1.35	757.32	89.37	-75.55
61	9	208.00	-195.99	37.69	3.84	500.91	172.33	118.26
61	10	158.00	-277.80	-9.24	4.76	1040.08	84.60	-194.31
61	10	183.00	-286.43	-9.24	4.76	1040.08	81.26	-127.16
61	10	208.00	-256.56	53.09	8.35	616.96	279.52	175.93
61	11	158.00	-228.73	-8.38	1.42	779.05	96.91	-157.80
61	11	183.00	-235.26	-8.38	1.42	779.05	94.40	-79.51
61	11	208.00	-205.01	39.49	4.05	518.69	181.76	125.10
61	12	158.00	-286.88	-9.65	4.84	1061.81	89.75	-202.09
61	12	183.00	-295.77	-9.65	4.84	1061.81	86.29	-131.12
61	12	208.00	-265.58	54.88	8.57	634.75	288.95	182.77
61	13	158.00	-218.80	-7.78	1.34	749.38	91.84	-149.90
61	13	183.00	-225.08	-7.78	1.34	749.38	89.45	-75.50
61	13	208.00	-195.38	37.89	3.83	495.75	172.28	118.27
61	14	158.00	-276.95	-9.05	4.76	1032.14	84.68	-194.19
61	14	183.00	-285.58	-9.05	4.76	1032.14	81.35	-127.11
61	14	208.00	-255.95	53.29	8.35	611.81	279.47	175.94
61	15	158.00	-227.89	-8.20	1.42	771.11	97.00	-157.68
61	15	183.00	-234.42	-8.20	1.42	771.11	94.48	-79.46
61	15	208.00	-204.40	39.69	4.04	513.54	181.71	125.11
61	16	158.00	-286.04	-9.46	4.83	1053.87	89.84	-201.97
61	16	183.00	-294.93	-9.46	4.83	1053.87	86.38	-131.07
61	16	208.00	-264.97	55.09	8.56	629.60	288.90	182.79
...								
61	203	208.00	-182.32	37.18	5.35	444.22	189.18	121.34

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-299.43	-77.49	-5.21	-97.28	-30.85	-251.75
	-126.73	109.21	11.42	1718.67	311.21	207.72

Macro	Tipo	Angolo 1-Z (gradi)
62	**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
62	1	158.00	-282.92	-31.75	-0.05	303.36	-5.64	13.51
62	1	183.00	-288.50	-31.75	-0.05	303.36	-5.38	9.96
62	1	208.00	-253.93	8.68	-0.32	83.34	-12.41	-5.22
62	2	158.00	-378.35	-52.99	-0.19	519.85	-7.00	20.62
62	2	183.00	-386.94	-52.99	-0.19	519.85	-6.60	16.69
62	2	208.00	-355.13	5.98	-0.57	81.67	-20.38	-7.48
62	3	158.00	-299.67	-33.39	-0.07	306.10	-5.82	14.33
62	3	183.00	-305.59	-33.39	-0.07	306.10	-5.53	10.67
62	3	208.00	-270.60	9.78	-0.36	84.25	-13.59	-5.80
62	4	158.00	-395.10	-54.63	-0.21	522.59	-7.17	21.44
62	4	183.00	-404.03	-54.63	-0.21	522.59	-6.75	17.40
62	4	208.00	-371.81	7.08	-0.61	82.58	-21.56	-8.06
62	5	158.00	-283.43	-31.92	-0.04	308.31	-5.74	13.45
62	5	183.00	-289.01	-31.92	-0.04	308.31	-5.47	9.96
62	5	208.00	-254.32	8.49	-0.31	87.08	-12.34	-5.24
62	6	158.00	-378.86	-53.16	-0.18	524.80	-7.09	20.56
62	6	183.00	-387.45	-53.16	-0.18	524.80	-6.69	16.69
62	6	208.00	-355.52	5.79	-0.56	85.42	-20.31	-7.50
62	7	158.00	-300.18	-33.56	-0.07	311.04	-5.91	14.27
62	7	183.00	-306.10	-33.56	-0.07	311.04	-5.63	10.66
62	7	208.00	-270.99	9.59	-0.35	87.99	-13.52	-5.82
62	8	158.00	-395.61	-54.80	-0.21	527.53	-7.26	21.38
62	8	183.00	-404.54	-54.80	-0.21	527.53	-6.85	17.40
62	8	208.00	-372.20	6.89	-0.61	86.33	-21.49	-8.08
62	9	158.00	-324.80	-35.85	-0.11	310.20	-6.08	15.56
62	9	183.00	-331.23	-35.85	-0.11	310.20	-5.77	11.72
62	9	208.00	-295.62	11.43	-0.42	85.61	-15.36	-6.68
62	10	158.00	-420.22	-57.09	-0.25	526.69	-7.43	22.67
62	10	183.00	-429.67	-57.09	-0.25	526.69	-6.99	18.46
62	10	208.00	-396.82	8.73	-0.68	83.95	-23.33	-8.94
62	11	158.00	-341.55	-37.49	-0.13	312.93	-6.25	16.38
62	11	183.00	-348.32	-37.49	-0.13	312.93	-5.92	12.43
62	11	208.00	-312.29	12.53	-0.46	86.52	-16.54	-7.26
62	12	158.00	-436.98	-58.73	-0.27	529.42	-7.60	23.49
62	12	183.00	-446.76	-58.73	-0.27	529.42	-7.14	19.16
62	12	208.00	-413.50	9.83	-0.72	84.86	-24.51	-9.52
62	13	158.00	-325.30	-36.02	-0.10	315.14	-6.17	15.49
62	13	183.00	-331.74	-36.02	-0.10	315.14	-5.86	11.72
62	13	208.00	-296.01	11.24	-0.41	89.36	-15.30	-6.70
62	14	158.00	-420.73	-57.26	-0.24	531.64	-7.52	22.61
62	14	183.00	-430.18	-57.26	-0.24	531.64	-7.08	18.45
62	14	208.00	-397.21	8.54	-0.67	87.69	-23.26	-8.96
62	15	158.00	-342.05	-37.66	-0.13	317.88	-6.34	16.31
62	15	183.00	-348.83	-37.66	-0.13	317.88	-6.01	12.42
62	15	208.00	-312.68	12.34	-0.46	90.27	-16.48	-7.28
62	16	158.00	-437.48	-58.90	-0.27	534.37	-7.70	23.43
62	16	183.00	-447.27	-58.90	-0.27	534.37	-7.23	19.16
62	16	208.00	-413.88	9.64	-0.71	88.60	-24.45	-9.55
...								
62	203	208.00	-280.58	7.22	-0.46	66.36	-15.97	-6.32
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-447.44	-85.87	-17.20	-420.33	-250.88	-177.89
			-195.15	58.58	16.21	972.89	233.70	205.65

Macro	Tipo	Angolo 1-Z (gradi)
63	**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
63	1	158.00	-503.28	23.90	-0.83	-2861.42	3.50	-2.00
63	1	183.00	-506.86	23.90	-0.83	-2861.42	3.15	4.45
63	1	208.00	-480.58	-15.88	-0.85	-2692.56	-15.19	2.55
63	2	158.00	-711.56	41.58	-1.39	-4269.53	6.88	-2.63
63	2	183.00	-717.27	41.58	-1.39	-4269.53	6.36	7.19

63	2	208.00	-684.39	-16.68	-1.43	-3851.59	-24.49	4.31
63	3	158.00	-536.86	25.05	-0.89	-3053.90	3.72	-2.10
63	3	183.00	-540.64	25.05	-0.89	-3053.90	3.35	4.64
63	3	208.00	-514.29	-17.35	-0.91	-2885.68	-16.34	2.75
63	4	158.00	-745.14	42.72	-1.46	-4462.00	7.10	-2.72
63	4	183.00	-751.06	42.72	-1.46	-4462.01	6.56	7.38
63	4	208.00	-718.10	-18.15	-1.49	-4044.72	-25.63	4.50
63	5	158.00	-502.83	23.74	-0.83	-2857.44	3.53	-2.02
63	5	183.00	-506.41	23.74	-0.83	-2857.44	3.18	4.46
63	5	208.00	-480.26	-16.05	-0.85	-2689.76	-15.20	2.55
63	6	158.00	-711.11	41.41	-1.40	-4265.55	6.91	-2.64
63	6	183.00	-716.82	41.41	-1.40	-4265.55	6.39	7.20
63	6	208.00	-684.07	-16.85	-1.43	-3848.79	-24.50	4.31
63	7	158.00	-536.41	24.88	-0.89	-3049.92	3.75	-2.12
63	7	183.00	-540.19	24.88	-0.89	-3049.92	3.38	4.65
63	7	208.00	-513.97	-17.52	-0.91	-2882.88	-16.35	2.75
63	8	158.00	-744.69	42.56	-1.46	-4458.03	7.13	-2.74
63	8	183.00	-750.61	42.56	-1.46	-4458.03	6.59	7.39
63	8	208.00	-717.78	-18.32	-1.49	-4041.92	-25.64	4.50
63	9	158.00	-587.23	26.76	-0.98	-3342.62	4.05	-2.25
63	9	183.00	-591.32	26.76	-0.98	-3342.62	3.64	4.93
63	9	208.00	-564.85	-19.56	-1.00	-3175.37	-18.05	3.03
63	10	158.00	-795.51	44.44	-1.55	-4750.72	7.43	-2.87
63	10	183.00	-801.73	44.44	-1.55	-4750.72	6.85	7.67
63	10	208.00	-768.66	-20.36	-1.59	-4334.41	-27.34	4.79
63	11	158.00	-620.81	27.91	-1.04	-3535.10	4.27	-2.35
63	11	183.00	-625.10	27.91	-1.04	-3535.10	3.84	5.12
63	11	208.00	-598.56	-21.04	-1.07	-3368.50	-19.19	3.22
63	12	158.00	-829.09	45.58	-1.61	-4943.20	7.65	-2.97
63	12	183.00	-835.52	45.58	-1.61	-4943.20	7.05	7.86
63	12	208.00	-802.37	-21.84	-1.65	-4527.53	-28.49	4.98
63	13	158.00	-586.78	26.60	-0.98	-3338.64	4.08	-2.26
63	13	183.00	-590.87	26.60	-0.98	-3338.64	3.67	4.94
63	13	208.00	-564.53	-19.74	-1.01	-3172.57	-18.06	3.03
63	14	158.00	-795.06	44.27	-1.55	-4746.74	7.46	-2.89
63	14	183.00	-801.28	44.27	-1.55	-4746.74	6.88	7.68
63	14	208.00	-768.34	-20.54	-1.59	-4331.61	-27.35	4.79
63	15	158.00	-620.36	27.74	-1.04	-3531.12	4.30	-2.36
63	15	183.00	-624.65	27.74	-1.04	-3531.12	3.86	5.13
63	15	208.00	-598.24	-21.21	-1.07	-3365.70	-19.20	3.22
63	16	158.00	-828.64	45.42	-1.61	-4939.22	7.68	-2.99
63	16	183.00	-835.07	45.42	-1.61	-4939.22	7.07	7.87
63	16	208.00	-802.05	-22.01	-1.65	-4524.73	-28.49	4.98
...								
63	203	208.00	-541.17	-15.46	-1.08	-3048.78	-18.78	3.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-835.67	-51.60	-25.95	-4944.53	-285.58	-76.48
			-369.28	69.68	23.53	-2067.79	267.57	87.86

Macro	Tipo	Angolo 1-Z (gradi)
64	**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
64	1	158.00	-282.92	-31.75	0.05	303.36	5.64	-13.51
64	1	183.00	-288.50	-31.75	0.05	303.36	5.38	-9.96
64	1	208.00	-253.93	8.68	0.32	83.34	12.41	5.22
64	2	158.00	-378.35	-52.99	0.19	519.85	7.00	-20.62
64	2	183.00	-386.94	-52.99	0.19	519.85	6.60	-16.69
64	2	208.00	-355.13	5.98	0.57	81.67	20.38	7.48
64	3	158.00	-299.67	-33.39	0.07	306.10	5.82	-14.33
64	3	183.00	-305.59	-33.39	0.07	306.10	5.53	-10.67
64	3	208.00	-270.60	9.78	0.36	84.25	13.59	5.80
64	4	158.00	-395.10	-54.63	0.21	522.59	7.17	-21.44
64	4	183.00	-404.03	-54.63	0.21	522.59	6.75	-17.40
64	4	208.00	-371.81	7.08	0.61	82.58	21.56	8.06
64	5	158.00	-283.43	-31.92	0.04	308.31	5.74	-13.45
64	5	183.00	-289.01	-31.92	0.04	308.31	5.47	-9.96
64	5	208.00	-254.32	8.49	0.31	87.08	12.34	5.24
64	6	158.00	-378.86	-53.16	0.18	524.80	7.09	-20.56
64	6	183.00	-387.45	-53.16	0.18	524.80	6.69	-16.69
64	6	208.00	-355.52	5.79	0.56	85.42	20.31	7.50
64	7	158.00	-300.18	-33.56	0.07	311.04	5.91	-14.27
64	7	183.00	-306.10	-33.56	0.07	311.04	5.63	-10.66
64	7	208.00	-270.99	9.59	0.35	87.99	13.52	5.82
64	8	158.00	-395.61	-54.80	0.21	527.53	7.26	-21.38
64	8	183.00	-404.54	-54.80	0.21	527.53	6.85	-17.40
64	8	208.00	-372.20	6.89	0.61	86.33	21.49	8.08
64	9	158.00	-324.80	-35.85	0.11	310.20	6.08	-15.56
64	9	183.00	-331.23	-35.85	0.11	310.20	5.77	-11.72

64	9	208.00	-295.62	11.43	0.42	85.61	15.36	6.68
64	10	158.00	-420.22	-57.09	0.25	526.69	7.43	-22.67
64	10	183.00	-429.67	-57.09	0.25	526.69	6.99	-18.46
64	10	208.00	-396.82	8.73	0.68	83.95	23.33	8.94
64	11	158.00	-341.55	-37.49	0.13	312.93	6.25	-16.38
64	11	183.00	-348.32	-37.49	0.13	312.93	5.92	-12.43
64	11	208.00	-312.29	12.53	0.46	86.52	16.54	7.26
64	12	158.00	-436.98	-58.73	0.27	529.42	7.60	-23.49
64	12	183.00	-446.76	-58.73	0.27	529.42	7.14	-19.16
64	12	208.00	-413.50	9.83	0.72	84.86	24.51	9.52
64	13	158.00	-325.30	-36.02	0.10	315.14	6.17	-15.49
64	13	183.00	-331.74	-36.02	0.10	315.14	5.86	-11.72
64	13	208.00	-296.01	11.24	0.41	89.36	15.30	6.70
64	14	158.00	-420.73	-57.26	0.24	531.64	7.52	-22.61
64	14	183.00	-430.18	-57.26	0.24	531.64	7.08	-18.45
64	14	208.00	-397.21	8.54	0.67	87.69	23.26	8.96
64	15	158.00	-342.05	-37.66	0.13	317.88	6.34	-16.31
64	15	183.00	-348.83	-37.66	0.13	317.88	6.01	-12.42
64	15	208.00	-312.68	12.34	0.46	90.27	16.48	7.28
64	16	158.00	-437.48	-58.90	0.27	534.37	7.70	-23.43
64	16	183.00	-447.27	-58.90	0.27	534.37	7.23	-19.16
64	16	208.00	-413.88	9.64	0.71	88.60	24.45	9.55
...								
64	203	208.00	-280.58	7.22	0.46	66.36	15.97	6.32
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-447.44	-85.87	-16.21	-420.33	-233.70	-205.65
			-195.15	58.58	17.20	972.89	250.88	177.89

Macro	Tipo	Angolo 1-Z (gradi)
65	**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
65	1	158.00	-503.28	23.90	0.83	-2861.42	-3.50	2.00
65	1	183.00	-506.86	23.90	0.83	-2861.42	-3.15	-4.45
65	1	208.00	-480.58	-15.88	0.85	-2692.56	15.19	-2.55
65	2	158.00	-711.56	41.58	1.39	-4269.53	-6.88	2.63
65	2	183.00	-717.27	41.58	1.39	-4269.53	-6.36	-7.19
65	2	208.00	-684.39	-16.68	1.43	-3851.59	24.49	-4.31
65	3	158.00	-536.86	25.05	0.89	-3053.90	-3.72	2.10
65	3	183.00	-540.64	25.05	0.89	-3053.90	-3.35	-4.64
65	3	208.00	-514.29	-17.35	0.91	-2885.68	16.34	-2.75
65	4	158.00	-745.14	42.72	1.46	-4462.00	-7.10	2.72
65	4	183.00	-751.06	42.72	1.46	-4462.01	-6.56	-7.38
65	4	208.00	-718.10	-18.15	1.49	-4044.72	25.63	-4.50
65	5	158.00	-502.83	23.74	0.83	-2857.44	-3.53	2.02
65	5	183.00	-506.41	23.74	0.83	-2857.44	-3.18	-4.46
65	5	208.00	-480.26	-16.05	0.85	-2689.76	15.20	-2.55
65	6	158.00	-711.11	41.41	1.40	-4265.55	-6.91	2.64
65	6	183.00	-716.82	41.41	1.40	-4265.55	-6.39	-7.20
65	6	208.00	-684.07	-16.85	1.43	-3848.79	24.50	-4.31
65	7	158.00	-536.41	24.88	0.89	-3049.92	-3.75	2.12
65	7	183.00	-540.19	24.88	0.89	-3049.92	-3.38	-4.65
65	7	208.00	-513.97	-17.52	0.91	-2882.88	16.35	-2.75
65	8	158.00	-744.69	42.56	1.46	-4458.03	-7.13	2.74
65	8	183.00	-750.61	42.56	1.46	-4458.03	-6.59	-7.39
65	8	208.00	-717.78	-18.32	1.49	-4041.92	25.64	-4.50
65	9	158.00	-587.23	26.76	0.98	-3342.62	-4.05	2.25
65	9	183.00	-591.32	26.76	0.98	-3342.62	-3.64	-4.93
65	9	208.00	-564.85	-19.56	1.00	-3175.37	18.05	-3.03
65	10	158.00	-795.51	44.44	1.55	-4750.72	-7.43	2.87
65	10	183.00	-801.73	44.44	1.55	-4750.72	-6.85	-7.67
65	10	208.00	-768.66	-20.36	1.59	-4334.41	27.34	-4.79
65	11	158.00	-620.81	27.91	1.04	-3535.10	-4.27	2.35
65	11	183.00	-625.10	27.91	1.04	-3535.10	-3.84	-5.12
65	11	208.00	-598.56	-21.04	1.07	-3368.50	19.19	-3.22
65	12	158.00	-829.09	45.58	1.61	-4943.20	-7.65	2.97
65	12	183.00	-835.52	45.58	1.61	-4943.20	-7.05	-7.86
65	12	208.00	-802.37	-21.84	1.65	-4527.53	28.49	-4.98
65	13	158.00	-586.78	26.60	0.98	-3338.64	-4.08	2.26
65	13	183.00	-590.87	26.60	0.98	-3338.64	-3.67	-4.94
65	13	208.00	-564.53	-19.74	1.01	-3172.57	18.06	-3.03
65	14	158.00	-795.06	44.27	1.55	-4746.74	-7.46	2.89
65	14	183.00	-801.28	44.27	1.55	-4746.74	-6.88	-7.68
65	14	208.00	-768.34	-20.54	1.59	-4331.61	27.35	-4.79
65	15	158.00	-620.36	27.74	1.04	-3531.12	-4.30	2.36
65	15	183.00	-624.65	27.74	1.04	-3531.12	-3.86	-5.13
65	15	208.00	-598.24	-21.21	1.07	-3365.70	19.20	-3.22
65	16	158.00	-828.64	45.42	1.61	-4939.22	-7.68	2.99
65	16	183.00	-835.07	45.42	1.61	-4939.22	-7.07	-7.87

65	16	208.00	-802.05	-22.01	1.65	-4524.73	28.49	-4.98
...								
65	203	208.00	-541.17	-15.46	1.08	-3048.78	18.78	-3.26
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-835.67	-51.60	-23.53	-4944.53	-267.57	-87.86
			-369.28	69.68	25.95	-2067.79	285.58	76.48

Macro	Tipo	Angolo 1-Z (gradi)
66	**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
66	1	158.00	-256.30	-46.19	0.70	386.43	15.64	-50.10
66	1	183.00	-262.07	-46.19	0.70	386.43	14.59	-37.18
66	1	208.00	-229.98	-5.52	2.21	189.36	60.40	29.47
66	2	158.00	-335.60	-74.98	1.33	624.16	19.14	-75.37
66	2	183.00	-344.41	-74.98	1.33	624.16	17.56	-60.76
66	2	208.00	-317.46	-16.19	3.50	229.33	93.86	42.28
66	3	158.00	-271.08	-48.05	0.80	393.55	16.31	-53.04
66	3	183.00	-277.19	-48.05	0.80	393.55	15.18	-39.60
66	3	208.00	-244.77	-4.66	2.40	197.27	65.19	32.05
66	4	158.00	-350.38	-76.84	1.43	631.28	19.80	-78.32
66	4	183.00	-359.52	-76.84	1.43	631.28	18.16	-63.17
66	4	208.00	-332.25	-15.33	3.69	237.23	98.65	44.86
66	5	158.00	-256.31	-46.20	0.69	386.47	15.90	-49.95
66	5	183.00	-262.08	-46.20	0.69	386.47	14.85	-37.17
66	5	208.00	-229.97	-5.53	2.20	189.31	60.26	29.52
66	6	158.00	-335.61	-74.99	1.32	624.20	19.40	-75.23
66	6	183.00	-344.42	-74.99	1.32	624.20	17.82	-60.75
66	6	208.00	-317.45	-16.20	3.49	229.27	93.71	42.34
66	7	158.00	-271.09	-48.06	0.78	393.59	16.57	-52.89
66	7	183.00	-277.20	-48.06	0.78	393.59	15.44	-39.59
66	7	208.00	-244.77	-4.68	2.38	197.22	65.05	32.10
66	8	158.00	-350.39	-76.85	1.41	631.32	20.06	-78.17
66	8	183.00	-359.54	-76.85	1.41	631.32	18.42	-63.16
66	8	208.00	-332.25	-15.34	3.67	237.18	98.50	44.92
66	9	158.00	-293.25	-50.84	0.94	404.23	17.30	-57.46
66	9	183.00	-299.86	-50.84	0.94	404.23	16.07	-43.22
66	9	208.00	-266.96	-3.37	2.68	209.13	72.38	35.92
66	10	158.00	-372.54	-79.63	1.57	641.96	20.80	-82.73
66	10	183.00	-382.19	-79.63	1.57	641.96	19.04	-66.79
66	10	208.00	-354.44	-14.04	3.97	249.10	105.83	48.74
66	11	158.00	-308.03	-52.70	1.04	411.35	17.96	-60.40
66	11	183.00	-314.97	-52.70	1.04	411.35	16.66	-45.63
66	11	208.00	-281.75	-2.52	2.86	217.04	77.17	38.50
66	12	158.00	-387.32	-81.49	1.67	649.08	21.46	-85.67
66	12	183.00	-397.31	-81.49	1.67	649.08	19.64	-69.21
66	12	208.00	-369.23	-13.18	4.15	257.00	110.62	51.32
66	13	158.00	-293.26	-50.85	0.93	404.27	17.56	-57.31
66	13	183.00	-299.87	-50.85	0.93	404.27	16.33	-43.21
66	13	208.00	-266.96	-3.39	2.66	209.08	72.23	35.97
66	14	158.00	-372.55	-79.64	1.56	642.00	21.06	-82.58
66	14	183.00	-382.21	-79.64	1.56	642.00	19.31	-66.79
66	14	208.00	-354.43	-14.05	3.95	249.04	105.69	48.79
66	15	158.00	-308.04	-52.71	1.02	411.39	18.23	-60.25
66	15	183.00	-314.98	-52.71	1.02	411.39	16.92	-45.63
66	15	208.00	-281.75	-2.53	2.85	216.99	77.02	38.55
66	16	158.00	-387.33	-81.50	1.65	649.12	21.72	-85.53
66	16	183.00	-397.32	-81.50	1.65	649.12	19.90	-69.20
66	16	208.00	-369.23	-13.19	4.14	256.95	110.48	51.37
...								
66	203	208.00	-251.17	-8.34	2.73	181.72	73.19	34.34
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-397.32	-108.66	-14.30	-396.29	-208.38	-233.73
			-176.90	50.95	17.30	1194.30	295.66	134.98

Macro	Tipo	Angolo 1-Z (gradi)
67	**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
67	1	158.00	-470.56	15.52	2.47	-2813.16	-3.53	6.60
67	1	183.00	-474.48	15.52	2.47	-2813.16	-1.97	-7.69

67	1	208.00	-453.67	-24.77	2.48	-2696.08	49.92	-16.15
67	2	158.00	-658.81	28.82	4.67	-4167.81	-17.01	11.35
67	2	183.00	-665.00	28.82	4.67	-4167.81	-14.68	-15.69
67	2	208.00	-640.18	-29.63	4.70	-3824.91	85.83	-22.33
67	3	158.00	-501.78	16.46	2.69	-3001.25	-4.44	7.37
67	3	183.00	-505.91	16.46	2.69	-3001.25	-2.76	-8.12
67	3	208.00	-485.13	-26.46	2.70	-2887.26	54.01	-17.10
67	4	158.00	-690.02	29.76	4.90	-4355.90	-17.91	12.12
67	4	183.00	-696.42	29.76	4.90	-4355.90	-15.48	-16.13
67	4	208.00	-671.65	-31.32	4.92	-4016.09	89.92	-23.28
67	5	158.00	-470.54	15.50	2.47	-2812.91	-3.57	6.64
67	5	183.00	-474.46	15.50	2.47	-2812.91	-2.00	-7.71
67	5	208.00	-453.66	-24.79	2.48	-2695.99	49.94	-16.15
67	6	158.00	-658.79	28.80	4.68	-4167.56	-17.05	11.39
67	6	183.00	-664.97	28.80	4.68	-4167.56	-14.72	-15.72
67	6	208.00	-640.17	-29.64	4.70	-3824.82	85.86	-22.33
67	7	158.00	-501.76	16.44	2.69	-3001.00	-4.47	7.41
67	7	183.00	-505.89	16.44	2.69	-3001.00	-2.80	-8.14
67	7	208.00	-485.13	-26.48	2.70	-2887.17	54.03	-17.10
67	8	158.00	-690.00	29.74	4.90	-4355.65	-17.95	12.16
67	8	183.00	-696.40	29.74	4.90	-4355.65	-15.51	-16.15
67	8	208.00	-671.64	-31.34	4.93	-4016.00	89.94	-23.28
67	9	158.00	-548.60	17.86	3.02	-3283.38	-5.80	8.52
67	9	183.00	-553.06	17.86	3.02	-3283.38	-3.96	-8.77
67	9	208.00	-532.34	-29.00	3.04	-3174.03	60.14	-18.53
67	10	158.00	-736.84	31.16	5.23	-4638.03	-19.27	13.27
67	10	183.00	-743.57	31.16	5.23	-4638.03	-16.67	-16.78
67	10	208.00	-718.85	-33.86	5.26	-4302.86	96.06	-24.70
67	11	158.00	-579.81	18.80	3.25	-3471.47	-6.70	9.28
67	11	183.00	-584.48	18.80	3.25	-3471.47	-4.75	-9.21
67	11	208.00	-563.81	-30.70	3.27	-3365.21	64.23	-19.48
67	12	158.00	-768.06	32.10	5.45	-4826.12	-20.18	14.04
67	12	183.00	-775.00	32.10	5.45	-4826.12	-17.47	-17.22
67	12	208.00	-750.32	-35.55	5.49	-4494.04	100.15	-25.66
67	13	158.00	-548.58	17.84	3.03	-3283.14	-5.83	8.56
67	13	183.00	-553.03	17.84	3.03	-3283.14	-3.99	-8.80
67	13	208.00	-532.33	-29.02	3.04	-3173.94	60.16	-18.53
67	14	158.00	-736.82	31.14	5.23	-4637.79	-19.31	13.31
67	14	183.00	-743.55	31.14	5.23	-4637.79	-16.71	-16.81
67	14	208.00	-718.84	-33.88	5.26	-4302.77	96.08	-24.71
67	15	158.00	-579.79	18.78	3.25	-3471.22	-6.74	9.32
67	15	183.00	-584.46	18.78	3.25	-3471.22	-4.79	-9.23
67	15	208.00	-563.80	-30.71	3.27	-3365.12	64.25	-19.48
67	16	158.00	-768.04	32.08	5.45	-4825.88	-20.21	14.07
67	16	183.00	-774.98	32.08	5.45	-4825.88	-17.50	-17.24
67	16	208.00	-750.31	-35.57	5.49	-4493.96	100.17	-25.66
...								
67	203	208.00	-507.19	-24.81	3.51	-3032.79	65.20	-17.49
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-775.00	-68.25	-20.01	-4826.20	-270.60	-92.33
			-348.96	68.16	27.98	-2073.80	328.14	67.67

Macro	Tipo	Angolo 1-Z (gradi)
68	**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
68	1	158.00	-413.42	46.57	14.04	-2967.29	-110.66	95.00
68	1	183.00	-419.35	46.57	14.04	-2967.29	-106.19	-51.59
68	1	208.00	-374.52	8.30	14.29	-2570.45	229.28	4.85
68	2	158.00	-574.05	70.29	20.81	-4259.95	-162.06	118.62
68	2	183.00	-582.67	70.29	20.81	-4259.95	-155.61	-63.05
68	2	208.00	-525.28	16.34	21.14	-3616.63	333.15	-10.73
68	3	158.00	-435.82	48.23	14.27	-3126.48	-109.30	97.44
68	3	183.00	-442.00	48.23	14.27	-3126.48	-104.57	-51.68
68	3	208.00	-396.51	7.94	14.53	-2722.73	235.96	2.13
68	4	158.00	-596.45	71.95	21.05	-4419.13	-160.70	121.06
68	4	183.00	-605.32	71.95	21.05	-4419.13	-153.99	-63.13
68	4	208.00	-547.26	15.98	21.39	-3768.92	339.83	-13.45
68	5	158.00	-413.95	46.75	14.04	-2972.17	-110.70	95.01
68	5	183.00	-419.89	46.75	14.04	-2972.17	-106.23	-51.62
68	5	208.00	-374.89	8.50	14.29	-2574.15	229.29	4.85
68	6	158.00	-574.58	70.47	20.82	-4264.82	-162.10	118.63
68	6	183.00	-583.21	70.47	20.82	-4264.82	-155.66	-63.07
68	6	208.00	-525.65	16.54	21.15	-3620.33	333.16	-10.72
68	7	158.00	-436.35	48.41	14.27	-3131.35	-109.34	97.45
68	7	183.00	-442.54	48.41	14.27	-3131.35	-104.61	-51.71
68	7	208.00	-396.87	8.14	14.54	-2726.44	235.97	2.13
68	8	158.00	-596.98	72.13	21.05	-4424.01	-160.74	121.07
68	8	183.00	-605.87	72.13	21.05	-4424.01	-154.03	-63.16

68	8	208.00	-547.63	16.18	21.39	-3772.62	339.84	-13.44
68	9	158.00	-469.41	50.71	14.62	-3365.25	-107.27	101.10
68	9	183.00	-475.98	50.71	14.62	-3365.25	-102.13	-51.81
68	9	208.00	-429.48	7.41	14.91	-2951.17	245.97	-1.95
68	10	158.00	-630.04	74.43	21.39	-4657.91	-158.67	124.72
68	10	183.00	-639.31	74.43	21.39	-4657.91	-151.55	-63.26
68	10	208.00	-580.23	15.45	21.76	-3997.35	349.85	-17.53
68	11	158.00	-491.80	52.37	14.85	-3524.43	-105.91	103.53
68	11	183.00	-498.64	52.37	14.85	-3524.43	-100.50	-51.90
68	11	208.00	-451.46	7.05	15.15	-3103.46	252.65	-4.67
68	12	158.00	-652.43	76.09	21.62	-4817.09	-157.31	127.15
68	12	183.00	-661.96	76.09	21.62	-4817.09	-149.92	-63.35
68	12	208.00	-602.21	15.09	22.01	-4149.64	356.53	-20.25
68	13	158.00	-469.94	50.89	14.62	-3370.12	-107.31	101.10
68	13	183.00	-476.52	50.89	14.62	-3370.12	-102.17	-51.83
68	13	208.00	-429.85	7.61	14.91	-2954.87	245.99	-1.95
68	14	158.00	-630.57	74.61	21.40	-4662.78	-158.71	124.72
68	14	183.00	-639.85	74.61	21.40	-4662.78	-151.59	-63.29
68	14	208.00	-580.60	15.65	21.77	-4001.06	349.86	-17.53
68	15	158.00	-492.34	52.55	14.85	-3529.30	-105.95	103.54
68	15	183.00	-499.18	52.55	14.85	-3529.30	-100.54	-51.92
68	15	208.00	-451.83	7.25	15.16	-3107.16	252.66	-4.67
68	16	158.00	-652.97	76.26	21.63	-4821.96	-157.35	127.16
68	16	183.00	-662.50	76.26	21.63	-4821.96	-149.97	-63.37
68	16	208.00	-602.58	15.29	22.01	-4153.35	356.54	-20.25
...								
68	203	208.00	-409.67	10.08	15.11	-2820.93	244.24	-9.65
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-662.68	-41.44	0.51	-4823.59	-254.72	-110.01
			-287.93	106.23	29.99	-1975.60	404.19	127.16

Macro	Tipo	Angolo 1-Z (gradi)
69	**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
69	1	210.00	-247.44	39.87	-14.80	-1792.95	140.49	-74.23
69	1	235.00	-251.45	39.87	-14.80	-1792.95	137.92	61.07
69	1	260.00	-207.72	17.43	-15.03	-1380.26	-217.09	-29.03
69	2	210.00	-334.69	60.64	-21.99	-2567.75	206.11	-88.60
69	2	235.00	-340.58	60.64	-21.99	-2567.75	202.38	76.57
69	2	260.00	-284.83	29.21	-22.28	-1903.92	-316.03	-23.65
69	3	210.00	-268.16	41.87	-15.00	-1937.93	139.87	-77.01
69	3	235.00	-272.42	41.87	-15.00	-1937.93	137.01	60.84
69	3	260.00	-227.70	17.63	-15.25	-1512.85	-222.15	-24.97
69	4	210.00	-355.41	62.65	-22.19	-2712.72	205.49	-91.37
69	4	235.00	-361.54	62.65	-22.19	-2712.72	201.48	76.34
69	4	260.00	-304.82	29.42	-22.50	-2036.51	-321.09	-19.59
69	5	210.00	-247.67	39.95	-14.79	-1794.97	140.47	-74.24
69	5	235.00	-251.68	39.95	-14.79	-1794.97	137.90	61.07
69	5	260.00	-207.86	17.53	-15.03	-1381.73	-217.06	-29.04
69	6	210.00	-334.92	60.73	-21.99	-2569.77	206.09	-88.60
69	6	235.00	-340.80	60.73	-21.99	-2569.77	202.36	76.57
69	6	260.00	-284.97	29.31	-22.28	-1905.40	-315.99	-23.65
69	7	210.00	-268.38	41.96	-15.00	-1939.94	139.85	-77.01
69	7	235.00	-272.65	41.96	-15.00	-1939.94	136.99	60.84
69	7	260.00	-227.84	17.73	-15.25	-1514.32	-222.11	-24.98
69	8	210.00	-355.63	62.74	-22.19	-2714.74	205.47	-91.37
69	8	235.00	-361.77	62.74	-22.19	-2714.74	201.46	76.34
69	8	260.00	-304.96	29.52	-22.50	-2037.98	-321.05	-19.59
69	9	210.00	-299.24	44.89	-15.30	-2155.38	138.94	-81.16
69	9	235.00	-303.87	44.89	-15.30	-2155.38	135.65	60.50
69	9	260.00	-257.68	17.95	-15.58	-1711.72	-229.73	-18.88
69	10	210.00	-386.49	65.66	-22.49	-2930.18	204.56	-95.53
69	10	235.00	-393.00	65.66	-22.49	-2930.18	200.12	75.99
69	10	260.00	-334.79	29.73	-22.83	-2235.39	-328.67	-13.50
69	11	210.00	-319.96	46.90	-15.50	-2300.35	138.32	-83.94
69	11	235.00	-324.84	46.90	-15.50	-2300.35	134.74	60.27
69	11	260.00	-277.67	18.16	-15.80	-1844.31	-234.79	-14.82
69	12	210.00	-407.20	67.67	-22.70	-3075.15	203.94	-98.30
69	12	235.00	-413.97	67.67	-22.70	-3075.15	199.21	75.76
69	12	260.00	-354.78	29.94	-23.05	-2367.97	-333.73	-9.44
69	13	210.00	-299.46	44.98	-15.30	-2157.40	138.92	-81.17
69	13	235.00	-304.10	44.98	-15.30	-2157.40	135.63	60.50
69	13	260.00	-257.82	18.05	-15.57	-1713.20	-229.70	-18.89
69	14	210.00	-386.71	65.75	-22.49	-2932.20	204.54	-95.53
69	14	235.00	-393.23	65.75	-22.49	-2932.20	200.09	75.99
69	14	260.00	-334.93	29.83	-22.82	-2236.86	-328.64	-13.50
69	15	210.00	-320.18	46.99	-15.50	-2302.37	138.30	-83.94
69	15	235.00	-325.07	46.99	-15.50	-2302.37	134.72	60.26

69	15	260.00	-277.81	18.26	-15.79	-1845.78	-234.76	-14.83
69	16	210.00	-407.43	67.76	-22.69	-3077.17	203.91	-98.30
69	16	235.00	-414.19	67.76	-22.69	-3077.17	199.19	75.76
69	16	260.00	-354.92	30.04	-23.04	-2369.44	-333.70	-9.44
...								
69	203	260.00	-238.27	20.12	-15.84	-1589.08	-229.19	-11.88
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-414.27	-11.54	-29.80	-3077.84	-376.47	-98.31
			-159.72	79.05	-2.20	-1061.08	276.67	115.85

Macro	Tipo	Angolo 1-Z (gradi)
70	**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
70	1	210.00	-158.18	-38.36	-1.18	295.78	3.67	33.19
70	1	235.00	-161.86	-38.36	-1.18	295.78	4.30	34.48
70	1	260.00	-132.28	-15.31	-2.13	90.25	-46.86	-11.78
70	2	210.00	-191.99	-63.02	-2.00	507.60	10.06	49.65
70	2	235.00	-197.70	-63.02	-2.00	507.60	10.95	56.10
70	2	260.00	-173.98	-30.16	-3.30	100.12	-71.39	-14.07
70	3	210.00	-173.67	-40.87	-1.39	299.22	3.84	36.67
70	3	235.00	-177.69	-40.87	-1.39	299.22	4.59	38.21
70	3	260.00	-148.13	-15.08	-2.44	93.19	-54.22	-15.78
70	4	210.00	-207.48	-65.54	-2.20	511.05	10.23	53.13
70	4	235.00	-213.54	-65.54	-2.20	511.05	11.24	59.83
70	4	260.00	-189.83	-29.93	-3.61	103.06	-78.75	-18.07
70	5	210.00	-158.16	-38.36	-1.17	295.57	3.48	33.11
70	5	235.00	-161.84	-38.36	-1.17	295.57	4.11	34.44
70	5	260.00	-132.26	-15.31	-2.12	90.15	-46.72	-11.82
70	6	210.00	-191.97	-63.02	-1.99	507.39	9.87	49.56
70	6	235.00	-197.68	-63.02	-1.99	507.39	10.77	56.06
70	6	260.00	-173.97	-30.17	-3.28	100.02	-71.26	-14.11
70	7	210.00	-173.65	-40.87	-1.38	299.01	3.65	36.59
70	7	235.00	-177.68	-40.87	-1.38	299.01	4.40	38.17
70	7	260.00	-148.11	-15.08	-2.43	93.09	-54.08	-15.82
70	8	210.00	-207.46	-65.54	-2.19	510.84	10.05	53.05
70	8	235.00	-213.52	-65.54	-2.19	510.84	11.05	59.79
70	8	260.00	-189.82	-29.93	-3.59	102.96	-78.62	-18.11
70	9	210.00	-196.89	-44.64	-1.70	304.40	4.10	41.90
70	9	235.00	-201.45	-44.64	-1.70	304.40	5.01	43.81
70	9	260.00	-171.90	-14.72	-2.91	97.61	-65.25	-21.78
70	10	210.00	-230.70	-69.31	-2.52	516.22	10.49	58.35
70	10	235.00	-237.30	-69.31	-2.52	516.22	11.67	65.43
70	10	260.00	-213.60	-29.58	-4.07	107.48	-89.79	-24.07
70	11	210.00	-212.38	-47.16	-1.91	307.84	4.28	45.38
70	11	235.00	-217.29	-47.16	-1.91	307.84	5.30	47.54
70	11	260.00	-187.75	-14.49	-3.22	100.55	-72.61	-25.78
70	12	210.00	-246.19	-71.82	-2.72	519.67	10.67	61.84
70	12	235.00	-253.14	-71.82	-2.72	519.67	11.95	69.16
70	12	260.00	-229.45	-29.34	-4.39	110.42	-97.15	-28.08
70	13	210.00	-196.87	-44.64	-1.69	304.18	3.91	41.82
70	13	235.00	-201.43	-44.64	-1.69	304.18	4.82	43.77
70	13	260.00	-171.89	-14.73	-2.89	97.50	-65.12	-21.82
70	14	210.00	-230.68	-69.31	-2.51	516.01	10.31	58.27
70	14	235.00	-237.28	-69.31	-2.51	516.01	11.48	65.39
70	14	260.00	-213.59	-29.58	-4.06	107.37	-89.65	-24.11
70	15	210.00	-212.36	-47.16	-1.90	307.63	4.09	45.30
70	15	235.00	-217.27	-47.16	-1.90	307.63	5.11	47.50
70	15	260.00	-187.74	-14.49	-3.21	100.45	-72.48	-25.82
70	16	210.00	-246.17	-71.82	-2.71	519.46	10.48	61.76
70	16	235.00	-253.12	-71.82	-2.71	519.46	11.76	69.12
70	16	260.00	-229.44	-29.34	-4.37	110.32	-97.01	-28.12
...								
70	203	260.00	-153.57	-19.26	-2.84	80.14	-62.81	-17.77
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-253.15	-80.00	-16.22	-129.93	-257.29	-119.81
			-101.74	12.48	11.92	691.68	198.06	217.27

Macro	Tipo	Angolo 1-Z (gradi)
71	**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
71	1	210.00	-271.39	7.00	-2.57	-1604.38	16.15	-2.56
71	1	235.00	-273.85	7.00	-2.57	-1604.38	15.15	8.33
71	1	260.00	-254.44	-15.94	-2.54	-1477.27	-38.63	14.76
71	2	210.00	-363.92	16.20	-4.81	-2379.93	36.30	-5.12
71	2	235.00	-367.96	16.20	-4.81	-2379.93	34.86	17.14
71	2	260.00	-345.32	-16.80	-4.77	-2026.64	-68.15	19.49
71	3	210.00	-303.74	7.86	-3.00	-1795.08	18.34	-3.12
71	3	235.00	-306.43	7.86	-3.00	-1795.08	17.21	9.34
71	3	260.00	-287.09	-17.68	-2.98	-1668.06	-46.20	15.17
71	4	210.00	-396.28	17.06	-5.23	-2570.64	38.48	-5.68
71	4	235.00	-400.54	17.06	-5.23	-2570.64	36.92	18.14
71	4	260.00	-377.97	-18.55	-5.21	-2217.42	-75.73	19.91
71	5	210.00	-271.39	6.99	-2.57	-1604.36	16.11	-2.58
71	5	235.00	-273.85	6.99	-2.57	-1604.36	15.11	8.33
71	5	260.00	-254.44	-15.94	-2.54	-1477.31	-38.59	14.75
71	6	210.00	-363.93	16.19	-4.80	-2379.92	36.26	-5.15
71	6	235.00	-367.96	16.19	-4.80	-2379.92	34.83	17.13
71	6	260.00	-345.32	-16.81	-4.77	-2026.67	-68.11	19.49
71	7	210.00	-303.75	7.85	-2.99	-1795.07	18.30	-3.14
71	7	235.00	-306.43	7.85	-2.99	-1795.07	17.17	9.33
71	7	260.00	-287.09	-17.68	-2.98	-1668.09	-46.16	15.17
71	8	210.00	-396.28	17.06	-5.23	-2570.62	38.45	-5.71
71	8	235.00	-400.54	17.06	-5.23	-2570.62	36.89	18.14
71	8	260.00	-377.97	-18.55	-5.21	-2217.45	-75.68	19.90
71	9	210.00	-352.28	9.15	-3.63	-2081.14	21.62	-3.96
71	9	235.00	-355.29	9.15	-3.63	-2081.14	20.29	10.85
71	9	260.00	-336.06	-20.29	-3.64	-1954.23	-57.57	15.79
71	10	210.00	-444.81	18.35	-5.87	-2856.70	41.77	-6.52
71	10	235.00	-449.40	18.35	-5.87	-2856.70	40.01	19.65
71	10	260.00	-426.94	-21.16	-5.87	-2503.59	-87.09	20.53
71	11	210.00	-384.63	10.01	-4.06	-2271.85	23.81	-4.52
71	11	235.00	-387.87	10.01	-4.06	-2271.85	22.35	11.85
71	11	260.00	-368.71	-22.03	-4.08	-2145.01	-65.14	16.20
71	12	210.00	-477.17	19.21	-6.30	-3047.40	43.95	-7.08
71	12	235.00	-481.98	19.21	-6.30	-3047.40	42.07	20.66
71	12	260.00	-459.59	-22.90	-6.31	-2694.38	-94.66	20.94
71	13	210.00	-352.28	9.15	-3.63	-2081.13	21.58	-3.98
71	13	235.00	-355.29	9.15	-3.63	-2081.13	20.26	10.85
71	13	260.00	-336.06	-20.29	-3.64	-1954.26	-57.52	15.79
71	14	210.00	-444.81	18.35	-5.87	-2856.68	41.73	-6.54
71	14	235.00	-449.40	18.35	-5.87	-2856.68	39.97	19.65
71	14	260.00	-426.94	-21.16	-5.87	-2503.63	-87.04	20.52
71	15	210.00	-384.63	10.01	-4.06	-2271.83	23.77	-4.54
71	15	235.00	-387.87	10.01	-4.06	-2271.83	22.32	11.85
71	15	260.00	-368.71	-22.03	-4.07	-2145.04	-65.09	16.20
71	16	210.00	-477.17	19.21	-6.29	-3047.39	43.92	-7.10
71	16	235.00	-481.98	19.21	-6.29	-3047.39	42.03	20.66
71	16	260.00	-459.60	-22.90	-6.31	-2694.41	-94.62	20.94
...								
71	203	260.00	-305.14	-15.97	-3.96	-1785.50	-59.58	14.65
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-481.98	-41.36	-26.87	-3047.41	-303.36	-61.41
			-195.72	39.34	17.90	-1136.35	267.83	90.27

Macro	Tipo	Angolo 1-Z (gradi)
75	**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
75	1	210.00	-825.32	0.0	-3.73	0.0	18.67	0.0
75	1	235.00	-852.03	0.0	-3.73	0.0	21.31	0.0
75	1	260.00	-702.05	0.0	1.91	0.0	-2.73	0.0
75	2	210.00	-1071.17	0.0	-8.28	0.0	67.98	0.0
75	2	235.00	-1117.02	0.0	-8.28	0.0	72.09	0.0
75	2	260.00	-932.68	0.0	-0.66	0.0	-41.49	0.0
75	3	210.00	-893.11	0.0	-4.03	0.0	19.38	0.0
75	3	235.00	-921.38	0.0	-4.03	0.0	22.24	0.0
75	3	260.00	-770.28	0.0	1.96	0.0	-4.94	0.0
75	4	210.00	-1138.95	0.0	-8.58	0.0	68.69	0.0
75	4	235.00	-1186.36	0.0	-8.58	0.0	73.03	0.0
75	4	260.00	-1000.91	0.0	-0.61	0.0	-43.70	0.0
75	5	210.00	-825.64	0.0	-3.74	0.0	18.74	0.0
75	5	235.00	-852.22	0.0	-3.74	0.0	21.37	0.0
75	5	260.00	-702.15	0.0	1.90	0.0	-2.77	0.0
75	6	210.00	-1071.49	0.0	-8.29	0.0	68.04	0.0
75	6	235.00	-1117.20	0.0	-8.29	0.0	72.15	0.0
75	6	260.00	-932.77	0.0	-0.67	0.0	-41.53	0.0
75	7	210.00	-893.43	0.0	-4.03	0.0	19.45	0.0
75	7	235.00	-921.57	0.0	-4.03	0.0	22.31	0.0

75	7	260.00	-770.38	0.0	1.95	0.0	-4.98	0.0
75	8	210.00	-1139.27	0.0	-8.58	0.0	68.76	0.0
75	8	235.00	-1186.55	0.0	-8.58	0.0	73.09	0.0
75	8	260.00	-1001.00	0.0	-0.62	0.0	-43.74	0.0
75	9	210.00	-994.78	0.0	-4.46	0.0	20.45	0.0
75	9	235.00	-1025.40	0.0	-4.46	0.0	23.65	0.0
75	9	260.00	-872.63	0.0	2.03	0.0	-8.26	0.0
75	10	210.00	-1240.62	0.0	-9.01	0.0	69.76	0.0
75	10	235.00	-1290.39	0.0	-9.01	0.0	74.44	0.0
75	10	260.00	-1103.26	0.0	-0.54	0.0	-47.01	0.0
75	11	210.00	-1062.57	0.0	-4.76	0.0	21.17	0.0
75	11	235.00	-1094.75	0.0	-4.76	0.0	24.59	0.0
75	11	260.00	-940.86	0.0	2.08	0.0	-10.46	0.0
75	12	210.00	-1308.41	0.0	-9.31	0.0	70.47	0.0
75	12	235.00	-1359.74	0.0	-9.31	0.0	75.38	0.0
75	12	260.00	-1171.49	0.0	-0.49	0.0	-49.22	0.0
75	13	210.00	-995.10	0.0	-4.47	0.0	20.52	0.0
75	13	235.00	-1025.59	0.0	-4.47	0.0	23.72	0.0
75	13	260.00	-872.72	0.0	2.03	0.0	-8.30	0.0
75	14	210.00	-1240.95	0.0	-9.02	0.0	69.83	0.0
75	14	235.00	-1290.57	0.0	-9.02	0.0	74.50	0.0
75	14	260.00	-1103.35	0.0	-0.54	0.0	-47.05	0.0
75	15	210.00	-1062.89	0.0	-4.76	0.0	21.23	0.0
75	15	235.00	-1094.94	0.0	-4.76	0.0	24.65	0.0
75	15	260.00	-940.95	0.0	2.08	0.0	-10.51	0.0
75	16	210.00	-1308.73	0.0	-9.31	0.0	70.54	0.0
75	16	235.00	-1359.92	0.0	-9.31	0.0	75.44	0.0
75	16	260.00	-1171.58	0.0	-0.49	0.0	-49.26	0.0
...								
75	203	260.00	-790.44	0.0	0.19	0.0	-26.91	0.0
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-1359.99	-309.18	-12.18	-1.551e+04	-71.82	-460.13
			-540.00	309.18	3.34	1.551e+04	110.27	460.13

Macro	Tipo	Angolo 1-Z (gradi)
76	**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
76	1	210.00	-125.09	2.13	-1.94	504.80	-28.78	83.32
76	1	235.00	-128.52	2.13	-1.94	504.80	-27.45	55.55
76	1	260.00	-102.16	25.45	-2.89	253.35	-104.44	-53.85
76	2	210.00	-154.14	4.82	-5.77	726.10	2.35	106.45
76	2	235.00	-158.96	4.82	-5.77	726.10	4.30	103.26
76	2	260.00	-133.67	37.56	-7.41	305.47	-193.59	-90.71
76	3	210.00	-133.96	2.15	-2.04	526.00	-33.28	90.88
76	3	235.00	-137.61	2.15	-2.04	526.00	-31.84	60.01
76	3	260.00	-111.16	27.45	-3.08	269.48	-113.34	-59.94
76	4	210.00	-163.01	4.84	-5.87	747.30	-2.15	114.01
76	4	235.00	-168.06	4.84	-5.87	747.30	-0.08	107.73
76	4	260.00	-142.68	39.56	-7.59	321.60	-202.49	-96.79
76	5	210.00	-124.71	2.22	-1.93	501.19	-28.86	83.25
76	5	235.00	-128.14	2.22	-1.93	501.19	-27.53	55.49
76	5	260.00	-101.90	25.55	-2.89	251.25	-104.38	-53.88
76	6	210.00	-153.76	4.91	-5.77	722.49	2.28	106.38
76	6	235.00	-158.58	4.91	-5.77	722.49	4.23	103.20
76	6	260.00	-133.42	37.66	-7.40	303.37	-193.53	-90.73
76	7	210.00	-133.57	2.25	-2.04	522.39	-33.36	90.81
76	7	235.00	-137.24	2.25	-2.04	522.39	-31.92	59.95
76	7	260.00	-110.91	27.55	-3.07	267.39	-113.28	-59.96
76	8	210.00	-162.62	4.93	-5.87	743.69	-2.22	113.94
76	8	235.00	-167.68	4.93	-5.87	743.69	-0.16	107.67
76	8	260.00	-142.42	39.66	-7.59	319.50	-202.43	-96.82
76	9	210.00	-147.26	2.18	-2.20	557.79	-40.03	102.23
76	9	235.00	-151.26	2.18	-2.20	557.79	-38.42	66.72
76	9	260.00	-124.67	30.46	-3.35	293.68	-126.69	-69.07
76	10	210.00	-176.31	4.87	-6.03	779.10	-8.90	125.36
76	10	235.00	-181.71	4.87	-6.03	779.10	-6.67	114.43
76	10	260.00	-156.18	42.57	-7.86	345.80	-215.85	-105.92
76	11	210.00	-156.12	2.20	-2.30	578.99	-44.53	109.79
76	11	235.00	-160.36	2.20	-2.30	578.99	-42.81	71.19
76	11	260.00	-133.68	32.46	-3.53	309.82	-135.60	-75.15
76	12	210.00	-185.17	4.89	-6.13	800.29	-13.40	132.92
76	12	235.00	-190.81	4.89	-6.13	800.29	-11.05	118.90
76	12	260.00	-165.19	44.57	-8.05	361.93	-224.75	-112.01
76	13	210.00	-146.87	2.28	-2.19	554.18	-40.11	102.16
76	13	235.00	-150.88	2.28	-2.19	554.18	-38.50	66.66
76	13	260.00	-124.42	30.56	-3.34	291.59	-126.64	-69.09
76	14	210.00	-175.92	4.96	-6.03	775.49	-8.97	125.29
76	14	235.00	-181.33	4.96	-6.03	775.49	-6.74	114.37

76	14	260.00	-155.93	42.67	-7.86	343.70	-215.79	-105.95
76	15	210.00	-155.74	2.30	-2.30	575.38	-44.61	109.72
76	15	235.00	-159.98	2.30	-2.30	575.38	-42.88	71.13
76	15	260.00	-133.42	32.56	-3.52	307.72	-135.54	-75.18
76	16	210.00	-184.79	4.98	-6.13	796.68	-13.47	132.85
76	16	235.00	-190.43	4.98	-6.13	796.68	-11.13	118.84
76	16	260.00	-164.93	44.67	-8.04	359.84	-224.69	-112.04
...								
76	203	260.00	-112.10	29.81	-4.97	251.99	-144.48	-72.45
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-190.94	-43.06	-10.55	106.83	-255.48	-140.05
			-78.27	74.22	2.64	802.96	73.96	224.43

Macro	Tipo	Angolo 1-Z (gradi)
78	**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
78	1	210.00	-125.09	2.13	1.94	504.80	28.78	-83.32
78	1	235.00	-128.52	2.13	1.94	504.80	27.45	-55.55
78	1	260.00	-102.16	25.45	2.89	253.35	104.44	53.85
78	2	210.00	-154.14	4.82	5.77	726.10	-2.35	-106.45
78	2	235.00	-158.96	4.82	5.77	726.10	-4.30	-103.26
78	2	260.00	-133.67	37.56	7.41	305.47	193.59	90.71
78	3	210.00	-133.96	2.15	2.04	526.00	33.28	-90.88
78	3	235.00	-137.61	2.15	2.04	526.00	31.84	-60.01
78	3	260.00	-111.16	27.45	3.08	269.48	113.34	59.94
78	4	210.00	-163.01	4.84	5.87	747.30	2.15	-114.01
78	4	235.00	-168.06	4.84	5.87	747.30	0.08	-107.73
78	4	260.00	-142.68	39.56	7.59	321.60	202.49	96.79
78	5	210.00	-124.71	2.22	1.93	501.19	28.86	-83.25
78	5	235.00	-128.14	2.22	1.93	501.19	27.53	-55.49
78	5	260.00	-101.90	25.55	2.89	251.25	104.38	53.88
78	6	210.00	-153.76	4.91	5.77	722.49	-2.28	-106.38
78	6	235.00	-158.58	4.91	5.77	722.49	-4.23	-103.20
78	6	260.00	-133.42	37.66	7.40	303.37	193.53	90.73
78	7	210.00	-133.57	2.25	2.04	522.39	33.36	-90.81
78	7	235.00	-137.24	2.25	2.04	522.39	31.92	-59.95
78	7	260.00	-110.91	27.55	3.07	267.39	113.28	59.96
78	8	210.00	-162.62	4.93	5.87	743.69	2.22	-113.94
78	8	235.00	-167.68	4.93	5.87	743.69	0.16	-107.67
78	8	260.00	-142.42	39.66	7.59	319.50	202.43	96.82
78	9	210.00	-147.26	2.18	2.20	557.79	40.03	-102.23
78	9	235.00	-151.26	2.18	2.20	557.79	38.42	-66.72
78	9	260.00	-124.67	30.46	3.35	293.68	126.69	69.07
78	10	210.00	-176.31	4.87	6.03	779.10	8.90	-125.36
78	10	235.00	-181.71	4.87	6.03	779.10	6.67	-114.43
78	10	260.00	-156.18	42.57	7.86	345.80	215.85	105.92
78	11	210.00	-156.12	2.20	2.30	578.99	44.53	-109.79
78	11	235.00	-160.36	2.20	2.30	578.99	42.81	-71.19
78	11	260.00	-133.68	32.46	3.53	309.82	135.60	75.15
78	12	210.00	-185.17	4.89	6.13	800.29	13.40	-132.92
78	12	235.00	-190.81	4.89	6.13	800.29	11.05	-118.90
78	12	260.00	-165.19	44.57	8.05	361.93	224.75	112.01
78	13	210.00	-146.87	2.28	2.19	554.18	40.11	-102.16
78	13	235.00	-150.88	2.28	2.19	554.18	38.50	-66.66
78	13	260.00	-124.42	30.56	3.34	291.59	126.64	69.09
78	14	210.00	-175.92	4.96	6.03	775.49	8.97	-125.29
78	14	235.00	-181.33	4.96	6.03	775.49	6.74	-114.37
78	14	260.00	-155.93	42.67	7.86	343.70	215.79	105.95
78	15	210.00	-155.74	2.30	2.30	575.38	44.61	-109.72
78	15	235.00	-159.98	2.30	2.30	575.38	42.88	-71.13
78	15	260.00	-133.42	32.56	3.52	307.72	135.54	75.18
78	16	210.00	-184.79	4.98	6.13	796.68	13.47	-132.85
78	16	235.00	-190.43	4.98	6.13	796.68	11.13	-118.84
78	16	260.00	-164.93	44.67	8.04	359.84	224.69	112.04
...								
78	203	260.00	-112.10	29.81	4.97	251.99	144.48	72.45
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-190.94	-43.06	-2.64	106.83	-73.96	-224.43
			-78.27	74.22	10.55	802.96	255.48	140.05

Macro	Tipo	Angolo 1-Z (gradi)
79	**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
79	1	210.00	-174.59	-24.00	-0.21	256.13	-0.68	9.91
79	1	235.00	-178.10	-24.00	-0.21	256.13	-0.51	10.01
79	1	260.00	-146.03	-0.98	-0.37	28.61	-10.53	-1.68
79	2	210.00	-218.19	-41.26	-0.47	462.66	1.00	15.22
79	2	235.00	-223.70	-41.26	-0.47	462.66	1.27	17.02
79	2	260.00	-195.28	-8.13	-0.69	19.23	-18.13	-2.30
79	3	210.00	-191.64	-25.91	-0.21	252.97	-0.90	10.64
79	3	235.00	-195.49	-25.91	-0.21	252.97	-0.72	10.63
79	3	260.00	-163.27	-0.23	-0.38	17.76	-11.12	-1.82
79	4	210.00	-235.24	-43.18	-0.47	459.50	0.78	15.95
79	4	235.00	-241.09	-43.18	-0.47	459.50	1.06	17.64
79	4	260.00	-212.52	-7.38	-0.71	8.39	-18.71	-2.44
79	5	210.00	-174.85	-24.08	-0.21	258.53	-0.77	9.88
79	5	235.00	-178.35	-24.08	-0.21	258.53	-0.60	9.99
79	5	260.00	-146.21	-1.08	-0.36	30.26	-10.47	-1.70
79	6	210.00	-218.44	-41.35	-0.46	465.06	0.91	15.19
79	6	235.00	-223.96	-41.35	-0.46	465.06	1.18	17.00
79	6	260.00	-195.46	-8.23	-0.68	20.88	-18.06	-2.32
79	7	210.00	-191.90	-26.00	-0.21	255.37	-0.99	10.61
79	7	235.00	-195.74	-26.00	-0.21	255.37	-0.81	10.61
79	7	260.00	-163.45	-0.33	-0.38	19.41	-11.05	-1.84
79	8	210.00	-235.49	-43.27	-0.47	461.90	0.69	15.92
79	8	235.00	-241.35	-43.27	-0.47	461.90	0.97	17.62
79	8	260.00	-212.70	-7.48	-0.70	10.04	-18.65	-2.46
79	9	210.00	-217.22	-28.79	-0.22	248.23	-1.23	11.74
79	9	235.00	-221.57	-28.79	-0.22	248.23	-1.04	11.56
79	9	260.00	-189.12	0.90	-0.40	1.50	-12.00	-2.02
79	10	210.00	-260.81	-46.06	-0.48	454.76	0.45	17.04
79	10	235.00	-267.17	-46.06	-0.48	454.76	0.74	18.57
79	10	260.00	-238.37	-6.25	-0.73	-7.87	-19.60	-2.64
79	11	210.00	-234.27	-30.71	-0.22	245.07	-1.45	12.47
79	11	235.00	-238.95	-30.71	-0.22	245.07	-1.25	12.19
79	11	260.00	-206.36	1.65	-0.42	-9.34	-12.59	-2.15
79	12	210.00	-277.86	-47.98	-0.48	451.60	0.23	17.77
79	12	235.00	-284.56	-47.98	-0.48	451.60	0.53	19.20
79	12	260.00	-255.61	-5.50	-0.74	-18.72	-20.19	-2.78
79	13	210.00	-217.47	-28.88	-0.21	250.63	-1.32	11.70
79	13	235.00	-221.82	-28.88	-0.21	250.63	-1.13	11.55
79	13	260.00	-189.31	0.80	-0.40	3.15	-11.94	-2.04
79	14	210.00	-261.07	-46.15	-0.47	457.16	0.36	17.01
79	14	235.00	-267.43	-46.15	-0.47	457.16	0.65	18.56
79	14	260.00	-238.55	-6.35	-0.72	-6.22	-19.53	-2.66
79	15	210.00	-234.52	-30.80	-0.22	247.47	-1.54	12.43
79	15	235.00	-239.21	-30.80	-0.22	247.47	-1.34	12.17
79	15	260.00	-206.54	1.55	-0.41	-7.69	-12.53	-2.17
79	16	210.00	-278.12	-48.06	-0.47	454.00	0.14	17.74
79	16	235.00	-284.81	-48.06	-0.47	454.00	0.44	19.18
79	16	260.00	-255.79	-5.60	-0.74	-17.07	-20.12	-2.80
...								
79	203	260.00	-170.84	-3.20	-0.48	-2.60	-13.22	-1.89
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-284.90	-62.44	-15.65	-193.07	-222.18	-164.45
			-112.25	27.94	14.40	581.78	209.32	192.46

Macro	Tipo	Angolo 1-Z (gradi)
80	**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
80	1	210.00	-292.04	15.51	-1.00	-1647.15	7.40	-0.83
80	1	235.00	-294.23	15.51	-1.00	-1647.15	7.20	5.28
80	1	260.00	-269.29	-7.25	-1.02	-1469.29	-15.26	1.30
80	2	210.00	-396.88	28.76	-1.71	-2462.13	13.17	-0.82
80	2	235.00	-400.54	28.76	-1.71	-2462.13	12.86	8.50
80	2	260.00	-369.93	-4.42	-1.73	-2040.52	-25.15	2.37
80	3	210.00	-326.04	16.89	-1.04	-1836.88	7.64	-0.96
80	3	235.00	-328.44	16.89	-1.04	-1836.88	7.42	5.47
80	3	260.00	-303.23	-8.30	-1.06	-1651.47	-15.80	1.65
80	4	210.00	-430.88	30.13	-1.74	-2651.86	13.42	-0.96
80	4	235.00	-434.75	30.13	-1.74	-2651.86	13.08	8.69
80	4	260.00	-403.87	-5.47	-1.77	-2222.70	-25.69	2.72
80	5	210.00	-291.84	15.42	-1.00	-1645.37	7.38	-0.84
80	5	235.00	-294.04	15.42	-1.00	-1645.37	7.18	5.28
80	5	260.00	-269.17	-7.34	-1.02	-1468.13	-15.24	1.30
80	6	210.00	-396.68	28.67	-1.70	-2460.35	13.15	-0.83

80	6	235.00	-400.34	28.67	-1.70	-2460.35	12.84	8.50
80	6	260.00	-369.80	-4.51	-1.73	-2039.36	-25.13	2.37
80	7	210.00	-325.84	16.80	-1.04	-1835.10	7.63	-0.97
80	7	235.00	-328.24	16.80	-1.04	-1835.10	7.40	5.47
80	7	260.00	-303.11	-8.39	-1.06	-1650.31	-15.78	1.65
80	8	210.00	-430.69	30.05	-1.74	-2650.08	13.40	-0.96
80	8	235.00	-434.55	30.05	-1.74	-2650.08	13.06	8.69
80	8	260.00	-403.74	-5.57	-1.77	-2221.54	-25.67	2.72
80	9	210.00	-377.05	18.96	-1.10	-2121.48	8.01	-1.16
80	9	235.00	-379.75	18.96	-1.10	-2121.48	7.76	5.75
80	9	260.00	-354.14	-9.88	-1.11	-1924.74	-16.60	2.18
80	10	210.00	-481.89	32.20	-1.80	-2936.46	13.78	-1.15
80	10	235.00	-486.05	32.20	-1.80	-2936.46	13.42	8.97
80	10	260.00	-454.78	-7.05	-1.83	-2495.97	-26.50	3.25
80	11	210.00	-411.06	20.33	-1.13	-2311.21	8.25	-1.29
80	11	235.00	-413.95	20.33	-1.13	-2311.21	7.98	5.94
80	11	260.00	-388.08	-10.93	-1.15	-2106.92	-17.14	2.53
80	12	210.00	-515.90	33.58	-1.84	-3126.19	14.02	-1.29
80	12	235.00	-520.26	33.58	-1.84	-3126.19	13.64	9.16
80	12	260.00	-488.71	-8.10	-1.86	-2678.15	-27.03	3.60
80	13	210.00	-376.85	18.87	-1.09	-2119.70	7.99	-1.17
80	13	235.00	-379.55	18.87	-1.09	-2119.70	7.74	5.75
80	13	260.00	-354.01	-9.97	-1.11	-1923.58	-16.58	2.18
80	14	210.00	-481.70	32.11	-1.80	-2934.68	13.76	-1.16
80	14	235.00	-485.86	32.11	-1.80	-2934.68	13.40	8.97
80	14	260.00	-454.65	-7.14	-1.82	-2494.81	-26.48	3.25
80	15	210.00	-410.86	20.25	-1.13	-2309.43	8.23	-1.30
80	15	235.00	-413.75	20.25	-1.13	-2309.43	7.96	5.94
80	15	260.00	-387.95	-11.02	-1.15	-2105.76	-17.12	2.53
80	16	210.00	-515.70	33.49	-1.83	-3124.41	14.00	-1.30
80	16	235.00	-520.06	33.49	-1.83	-3124.41	13.62	9.16
80	16	260.00	-488.59	-8.19	-1.86	-2676.99	-27.01	3.60
...								
80	203	260.00	-324.12	-6.07	-1.23	-1774.50	-18.01	2.23
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-520.32	-28.96	-24.96	-3126.79	-270.21	-72.13
			-206.99	46.36	22.16	-1128.81	258.23	85.43

Macro	Tipo	Angolo 1-Z (gradi)
81	**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
81	1	210.00	-174.59	-24.00	0.21	256.13	0.68	-9.91
81	1	235.00	-178.10	-24.00	0.21	256.13	0.51	-10.01
81	1	260.00	-146.03	-0.98	0.37	28.61	10.53	1.68
81	2	210.00	-218.19	-41.26	0.47	462.66	-1.00	-15.22
81	2	235.00	-223.70	-41.26	0.47	462.66	-1.27	-17.02
81	2	260.00	-195.28	-8.13	0.69	19.23	18.13	2.30
81	3	210.00	-191.64	-25.91	0.21	252.97	0.90	-10.64
81	3	235.00	-195.49	-25.91	0.21	252.97	0.72	-10.63
81	3	260.00	-163.27	-0.23	0.38	17.76	11.12	1.82
81	4	210.00	-235.24	-43.18	0.47	459.50	-0.78	-15.95
81	4	235.00	-241.09	-43.18	0.47	459.50	-1.06	-17.64
81	4	260.00	-212.52	-7.38	0.71	8.39	18.71	2.44
81	5	210.00	-174.85	-24.08	0.21	258.53	0.77	-9.88
81	5	235.00	-178.35	-24.08	0.21	258.53	0.60	-9.99
81	5	260.00	-146.21	-1.08	0.36	30.26	10.47	1.70
81	6	210.00	-218.44	-41.35	0.46	465.06	-0.91	-15.19
81	6	235.00	-223.96	-41.35	0.46	465.06	-1.18	-17.00
81	6	260.00	-195.46	-8.23	0.68	20.88	18.06	2.32
81	7	210.00	-191.90	-26.00	0.21	255.37	0.99	-10.61
81	7	235.00	-195.74	-26.00	0.21	255.37	0.81	-10.61
81	7	260.00	-163.45	-0.33	0.38	19.41	11.05	1.84
81	8	210.00	-235.49	-43.27	0.47	461.90	-0.69	-15.92
81	8	235.00	-241.35	-43.27	0.47	461.90	-0.97	-17.62
81	8	260.00	-212.70	-7.48	0.70	10.04	18.65	2.46
81	9	210.00	-217.22	-28.79	0.22	248.23	1.23	-11.74
81	9	235.00	-221.57	-28.79	0.22	248.23	1.04	-11.56
81	9	260.00	-189.12	0.90	0.40	1.50	12.00	2.02
81	10	210.00	-260.81	-46.06	0.48	454.76	-0.45	-17.04
81	10	235.00	-267.17	-46.06	0.48	454.76	-0.74	-18.57
81	10	260.00	-238.37	-6.25	0.73	-7.87	19.60	2.64
81	11	210.00	-234.27	-30.71	0.22	245.07	1.45	-12.47
81	11	235.00	-238.95	-30.71	0.22	245.07	1.25	-12.19
81	11	260.00	-206.36	1.65	0.42	-9.34	12.59	2.15
81	12	210.00	-277.86	-47.98	0.48	451.60	-0.23	-17.77
81	12	235.00	-284.56	-47.98	0.48	451.60	-0.53	-19.20
81	12	260.00	-255.61	-5.50	0.74	-18.72	20.19	2.78
81	13	210.00	-217.47	-28.88	0.21	250.63	1.32	-11.70

81	13	235.00	-221.82	-28.88	0.21	250.63	1.13	-11.55
81	13	260.00	-189.31	0.80	0.40	3.15	11.94	2.04
81	14	210.00	-261.07	-46.15	0.47	457.16	-0.36	-17.01
81	14	235.00	-267.43	-46.15	0.47	457.16	-0.65	-18.56
81	14	260.00	-238.55	-6.35	0.72	-6.22	19.53	2.66
81	15	210.00	-234.52	-30.80	0.22	247.47	1.54	-12.43
81	15	235.00	-239.21	-30.80	0.22	247.47	1.34	-12.17
81	15	260.00	-206.54	1.55	0.41	-7.69	12.53	2.17
81	16	210.00	-278.12	-48.06	0.47	454.00	-0.14	-17.74
81	16	235.00	-284.81	-48.06	0.47	454.00	-0.44	-19.18
81	16	260.00	-255.79	-5.60	0.74	-17.07	20.12	2.80
...								
81	203	260.00	-170.84	-3.20	0.48	-2.60	13.22	1.89
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-284.90	-62.44	-14.40	-193.07	-209.32	-192.46
			-112.25	27.94	15.65	581.78	222.18	164.45

Macro	Tipo	Angolo 1-Z (gradi)
82	**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
82	1	210.00	-292.04	15.51	1.00	-1647.15	-7.40	0.83
82	1	235.00	-294.23	15.51	1.00	-1647.15	-7.20	-5.28
82	1	260.00	-269.29	-7.25	1.02	-1469.29	15.26	-1.30
82	2	210.00	-396.88	28.76	1.71	-2462.13	-13.17	0.82
82	2	235.00	-400.54	28.76	1.71	-2462.13	-12.86	-8.50
82	2	260.00	-369.93	-4.42	1.73	-2040.52	25.15	-2.37
82	3	210.00	-326.04	16.89	1.04	-1836.88	-7.64	0.96
82	3	235.00	-328.44	16.89	1.04	-1836.88	-7.42	-5.47
82	3	260.00	-303.23	-8.30	1.06	-1651.47	15.80	-1.65
82	4	210.00	-430.88	30.13	1.74	-2651.86	-13.42	0.96
82	4	235.00	-434.75	30.13	1.74	-2651.86	-13.08	-8.69
82	4	260.00	-403.87	-5.47	1.77	-2222.70	25.69	-2.72
82	5	210.00	-291.84	15.42	1.00	-1645.37	-7.38	0.84
82	5	235.00	-294.04	15.42	1.00	-1645.37	-7.18	-5.28
82	5	260.00	-269.17	-7.34	1.02	-1468.13	15.24	-1.30
82	6	210.00	-396.68	28.67	1.70	-2460.35	-13.15	0.83
82	6	235.00	-400.34	28.67	1.70	-2460.35	-12.84	-8.50
82	6	260.00	-369.80	-4.51	1.73	-2039.36	25.13	-2.37
82	7	210.00	-325.84	16.80	1.04	-1835.10	-7.63	0.97
82	7	235.00	-328.24	16.80	1.04	-1835.10	-7.40	-5.47
82	7	260.00	-303.11	-8.39	1.06	-1650.31	15.78	-1.65
82	8	210.00	-430.69	30.05	1.74	-2650.08	-13.40	0.96
82	8	235.00	-434.55	30.05	1.74	-2650.08	-13.06	-8.69
82	8	260.00	-403.74	-5.57	1.77	-2221.54	25.67	-2.72
82	9	210.00	-377.05	18.96	1.10	-2121.48	-8.01	1.16
82	9	235.00	-379.75	18.96	1.10	-2121.48	-7.76	-5.75
82	9	260.00	-354.14	-9.88	1.11	-1924.74	16.60	-2.18
82	10	210.00	-481.89	32.20	1.80	-2936.46	-13.78	1.15
82	10	235.00	-486.05	32.20	1.80	-2936.46	-13.42	-8.97
82	10	260.00	-454.78	-7.05	1.83	-2495.97	26.50	-3.25
82	11	210.00	-411.06	20.33	1.13	-2311.21	-8.25	1.29
82	11	235.00	-413.95	20.33	1.13	-2311.21	-7.98	-5.94
82	11	260.00	-388.08	-10.93	1.15	-2106.92	17.14	-2.53
82	12	210.00	-515.90	33.58	1.84	-3126.19	-14.02	1.29
82	12	235.00	-520.26	33.58	1.84	-3126.19	-13.64	-9.16
82	12	260.00	-488.71	-8.10	1.86	-2678.15	27.03	-3.60
82	13	210.00	-376.85	18.87	1.09	-2119.70	-7.99	1.17
82	13	235.00	-379.55	18.87	1.09	-2119.70	-7.74	-5.75
82	13	260.00	-354.01	-9.97	1.11	-1923.58	16.58	-2.18
82	14	210.00	-481.70	32.11	1.80	-2934.68	-13.76	1.16
82	14	235.00	-485.86	32.11	1.80	-2934.68	-13.40	-8.97
82	14	260.00	-454.65	-7.14	1.82	-2494.81	26.48	-3.25
82	15	210.00	-410.86	20.25	1.13	-2309.43	-8.23	1.30
82	15	235.00	-413.75	20.25	1.13	-2309.43	-7.96	-5.94
82	15	260.00	-387.95	-11.02	1.15	-2105.76	17.12	-2.53
82	16	210.00	-515.70	33.49	1.83	-3124.41	-14.00	1.30
82	16	235.00	-520.06	33.49	1.83	-3124.41	-13.62	-9.16
82	16	260.00	-488.59	-8.19	1.86	-2676.99	27.01	-3.60
...								
82	203	260.00	-324.12	-6.07	1.23	-1774.50	18.01	-2.23
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-520.32	-28.96	-22.16	-3126.79	-258.23	-85.43
			-206.99	46.36	24.96	-1128.81	270.21	72.13

Macro	Tipo	Angolo 1-Z (gradi)
83	**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
83	1	210.00	-158.18	-38.36	1.18	295.78	-3.67	-33.19
83	1	235.00	-161.86	-38.36	1.18	295.78	-4.30	-34.48
83	1	260.00	-132.28	-15.31	2.13	90.25	46.86	11.78
83	2	210.00	-191.99	-63.02	2.00	507.60	-10.06	-49.65
83	2	235.00	-197.70	-63.02	2.00	507.60	-10.95	-56.10
83	2	260.00	-173.98	-30.16	3.30	100.12	71.39	14.07
83	3	210.00	-173.67	-40.87	1.39	299.22	-3.84	-36.67
83	3	235.00	-177.69	-40.87	1.39	299.22	-4.59	-38.21
83	3	260.00	-148.13	-15.08	2.44	93.19	54.22	15.78
83	4	210.00	-207.48	-65.54	2.20	511.05	-10.23	-53.13
83	4	235.00	-213.54	-65.54	2.20	511.05	-11.24	-59.83
83	4	260.00	-189.83	-29.93	3.61	103.06	78.75	18.07
83	5	210.00	-158.16	-38.36	1.17	295.57	-3.48	-33.11
83	5	235.00	-161.84	-38.36	1.17	295.57	-4.11	-34.44
83	5	260.00	-132.26	-15.31	2.12	90.15	46.72	11.82
83	6	210.00	-191.97	-63.02	1.99	507.39	-9.87	-49.56
83	6	235.00	-197.68	-63.02	1.99	507.39	-10.77	-56.06
83	6	260.00	-173.97	-30.17	3.28	100.02	71.26	14.11
83	7	210.00	-173.65	-40.87	1.38	299.01	-3.65	-36.59
83	7	235.00	-177.68	-40.87	1.38	299.01	-4.40	-38.17
83	7	260.00	-148.11	-15.08	2.43	93.09	54.08	15.82
83	8	210.00	-207.46	-65.54	2.19	510.84	-10.05	-53.05
83	8	235.00	-213.52	-65.54	2.19	510.84	-11.05	-59.79
83	8	260.00	-189.82	-29.93	3.59	102.96	78.62	18.11
83	9	210.00	-196.89	-44.64	1.70	304.40	-4.10	-41.90
83	9	235.00	-201.45	-44.64	1.70	304.40	-5.01	-43.81
83	9	260.00	-171.90	-14.72	2.91	97.61	65.25	21.78
83	10	210.00	-230.70	-69.31	2.52	516.22	-10.49	-58.35
83	10	235.00	-237.30	-69.31	2.52	516.22	-11.67	-65.43
83	10	260.00	-213.60	-29.58	4.07	107.48	89.79	24.07
83	11	210.00	-212.38	-47.16	1.91	307.84	-4.28	-45.38
83	11	235.00	-217.29	-47.16	1.91	307.84	-5.30	-47.54
83	11	260.00	-187.75	-14.49	3.22	100.55	72.61	25.78
83	12	210.00	-246.19	-71.82	2.72	519.67	-10.67	-61.84
83	12	235.00	-253.14	-71.82	2.72	519.67	-11.95	-69.16
83	12	260.00	-229.45	-29.34	4.39	110.42	97.15	28.08
83	13	210.00	-196.87	-44.64	1.69	304.18	-3.91	-41.82
83	13	235.00	-201.43	-44.64	1.69	304.18	-4.82	-43.77
83	13	260.00	-171.89	-14.73	2.89	97.50	65.12	21.82
83	14	210.00	-230.68	-69.31	2.51	516.01	-10.31	-58.27
83	14	235.00	-237.28	-69.31	2.51	516.01	-11.48	-65.39
83	14	260.00	-213.59	-29.58	4.06	107.37	89.65	24.11
83	15	210.00	-212.36	-47.16	1.90	307.63	-4.09	-45.30
83	15	235.00	-217.27	-47.16	1.90	307.63	-5.11	-47.50
83	15	260.00	-187.74	-14.49	3.21	100.45	72.48	25.82
83	16	210.00	-246.17	-71.82	2.71	519.46	-10.48	-61.76
83	16	235.00	-253.12	-71.82	2.71	519.46	-11.76	-69.12
83	16	260.00	-229.44	-29.34	4.37	110.32	97.01	28.12
...								
83	203	260.00	-153.57	-19.26	2.84	80.14	62.81	17.77
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-253.15	-80.00	-11.92	-129.93	-198.06	-217.27
			-101.74	12.48	16.22	691.68	257.29	119.81

Macro	Tipo	Angolo 1-Z (gradi)
84	**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
84	1	210.00	-271.39	7.00	2.57	-1604.38	-16.15	2.56
84	1	235.00	-273.85	7.00	2.57	-1604.38	-15.15	-8.33
84	1	260.00	-254.44	-15.94	2.54	-1477.27	38.63	-14.76
84	2	210.00	-363.92	16.20	4.81	-2379.93	-36.30	5.12
84	2	235.00	-367.96	16.20	4.81	-2379.93	-34.86	-17.14
84	2	260.00	-345.32	-16.80	4.77	-2026.64	68.15	-19.49
84	3	210.00	-303.74	7.86	3.00	-1795.08	-18.34	3.12
84	3	235.00	-306.43	7.86	3.00	-1795.08	-17.21	-9.34
84	3	260.00	-287.09	-17.68	2.98	-1668.06	46.20	-15.17
84	4	210.00	-396.28	17.06	5.23	-2570.64	-38.48	5.68
84	4	235.00	-400.54	17.06	5.23	-2570.64	-36.92	-18.14
84	4	260.00	-377.97	-18.55	5.21	-2217.42	75.73	-19.91
84	5	210.00	-271.39	6.99	2.57	-1604.36	-16.11	2.58

84	5	235.00	-273.85	6.99	2.57	-1604.36	-15.11	-8.33
84	5	260.00	-254.44	-15.94	2.54	-1477.31	38.59	-14.75
84	6	210.00	-363.93	16.19	4.80	-2379.92	-36.26	5.15
84	6	235.00	-367.96	16.19	4.80	-2379.92	-34.83	-17.13
84	6	260.00	-345.32	-16.81	4.77	-2026.67	68.11	-19.49
84	7	210.00	-303.75	7.85	2.99	-1795.07	-18.30	3.14
84	7	235.00	-306.43	7.85	2.99	-1795.07	-17.17	-9.33
84	7	260.00	-287.09	-17.68	2.98	-1668.09	46.16	-15.17
84	8	210.00	-396.28	17.06	5.23	-2570.62	-38.45	5.71
84	8	235.00	-400.54	17.06	5.23	-2570.62	-36.89	-18.14
84	8	260.00	-377.97	-18.55	5.21	-2217.45	75.68	-19.90
84	9	210.00	-352.28	9.15	3.63	-2081.14	-21.62	3.96
84	9	235.00	-355.29	9.15	3.63	-2081.14	-20.29	-10.85
84	9	260.00	-336.06	-20.29	3.64	-1954.23	57.57	-15.79
84	10	210.00	-444.81	18.35	5.87	-2856.70	-41.77	6.52
84	10	235.00	-449.40	18.35	5.87	-2856.70	-40.01	-19.65
84	10	260.00	-426.94	-21.16	5.87	-2503.59	87.09	-20.53
84	11	210.00	-384.63	10.01	4.06	-2271.85	-23.81	4.52
84	11	235.00	-387.87	10.01	4.06	-2271.85	-22.35	-11.85
84	11	260.00	-368.71	-22.03	4.08	-2145.01	65.14	-16.20
84	12	210.00	-477.17	19.21	6.30	-3047.40	-43.95	7.08
84	12	235.00	-481.98	19.21	6.30	-3047.40	-42.07	-20.66
84	12	260.00	-459.59	-22.90	6.31	-2694.38	94.66	-20.94
84	13	210.00	-352.28	9.15	3.63	-2081.13	-21.58	3.98
84	13	235.00	-355.29	9.15	3.63	-2081.13	-20.26	-10.85
84	13	260.00	-336.06	-20.29	3.64	-1954.26	57.52	-15.79
84	14	210.00	-444.81	18.35	5.87	-2856.68	-41.73	6.54
84	14	235.00	-449.40	18.35	5.87	-2856.68	-39.97	-19.65
84	14	260.00	-426.94	-21.16	5.87	-2503.63	87.04	-20.52
84	15	210.00	-384.63	10.01	4.06	-2271.83	-23.77	4.54
84	15	235.00	-387.87	10.01	4.06	-2271.83	-22.32	-11.85
84	15	260.00	-368.71	-22.03	4.07	-2145.04	65.09	-16.20
84	16	210.00	-477.17	19.21	6.29	-3047.39	-43.92	7.10
84	16	235.00	-481.98	19.21	6.29	-3047.39	-42.03	-20.66
84	16	260.00	-459.60	-22.90	6.31	-2694.41	94.62	-20.94
...								
84	203	260.00	-305.14	-15.97	3.96	-1785.50	59.58	-14.65
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-481.98	-41.36	-17.90	-3047.41	-267.83	-90.27
			-195.72	39.34	26.87	-1136.35	303.36	61.41

Macro	Tipo	Angolo 1-Z (gradi)
85	**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
85	1	210.00	-247.44	39.87	14.80	-1792.95	-140.49	74.23
85	1	235.00	-251.45	39.87	14.80	-1792.95	-137.92	-61.07
85	1	260.00	-207.72	17.43	15.03	-1380.26	217.09	29.03
85	2	210.00	-334.69	60.64	21.99	-2567.75	-206.11	88.60
85	2	235.00	-340.58	60.64	21.99	-2567.75	-202.38	-76.57
85	2	260.00	-284.83	29.21	22.28	-1903.92	316.03	23.65
85	3	210.00	-268.16	41.87	15.00	-1937.93	-139.87	77.01
85	3	235.00	-272.42	41.87	15.00	-1937.93	-137.01	-60.84
85	3	260.00	-227.70	17.63	15.25	-1512.85	222.15	24.97
85	4	210.00	-355.41	62.65	22.19	-2712.72	-205.49	91.37
85	4	235.00	-361.54	62.65	22.19	-2712.72	-201.48	-76.34
85	4	260.00	-304.82	29.42	22.50	-2036.51	321.09	19.59
85	5	210.00	-247.67	39.95	14.79	-1794.97	-140.47	74.24
85	5	235.00	-251.68	39.95	14.79	-1794.97	-137.90	-61.07
85	5	260.00	-207.86	17.53	15.03	-1381.73	217.06	29.04
85	6	210.00	-334.92	60.73	21.99	-2569.77	-206.09	88.60
85	6	235.00	-340.80	60.73	21.99	-2569.77	-202.36	-76.57
85	6	260.00	-284.97	29.31	22.28	-1905.40	315.99	23.65
85	7	210.00	-268.38	41.96	15.00	-1939.94	-139.85	77.01
85	7	235.00	-272.65	41.96	15.00	-1939.94	-136.99	-60.84
85	7	260.00	-227.84	17.73	15.25	-1514.32	222.11	24.98
85	8	210.00	-355.63	62.74	22.19	-2714.74	-205.47	91.37
85	8	235.00	-361.77	62.74	22.19	-2714.74	-201.46	-76.34
85	8	260.00	-304.96	29.52	22.50	-2037.98	321.05	19.59
85	9	210.00	-299.24	44.89	15.30	-2155.38	-138.94	81.16
85	9	235.00	-303.87	44.89	15.30	-2155.38	-135.65	-60.50
85	9	260.00	-257.68	17.95	15.58	-1711.72	229.73	18.88
85	10	210.00	-386.49	65.66	22.49	-2930.18	-204.56	95.53
85	10	235.00	-393.00	65.66	22.49	-2930.18	-200.12	-75.99
85	10	260.00	-334.79	29.73	22.83	-2235.39	328.67	13.50
85	11	210.00	-319.96	46.90	15.50	-2300.35	-138.32	83.94
85	11	235.00	-324.84	46.90	15.50	-2300.35	-134.74	-60.27
85	11	260.00	-277.67	18.16	15.80	-1844.31	234.79	14.82
85	12	210.00	-407.20	67.67	22.70	-3075.15	-203.94	98.30

85	12	235.00	-413.97	67.67	22.70	-3075.15	-199.21	-75.76
85	12	260.00	-354.78	29.94	23.05	-2367.97	333.73	9.44
85	13	210.00	-299.46	44.98	15.30	-2157.40	-138.92	81.17
85	13	235.00	-304.10	44.98	15.30	-2157.40	-135.63	-60.50
85	13	260.00	-257.82	18.05	15.57	-1713.20	229.70	18.89
85	14	210.00	-386.71	65.75	22.49	-2932.20	-204.54	95.53
85	14	235.00	-393.23	65.75	22.49	-2932.20	-200.09	-75.99
85	14	260.00	-334.93	29.83	22.82	-2236.86	328.64	13.50
85	15	210.00	-320.18	46.99	15.50	-2302.37	-138.30	83.94
85	15	235.00	-325.07	46.99	15.50	-2302.37	-134.72	-60.26
85	15	260.00	-277.81	18.26	15.79	-1845.78	234.76	14.83
85	16	210.00	-407.43	67.76	22.69	-3077.17	-203.91	98.30
85	16	235.00	-414.19	67.76	22.69	-3077.17	-199.19	-75.76
85	16	260.00	-354.92	30.04	23.04	-2369.44	333.70	9.44
...								
85	203	260.00	-238.27	20.12	15.84	-1589.08	229.19	11.88
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-414.27	-11.54	2.20	-3077.84	-276.67	-115.85
			-159.72	79.05	29.80	-1061.08	376.47	98.31

Macro	Tipo	Angolo 1-Z (gradi)
86	**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
86	1	262.00	-82.71	31.77	-11.29	-555.39	154.28	-80.94
86	1	287.00	-84.24	31.77	-11.29	-555.39	151.56	26.56
86	1	312.00	-47.32	29.41	-10.80	-144.95	-104.72	32.34
86	2	262.00	-97.83	46.69	-16.16	-824.03	225.87	-91.38
86	2	287.00	-100.04	46.69	-16.16	-824.03	223.11	38.28
86	2	312.00	-54.97	43.34	-15.56	-217.00	-141.69	41.03
86	3	262.00	-100.46	36.02	-12.96	-640.99	157.93	-80.64
86	3	287.00	-102.20	36.02	-12.96	-640.99	154.84	31.14
86	3	312.00	-63.90	33.30	-12.56	-170.72	-140.65	27.88
86	4	262.00	-115.57	50.94	-17.84	-909.63	229.52	-91.08
86	4	287.00	-117.99	50.94	-17.84	-909.63	226.39	42.85
86	4	312.00	-71.55	47.23	-17.31	-242.78	-177.63	36.57
86	5	262.00	-82.79	31.83	-11.28	-555.87	154.24	-80.95
86	5	287.00	-84.32	31.83	-11.28	-555.87	151.51	26.55
86	5	312.00	-47.34	29.48	-10.80	-145.12	-104.67	32.33
86	6	262.00	-97.90	46.75	-16.16	-824.51	225.83	-91.38
86	6	287.00	-100.11	46.75	-16.16	-824.51	223.06	38.27
86	6	312.00	-54.99	43.41	-15.56	-217.18	-141.64	41.02
86	7	262.00	-100.53	36.08	-12.96	-641.47	157.89	-80.65
86	7	287.00	-102.27	36.08	-12.96	-641.47	154.80	31.13
86	7	312.00	-63.93	33.37	-12.55	-170.90	-140.60	27.87
86	8	262.00	-115.64	51.00	-17.83	-910.11	229.48	-91.08
86	8	287.00	-118.06	51.00	-17.83	-910.11	226.35	42.85
86	8	312.00	-71.58	47.30	-17.31	-242.95	-177.58	36.56
86	9	262.00	-127.07	42.40	-15.48	-769.39	163.41	-80.19
86	9	287.00	-129.13	42.40	-15.48	-769.39	159.77	38.01
86	9	312.00	-88.79	39.14	-15.18	-209.38	-194.55	21.19
86	10	262.00	-142.18	57.32	-20.35	-1038.03	235.00	-90.63
86	10	287.00	-144.93	57.32	-20.35	-1038.03	231.32	49.72
86	10	312.00	-96.44	53.07	-19.94	-281.44	-231.53	29.89
86	11	262.00	-144.81	46.64	-17.15	-854.99	167.07	-79.89
86	11	287.00	-147.09	46.64	-17.15	-854.99	163.06	42.58
86	11	312.00	-105.38	43.03	-16.93	-235.16	-230.49	16.73
86	12	262.00	-159.92	61.57	-22.02	-1123.63	238.66	-90.33
86	12	287.00	-162.88	61.57	-22.02	-1123.63	234.61	54.30
86	12	312.00	-113.03	56.96	-21.69	-307.21	-267.46	25.43
86	13	262.00	-127.14	42.45	-15.47	-769.87	163.37	-80.20
86	13	287.00	-129.20	42.45	-15.47	-769.87	159.73	38.00
86	13	312.00	-88.81	39.21	-15.18	-209.56	-194.50	21.18
86	14	262.00	-142.25	57.37	-20.35	-1038.51	234.96	-90.64
86	14	287.00	-145.00	57.37	-20.35	-1038.51	231.28	49.71
86	14	312.00	-96.46	53.14	-19.93	-281.62	-231.48	29.88
86	15	262.00	-144.88	46.70	-17.15	-855.47	167.02	-79.90
86	15	287.00	-147.16	46.70	-17.15	-855.47	163.02	42.58
86	15	312.00	-105.40	43.10	-16.93	-235.33	-230.44	16.72
86	16	262.00	-159.99	61.62	-22.02	-1124.11	238.61	-90.34
86	16	287.00	-162.95	61.62	-22.02	-1124.11	234.57	54.29
86	16	312.00	-113.05	57.03	-21.69	-307.39	-267.41	25.42
...								
86	203	312.00	-71.45	37.34	-14.12	-198.11	-167.33	21.19
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-162.98	22.59	-27.13	-1124.27	-297.11	-91.39
			-36.39	61.64	-2.51	-111.42	281.04	92.68

Macro	Tipo	Angolo 1-Z (gradi)
87	**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
87	1	262.00	-66.56	-32.62	-1.98	106.54	20.01	17.85
87	1	287.00	-67.20	-32.62	-1.98	106.54	20.17	32.00
87	1	312.00	-47.59	-33.76	-1.70	-171.11	-36.16	0.39
87	2	262.00	-52.84	-49.70	-3.43	309.31	37.40	28.43
87	2	287.00	-54.25	-49.70	-3.43	309.31	37.79	55.34
87	2	312.00	-40.73	-51.59	-3.41	-121.06	-65.98	-1.42
87	3	262.00	-87.27	-39.72	-1.90	40.17	18.76	19.39
87	3	287.00	-88.13	-39.72	-1.90	40.17	18.84	32.86
87	3	312.00	-71.82	-40.36	-1.51	-317.94	-34.18	2.74
87	4	262.00	-73.55	-56.80	-3.35	242.95	36.14	29.97
87	4	287.00	-75.18	-56.80	-3.35	242.94	36.47	56.20
87	4	312.00	-64.96	-58.20	-3.22	-267.89	-64.00	0.93
87	5	262.00	-66.55	-32.62	-1.97	106.39	19.86	17.80
87	5	287.00	-67.19	-32.62	-1.97	106.39	20.01	31.94
87	5	312.00	-47.58	-33.76	-1.69	-171.12	-36.03	0.35
87	6	262.00	-52.83	-49.71	-3.42	309.17	37.24	28.38
87	6	287.00	-54.24	-49.71	-3.42	309.17	37.64	55.28
87	6	312.00	-40.73	-51.60	-3.40	-121.08	-65.84	-1.47
87	7	262.00	-87.26	-39.72	-1.89	40.03	18.61	19.34
87	7	287.00	-88.12	-39.72	-1.89	40.03	18.69	32.80
87	7	312.00	-71.82	-40.37	-1.50	-317.95	-34.05	2.70
87	8	262.00	-73.54	-56.81	-3.34	242.80	35.99	29.92
87	8	287.00	-75.17	-56.81	-3.34	242.80	36.32	56.14
87	8	312.00	-64.96	-58.20	-3.21	-267.90	-63.86	0.88
87	9	262.00	-118.34	-50.37	-1.79	-59.38	16.88	21.71
87	9	287.00	-119.52	-50.37	-1.79	-59.38	16.86	34.15
87	9	312.00	-108.16	-50.27	-1.22	-538.18	-31.21	6.26
87	10	262.00	-104.62	-67.45	-3.23	143.39	34.27	32.29
87	10	287.00	-106.57	-67.45	-3.23	143.39	34.48	57.49
87	10	312.00	-101.31	-68.11	-2.94	-488.13	-61.03	4.45
87	11	262.00	-139.06	-57.47	-1.71	-125.75	15.63	23.25
87	11	287.00	-140.45	-57.47	-1.71	-125.75	15.53	35.01
87	11	312.00	-132.40	-56.88	-1.03	-685.01	-29.23	8.61
87	12	262.00	-125.33	-74.55	-3.16	77.02	33.02	33.83
87	12	287.00	-127.50	-74.55	-3.16	77.02	33.16	58.35
87	12	312.00	-125.54	-74.72	-2.75	-634.96	-59.05	6.80
87	13	262.00	-118.33	-50.37	-1.78	-59.53	16.73	21.65
87	13	287.00	-119.51	-50.37	-1.78	-59.53	16.70	34.10
87	13	312.00	-108.16	-50.28	-1.21	-538.20	-31.07	6.22
87	14	262.00	-104.61	-67.46	-3.22	143.24	34.11	32.23
87	14	287.00	-106.56	-67.46	-3.22	143.24	34.33	57.43
87	14	312.00	-101.31	-68.12	-2.93	-488.15	-60.89	4.40
87	15	262.00	-139.05	-57.47	-1.70	-125.90	15.48	23.20
87	15	287.00	-140.44	-57.47	-1.70	-125.90	15.38	34.96
87	15	312.00	-132.40	-56.89	-1.02	-685.03	-29.09	8.57
87	16	262.00	-125.32	-74.56	-3.15	76.87	32.86	33.78
87	16	287.00	-127.49	-74.56	-3.15	76.87	33.01	58.29
87	16	312.00	-125.54	-74.72	-2.74	-634.98	-58.91	6.75
...								
87	203	312.00	-78.18	-47.81	-1.86	-379.02	-39.97	3.70
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-140.46	-74.72	-14.18	-685.03	-198.55	-103.81
			-29.75	-25.09	9.07	309.36	174.70	188.81

Macro	Tipo	Angolo 1-Z (gradi)
88	**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
88	1	262.00	-69.45	7.54	-3.62	-249.10	30.49	5.95
88	1	287.00	-70.72	7.54	-3.62	-249.10	30.42	16.52
88	1	312.00	-52.40	0.29	-3.77	-7.16	-51.75	-2.59
88	2	262.00	-64.73	13.05	-6.59	-458.67	58.13	6.80
88	2	287.00	-67.09	13.05	-6.59	-458.67	57.83	27.27
88	2	312.00	-47.71	0.56	-6.75	-47.09	-90.71	-2.83
88	3	262.00	-103.86	12.16	-3.61	-368.40	31.83	4.73
88	3	287.00	-105.31	12.16	-3.61	-368.40	31.74	17.11
88	3	312.00	-87.23	3.55	-3.75	-42.18	-49.95	-0.93
88	4	262.00	-99.13	17.68	-6.57	-577.97	59.46	5.57
88	4	287.00	-101.67	17.68	-6.57	-577.97	59.15	27.87

88	4	312.00	-82.54	3.82	-6.73	-82.12	-88.91	-1.16
88	5	262.00	-69.45	7.54	-3.62	-249.07	30.42	5.94
88	5	287.00	-70.73	7.54	-3.62	-249.07	30.35	16.51
88	5	312.00	-52.40	0.28	-3.76	-7.16	-51.68	-2.60
88	6	262.00	-64.73	13.05	-6.58	-458.65	58.06	6.79
88	6	287.00	-67.09	13.05	-6.58	-458.65	57.76	27.27
88	6	312.00	-47.71	0.56	-6.74	-47.09	-90.64	-2.84
88	7	262.00	-103.86	12.16	-3.60	-368.37	31.76	4.72
88	7	287.00	-105.31	12.16	-3.60	-368.37	31.67	17.11
88	7	312.00	-87.23	3.55	-3.75	-42.19	-49.87	-0.93
88	8	262.00	-99.13	17.68	-6.56	-577.95	59.39	5.56
88	8	287.00	-101.68	17.68	-6.56	-577.95	59.08	27.87
88	8	312.00	-82.54	3.82	-6.73	-82.12	-88.84	-1.17
88	9	262.00	-155.47	19.10	-3.59	-547.35	33.82	2.89
88	9	287.00	-157.19	19.10	-3.59	-547.35	33.71	18.01
88	9	312.00	-139.48	8.44	-3.73	-94.73	-47.24	1.57
88	10	262.00	-150.74	24.62	-6.55	-756.92	61.46	3.73
88	10	287.00	-153.55	24.62	-6.55	-756.92	61.13	28.77
88	10	312.00	-134.79	8.72	-6.71	-134.66	-86.20	1.34
88	11	262.00	-189.88	23.73	-3.57	-666.65	35.16	1.66
88	11	287.00	-191.77	23.73	-3.57	-666.65	35.03	18.61
88	11	312.00	-174.31	11.70	-3.71	-129.76	-45.43	3.24
88	12	262.00	-185.15	29.25	-6.53	-876.22	62.79	2.50
88	12	287.00	-188.13	29.25	-6.53	-876.22	62.45	29.37
88	12	312.00	-169.62	11.98	-6.69	-169.69	-84.39	3.00
88	13	262.00	-155.47	19.10	-3.58	-547.32	33.76	2.88
88	13	287.00	-157.19	19.10	-3.58	-547.32	33.65	18.00
88	13	312.00	-139.48	8.44	-3.72	-94.73	-47.17	1.57
88	14	262.00	-150.75	24.62	-6.54	-756.90	61.39	3.72
88	14	287.00	-153.55	24.62	-6.54	-756.90	61.06	28.76
88	14	312.00	-134.79	8.72	-6.70	-134.66	-86.13	1.33
88	15	262.00	-189.88	23.73	-3.57	-666.62	35.09	1.65
88	15	287.00	-191.77	23.73	-3.57	-666.62	34.96	18.60
88	15	312.00	-174.31	11.70	-3.71	-129.76	-45.36	3.23
88	16	262.00	-185.15	29.25	-6.53	-876.20	62.72	2.49
88	16	287.00	-188.14	29.25	-6.53	-876.20	62.38	29.36
88	16	312.00	-169.62	11.98	-6.69	-169.69	-84.32	2.99
...								
88	203	312.00	-102.83	6.46	-4.46	-92.19	-57.19	0.99
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-191.77	-4.13	-24.84	-876.23	-272.99	-48.80
			-35.62	29.25	15.10	-5.50	253.42	90.72

Macro	Tipo	Angolo 1-Z (gradi)
92	**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
92	1	262.00	-313.78	0.0	-3.05	0.0	31.49	0.0
92	1	287.00	-342.12	0.0	-3.05	0.0	33.68	0.0
92	1	312.00	-178.46	0.0	-3.30	0.0	-46.41	0.0
92	2	262.00	-345.42	0.0	-7.88	0.0	74.55	0.0
92	2	287.00	-393.82	0.0	-7.88	0.0	77.79	0.0
92	2	312.00	-204.12	0.0	-3.43	0.0	-64.28	0.0
92	3	262.00	-367.99	0.0	-4.28	0.0	37.62	0.0
92	3	287.00	-398.19	0.0	-4.28	0.0	40.08	0.0
92	3	312.00	-223.75	0.0	-4.37	0.0	-69.02	0.0
92	4	262.00	-399.63	0.0	-9.11	0.0	80.68	0.0
92	4	287.00	-449.89	0.0	-9.11	0.0	84.19	0.0
92	4	312.00	-249.40	0.0	-4.50	0.0	-86.89	0.0
92	5	262.00	-313.92	0.0	-3.05	0.0	31.53	0.0
92	5	287.00	-342.15	0.0	-3.05	0.0	33.71	0.0
92	5	312.00	-178.42	0.0	-3.30	0.0	-46.44	0.0
92	6	262.00	-345.56	0.0	-7.89	0.0	74.58	0.0
92	6	287.00	-393.84	0.0	-7.89	0.0	77.82	0.0
92	6	312.00	-204.08	0.0	-3.43	0.0	-64.31	0.0
92	7	262.00	-368.13	0.0	-4.28	0.0	37.66	0.0
92	7	287.00	-398.22	0.0	-4.28	0.0	40.11	0.0
92	7	312.00	-223.71	0.0	-4.37	0.0	-69.06	0.0
92	8	262.00	-399.77	0.0	-9.12	0.0	80.71	0.0
92	8	287.00	-449.92	0.0	-9.12	0.0	84.22	0.0
92	8	312.00	-249.37	0.0	-4.50	0.0	-86.92	0.0
92	9	262.00	-449.31	0.0	-6.12	0.0	46.82	0.0
92	9	287.00	-482.31	0.0	-6.12	0.0	49.68	0.0
92	9	312.00	-291.68	0.0	-5.98	0.0	-102.94	0.0
92	10	262.00	-480.95	0.0	-10.96	0.0	89.87	0.0
92	10	287.00	-534.00	0.0	-10.96	0.0	93.79	0.0
92	10	312.00	-317.34	0.0	-6.11	0.0	-120.81	0.0
92	11	262.00	-503.52	0.0	-7.35	0.0	52.95	0.0
92	11	287.00	-538.38	0.0	-7.35	0.0	56.08	0.0

92	11	312.00	-336.97	0.0	-7.05	0.0	-125.56	0.0
92	12	262.00	-535.16	0.0	-12.19	0.0	96.00	0.0
92	12	287.00	-590.08	0.0	-12.19	0.0	100.19	0.0
92	12	312.00	-362.63	0.0	-7.18	0.0	-143.42	0.0
92	13	262.00	-449.45	0.0	-6.13	0.0	46.85	0.0
92	13	287.00	-482.33	0.0	-6.13	0.0	49.71	0.0
92	13	312.00	-291.64	0.0	-5.98	0.0	-102.98	0.0
92	14	262.00	-481.09	0.0	-10.96	0.0	89.91	0.0
92	14	287.00	-534.03	0.0	-10.96	0.0	93.82	0.0
92	14	312.00	-317.30	0.0	-6.11	0.0	-120.84	0.0
92	15	262.00	-503.66	0.0	-7.36	0.0	52.99	0.0
92	15	287.00	-538.41	0.0	-7.36	0.0	56.11	0.0
92	15	312.00	-336.93	0.0	-7.05	0.0	-125.59	0.0
92	16	262.00	-535.30	0.0	-12.20	0.0	96.04	0.0
92	16	287.00	-590.11	0.0	-12.20	0.0	100.22	0.0
92	16	312.00	-362.59	0.0	-7.18	0.0	-143.45	0.0
...								
92	203	312.00	-235.48	0.0	-4.61	0.0	-87.45	0.0
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-590.12	-70.37	-12.20	-3345.25	-143.46	-429.72
			-137.23	70.37	-2.34	3345.25	100.23	429.72

Macro	Tipo	Angolo 1-Z (gradi)
93	**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
93	1	262.00	-54.27	3.09	-2.76	217.32	24.94	35.32
93	1	287.00	-56.13	3.09	-2.76	217.32	25.25	50.18
93	1	312.00	-32.26	15.01	-4.39	-78.91	-81.49	-20.66
93	2	262.00	-53.60	7.57	-5.64	371.62	74.77	26.20
93	2	287.00	-56.33	7.57	-5.64	371.62	74.66	78.25
93	2	312.00	-33.00	24.52	-6.90	-69.47	-111.00	-8.00
93	3	262.00	-64.17	1.94	-3.48	205.82	22.48	48.21
93	3	287.00	-66.29	1.94	-3.48	205.82	23.23	62.00
93	3	312.00	-43.52	15.43	-5.62	-139.87	-111.62	-41.12
93	4	262.00	-63.51	6.42	-6.37	360.12	72.30	39.09
93	4	287.00	-66.49	6.42	-6.37	360.12	72.64	90.06
93	4	312.00	-44.26	24.93	-8.13	-130.42	-141.14	-28.46
93	5	262.00	-54.15	3.14	-2.75	215.94	24.88	35.27
93	5	287.00	-56.01	3.14	-2.75	215.94	25.19	50.11
93	5	312.00	-32.22	15.08	-4.38	-79.38	-81.42	-20.69
93	6	262.00	-53.48	7.62	-5.64	370.24	74.70	26.15
93	6	287.00	-56.21	7.62	-5.64	370.24	74.60	78.17
93	6	312.00	-32.96	24.59	-6.89	-69.93	-110.94	-8.03
93	7	262.00	-64.05	1.99	-3.48	204.44	22.41	48.16
93	7	287.00	-66.17	1.99	-3.48	204.44	23.16	61.92
93	7	312.00	-43.48	15.50	-5.61	-140.33	-111.56	-41.16
93	8	262.00	-63.38	6.47	-6.37	358.74	72.23	39.04
93	8	287.00	-66.37	6.47	-6.37	358.74	72.57	89.99
93	8	312.00	-44.22	25.00	-8.12	-130.88	-141.07	-28.49
93	9	262.00	-79.03	0.22	-4.58	188.58	18.78	67.55
93	9	287.00	-81.53	0.22	-4.58	188.58	20.19	79.71
93	9	312.00	-60.41	16.06	-7.46	-231.29	-156.83	-71.82
93	10	262.00	-78.36	4.70	-7.46	342.88	68.60	58.43
93	10	287.00	-81.72	4.70	-7.46	342.88	69.60	107.77
93	10	312.00	-61.15	25.56	-9.97	-221.85	-186.34	-59.16
93	11	262.00	-88.93	-0.92	-5.30	177.08	16.31	80.44
93	11	287.00	-91.68	-0.92	-5.30	177.08	18.16	91.52
93	11	312.00	-71.66	16.47	-8.69	-292.25	-186.96	-92.28
93	12	262.00	-88.26	3.56	-8.19	331.38	66.13	71.32
93	12	287.00	-91.88	3.56	-8.19	331.38	67.57	119.58
93	12	312.00	-72.41	25.97	-11.20	-282.80	-216.48	-79.62
93	13	262.00	-78.90	0.27	-4.57	187.19	18.71	67.50
93	13	287.00	-81.41	0.27	-4.57	187.19	20.12	79.64
93	13	312.00	-60.36	16.13	-7.46	-231.76	-156.76	-71.85
93	14	262.00	-78.24	4.75	-7.46	341.49	68.53	58.38
93	14	287.00	-81.60	4.75	-7.46	341.49	69.53	107.70
93	14	312.00	-61.10	25.63	-9.97	-222.31	-186.28	-59.19
93	15	262.00	-88.81	-0.87	-5.30	175.70	16.24	80.39
93	15	287.00	-91.56	-0.87	-5.30	175.70	18.09	91.45
93	15	312.00	-71.62	16.54	-8.69	-292.71	-186.90	-92.32
93	16	262.00	-88.14	3.61	-8.18	330.00	66.06	71.27
93	16	287.00	-91.76	3.61	-8.18	330.00	67.50	119.51
93	16	312.00	-72.36	26.04	-11.20	-283.26	-216.41	-79.65
...								
93	203	312.00	-46.21	17.42	-7.01	-169.62	-134.65	-47.35
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-91.92	-14.76	-11.20	-292.86	-227.91	-92.33
			-24.76	35.61	0.38	378.59	111.28	198.61

Macro	Tipo	Angolo 1-Z (gradi)
95	**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
95	1	262.00	-54.27	3.09	2.76	217.32	-24.94	-35.32
95	1	287.00	-56.13	3.09	2.76	217.32	-25.25	-50.18
95	1	312.00	-32.26	15.01	4.39	-78.91	81.49	20.66
95	2	262.00	-53.60	7.57	5.64	371.62	-74.77	-26.20
95	2	287.00	-56.33	7.57	5.64	371.62	-74.66	-78.25
95	2	312.00	-33.00	24.52	6.90	-69.47	111.00	8.00
95	3	262.00	-64.17	1.94	3.48	205.82	-22.48	-48.21
95	3	287.00	-66.29	1.94	3.48	205.82	-23.23	-62.00
95	3	312.00	-43.52	15.43	5.62	-139.87	111.62	41.12
95	4	262.00	-63.51	6.42	6.37	360.12	-72.30	-39.09
95	4	287.00	-66.49	6.42	6.37	360.12	-72.64	-90.06
95	4	312.00	-44.26	24.93	8.13	-130.42	141.14	28.46
95	5	262.00	-54.15	3.14	2.75	215.94	-24.88	-35.27
95	5	287.00	-56.01	3.14	2.75	215.94	-25.19	-50.11
95	5	312.00	-32.22	15.08	4.38	-79.38	81.42	20.69
95	6	262.00	-53.48	7.62	5.64	370.24	-74.70	-26.15
95	6	287.00	-56.21	7.62	5.64	370.24	-74.60	-78.17
95	6	312.00	-32.96	24.59	6.89	-69.93	110.94	8.03
95	7	262.00	-64.05	1.99	3.48	204.44	-22.41	-48.16
95	7	287.00	-66.17	1.99	3.48	204.44	-23.16	-61.92
95	7	312.00	-43.48	15.50	5.61	-140.33	111.56	41.16
95	8	262.00	-63.38	6.47	6.37	358.74	-72.23	-39.04
95	8	287.00	-66.37	6.47	6.37	358.74	-72.57	-89.99
95	8	312.00	-44.22	25.00	8.12	-130.88	141.07	28.49
95	9	262.00	-79.03	0.22	4.58	188.58	-18.78	-67.55
95	9	287.00	-81.53	0.22	4.58	188.58	-20.19	-79.71
95	9	312.00	-60.41	16.06	7.46	-231.29	156.83	71.82
95	10	262.00	-78.36	4.70	7.46	342.88	-68.60	-58.43
95	10	287.00	-81.72	4.70	7.46	342.88	-69.60	-107.77
95	10	312.00	-61.15	25.56	9.97	-221.85	186.34	59.16
95	11	262.00	-88.93	-0.92	5.30	177.08	-16.31	-80.44
95	11	287.00	-91.68	-0.92	5.30	177.08	-18.16	-91.52
95	11	312.00	-71.66	16.47	8.69	-292.25	186.96	92.28
95	12	262.00	-88.26	3.56	8.19	331.38	-66.13	-71.32
95	12	287.00	-91.88	3.56	8.19	331.38	-67.57	-119.58
95	12	312.00	-72.41	25.97	11.20	-282.80	216.48	79.62
95	13	262.00	-78.90	0.27	4.57	187.19	-18.71	-67.50
95	13	287.00	-81.41	0.27	4.57	187.19	-20.12	-79.64
95	13	312.00	-60.36	16.13	7.46	-231.76	156.76	71.85
95	14	262.00	-78.24	4.75	7.46	341.49	-68.53	-58.38
95	14	287.00	-81.60	4.75	7.46	341.49	-69.53	-107.70
95	14	312.00	-61.10	25.63	9.97	-222.31	186.28	59.19
95	15	262.00	-88.81	-0.87	5.30	175.70	-16.24	-80.39
95	15	287.00	-91.56	-0.87	5.30	175.70	-18.09	-91.45
95	15	312.00	-71.62	16.54	8.69	-292.71	186.90	92.32
95	16	262.00	-88.14	3.61	8.18	330.00	-66.06	-71.27
95	16	287.00	-91.76	3.61	8.18	330.00	-67.50	-119.51
95	16	312.00	-72.36	26.04	11.20	-283.26	216.41	79.65
...								
95	203	312.00	-46.21	17.42	7.01	-169.62	134.65	47.35
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-91.92	-14.76	-0.38	-292.86	-111.28	-198.61
			-24.76	35.61	11.20	378.59	227.91	92.33

Macro	Tipo	Angolo 1-Z (gradi)
96	**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
96	1	262.00	-72.61	-20.37	-0.30	109.79	3.69	5.30
96	1	287.00	-73.54	-20.37	-0.30	109.79	3.72	8.75
96	1	312.00	-50.17	-17.97	-0.28	-184.10	-6.23	2.97
96	2	262.00	-63.64	-32.07	-0.63	319.10	8.23	7.80
96	2	287.00	-65.44	-32.07	-0.63	319.10	8.24	14.91
96	2	312.00	-45.94	-28.24	-0.54	-149.04	-11.05	5.44
96	3	262.00	-93.32	-25.48	-0.29	42.38	3.07	6.42
96	3	287.00	-94.47	-25.48	-0.29	42.38	3.13	9.51

96	3	312.00	-73.82	-22.39	-0.29	-326.11	-7.07	2.51
96	4	262.00	-84.34	-37.18	-0.62	251.69	7.61	8.92
96	4	287.00	-86.37	-37.18	-0.62	251.69	7.65	15.67
96	4	312.00	-69.58	-32.67	-0.55	-291.06	-11.89	4.98
96	5	262.00	-72.70	-20.42	-0.30	110.66	3.61	5.27
96	5	287.00	-73.62	-20.42	-0.30	110.66	3.64	8.72
96	5	312.00	-50.21	-18.04	-0.27	-183.73	-6.16	2.94
96	6	262.00	-63.72	-32.12	-0.62	319.97	8.15	7.78
96	6	287.00	-65.52	-32.12	-0.62	319.97	8.16	14.88
96	6	312.00	-45.97	-28.31	-0.53	-148.67	-10.99	5.41
96	7	262.00	-93.40	-25.53	-0.29	43.24	2.99	6.40
96	7	287.00	-94.56	-25.53	-0.29	43.24	3.05	9.48
96	7	312.00	-73.85	-22.46	-0.28	-325.74	-7.00	2.49
96	8	262.00	-84.43	-37.23	-0.61	252.55	7.53	8.90
96	8	287.00	-86.46	-37.23	-0.61	252.55	7.57	15.64
96	8	312.00	-69.62	-32.73	-0.55	-290.69	-11.83	4.96
96	9	262.00	-124.38	-33.16	-0.28	-58.74	2.13	8.11
96	9	287.00	-125.88	-33.16	-0.28	-58.74	2.24	10.65
96	9	312.00	-109.28	-29.02	-0.31	-539.14	-8.33	1.82
96	10	262.00	-115.41	-44.86	-0.61	150.56	6.67	10.61
96	10	287.00	-117.78	-44.86	-0.61	150.56	6.76	16.81
96	10	312.00	-105.05	-39.30	-0.57	-504.08	-13.16	4.29
96	11	262.00	-145.09	-38.28	-0.27	-126.16	1.51	9.24
96	11	287.00	-146.81	-38.28	-0.27	-126.16	1.65	11.41
96	11	312.00	-132.93	-33.45	-0.32	-681.16	-9.17	1.36
96	12	262.00	-136.12	-49.98	-0.60	83.15	6.05	11.74
96	12	287.00	-138.71	-49.98	-0.60	83.15	6.17	17.57
96	12	312.00	-128.69	-43.72	-0.58	-646.10	-14.00	3.83
96	13	262.00	-124.47	-33.21	-0.28	-57.88	2.06	8.09
96	13	287.00	-125.96	-33.21	-0.28	-57.88	2.17	10.62
96	13	312.00	-109.32	-29.09	-0.30	-538.77	-8.26	1.80
96	14	262.00	-115.49	-44.91	-0.60	151.43	6.60	10.59
96	14	287.00	-117.86	-44.91	-0.60	151.43	6.69	16.78
96	14	312.00	-105.09	-39.37	-0.57	-503.71	-13.09	4.27
96	15	262.00	-145.18	-38.33	-0.27	-125.30	1.44	9.21
96	15	287.00	-146.90	-38.33	-0.27	-125.30	1.58	11.38
96	15	312.00	-132.97	-33.51	-0.32	-680.79	-9.10	1.34
96	16	262.00	-136.20	-50.02	-0.59	84.01	5.97	11.71
96	16	287.00	-138.80	-50.02	-0.59	84.01	6.10	17.54
96	16	312.00	-128.73	-43.79	-0.58	-645.73	-13.93	3.81
...								
96	203	312.00	-80.49	-27.58	-0.37	-387.87	-8.91	2.73
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-146.93	-50.04	-13.59	-681.28	-187.26	-146.72
			-34.34	-12.29	12.22	320.25	174.65	172.57

Macro	Tipo	Angolo 1-Z (gradi)
97	**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
97	1	262.00	-80.62	14.14	-0.93	-311.43	10.99	-1.19
97	1	287.00	-81.45	14.14	-0.93	-311.43	10.90	4.68
97	1	312.00	-58.79	8.67	-0.93	-37.34	-9.66	2.65
97	2	262.00	-82.64	23.05	-1.61	-554.13	19.02	-1.23
97	2	287.00	-84.35	23.05	-1.61	-554.13	18.91	7.73
97	2	312.00	-58.67	13.13	-1.61	-88.70	-16.54	4.05
97	3	262.00	-114.41	19.11	-0.99	-424.33	10.81	-0.91
97	3	287.00	-115.35	19.11	-0.99	-424.33	10.71	5.21
97	3	312.00	-92.48	12.66	-1.00	-69.81	-11.23	2.39
97	4	262.00	-116.43	28.02	-1.67	-667.02	18.84	-0.96
97	4	287.00	-118.24	28.02	-1.67	-667.02	18.71	8.26
97	4	312.00	-92.36	17.12	-1.68	-121.16	-18.11	3.79
97	5	262.00	-80.56	14.09	-0.93	-310.89	10.96	-1.19
97	5	287.00	-81.39	14.09	-0.93	-310.89	10.87	4.68
97	5	312.00	-58.77	8.60	-0.93	-37.16	-9.63	2.65
97	6	262.00	-82.58	23.00	-1.61	-553.59	18.99	-1.24
97	6	287.00	-84.28	23.00	-1.61	-553.59	18.88	7.73
97	6	312.00	-58.65	13.06	-1.61	-88.51	-16.51	4.05
97	7	262.00	-114.35	19.05	-0.99	-423.79	10.78	-0.92
97	7	287.00	-115.29	19.05	-0.99	-423.79	10.67	5.20
97	7	312.00	-92.46	12.60	-1.00	-69.62	-11.20	2.39
97	8	262.00	-116.36	27.96	-1.67	-666.48	18.81	-0.96
97	8	287.00	-118.18	27.96	-1.67	-666.48	18.68	8.25
97	8	312.00	-92.34	17.06	-1.67	-120.97	-18.08	3.79
97	9	262.00	-165.09	26.56	-1.08	-593.67	10.54	-0.50
97	9	287.00	-166.20	26.56	-1.08	-593.67	10.41	5.99
97	9	312.00	-143.02	18.66	-1.10	-118.50	-13.58	2.00
97	10	262.00	-167.11	35.46	-1.76	-836.36	18.57	-0.54
97	10	287.00	-169.09	35.46	-1.76	-836.36	18.42	9.04

97	10	312.00	-142.90	23.12	-1.77	-169.85	-20.46	3.41
97	11	262.00	-198.87	31.52	-1.14	-706.56	10.36	-0.22
97	11	287.00	-200.10	31.52	-1.14	-706.56	10.21	6.51
97	11	312.00	-176.71	22.65	-1.16	-150.97	-15.15	1.74
97	12	262.00	-200.89	40.43	-1.82	-949.26	18.39	-0.26
97	12	287.00	-202.99	40.43	-1.82	-949.26	18.22	9.56
97	12	312.00	-176.59	27.12	-1.84	-202.32	-22.03	3.15
97	13	262.00	-165.02	26.50	-1.08	-593.13	10.51	-0.50
97	13	287.00	-166.14	26.50	-1.08	-593.13	10.38	5.99
97	13	312.00	-143.00	18.59	-1.09	-118.32	-13.55	2.00
97	14	262.00	-167.04	35.41	-1.75	-835.82	18.54	-0.55
97	14	287.00	-169.03	35.41	-1.75	-835.82	18.39	9.04
97	14	312.00	-142.88	23.05	-1.77	-169.67	-20.43	3.40
97	15	262.00	-198.81	31.47	-1.14	-706.02	10.33	-0.23
97	15	287.00	-200.03	31.47	-1.14	-706.02	10.18	6.51
97	15	312.00	-176.69	22.59	-1.16	-150.78	-15.11	1.74
97	16	262.00	-200.83	40.38	-1.81	-948.72	18.35	-0.27
97	16	287.00	-202.93	40.38	-1.81	-948.72	18.19	9.56
97	16	312.00	-176.57	27.05	-1.84	-202.13	-21.99	3.14
...								
97	203	312.00	-108.04	16.48	-1.20	-116.64	-14.01	2.30
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-203.01	4.97	-22.94	-949.44	-243.68	-65.88
			-45.08	40.45	20.17	-28.50	237.70	79.31

Macro	Tipo	Angolo 1-Z (gradi)
98	**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
98	1	262.00	-72.61	-20.37	0.30	109.79	-3.69	-5.30
98	1	287.00	-73.54	-20.37	0.30	109.79	-3.72	-8.75
98	1	312.00	-50.17	-17.97	0.28	-184.10	6.23	-2.97
98	2	262.00	-63.64	-32.07	0.63	319.10	-8.23	-7.80
98	2	287.00	-65.44	-32.07	0.63	319.10	-8.24	-14.91
98	2	312.00	-45.94	-28.24	0.54	-149.04	11.05	-5.44
98	3	262.00	-93.32	-25.48	0.29	42.38	-3.07	-6.42
98	3	287.00	-94.47	-25.48	0.29	42.38	-3.13	-9.51
98	3	312.00	-73.82	-22.39	0.29	-326.11	7.07	-2.51
98	4	262.00	-84.34	-37.18	0.62	251.69	-7.61	-8.92
98	4	287.00	-86.37	-37.18	0.62	251.69	-7.65	-15.67
98	4	312.00	-69.58	-32.67	0.55	-291.06	11.89	-4.98
98	5	262.00	-72.70	-20.42	0.30	110.66	-3.61	-5.27
98	5	287.00	-73.62	-20.42	0.30	110.66	-3.64	-8.72
98	5	312.00	-50.21	-18.04	0.27	-183.73	6.16	-2.94
98	6	262.00	-63.72	-32.12	0.62	319.97	-8.15	-7.78
98	6	287.00	-65.52	-32.12	0.62	319.97	-8.16	-14.88
98	6	312.00	-45.97	-28.31	0.53	-148.67	10.99	-5.41
98	7	262.00	-93.40	-25.53	0.29	43.24	-2.99	-6.40
98	7	287.00	-94.56	-25.53	0.29	43.24	-3.05	-9.48
98	7	312.00	-73.85	-22.46	0.28	-325.74	7.00	-2.49
98	8	262.00	-84.43	-37.23	0.61	252.55	-7.53	-8.90
98	8	287.00	-86.46	-37.23	0.61	252.55	-7.57	-15.64
98	8	312.00	-69.62	-32.73	0.55	-290.69	11.83	-4.96
98	9	262.00	-124.38	-33.16	0.28	-58.74	-2.13	-8.11
98	9	287.00	-125.88	-33.16	0.28	-58.74	-2.24	-10.65
98	9	312.00	-109.28	-29.02	0.31	-539.14	8.33	-1.82
98	10	262.00	-115.41	-44.86	0.61	150.56	-6.67	-10.61
98	10	287.00	-117.78	-44.86	0.61	150.56	-6.76	-16.81
98	10	312.00	-105.05	-39.30	0.57	-504.08	13.16	-4.29
98	11	262.00	-145.09	-38.28	0.27	-126.16	-1.51	-9.24
98	11	287.00	-146.81	-38.28	0.27	-126.16	-1.65	-11.41
98	11	312.00	-132.93	-33.45	0.32	-681.16	9.17	-1.36
98	12	262.00	-136.12	-49.98	0.60	83.15	-6.05	-11.74
98	12	287.00	-138.71	-49.98	0.60	83.15	-6.17	-17.57
98	12	312.00	-128.69	-43.72	0.58	-646.10	14.00	-3.83
98	13	262.00	-124.47	-33.21	0.28	-57.88	-2.06	-8.09
98	13	287.00	-125.96	-33.21	0.28	-57.88	-2.17	-10.62
98	13	312.00	-109.32	-29.09	0.30	-538.77	8.26	-1.80
98	14	262.00	-115.49	-44.91	0.60	151.43	-6.60	-10.59
98	14	287.00	-117.86	-44.91	0.60	151.43	-6.69	-16.78
98	14	312.00	-105.09	-39.37	0.57	-503.71	13.09	-4.27
98	15	262.00	-145.18	-38.33	0.27	-125.30	-1.44	-9.21
98	15	287.00	-146.90	-38.33	0.27	-125.30	-1.58	-11.38
98	15	312.00	-132.97	-33.51	0.32	-680.79	9.10	-1.34
98	16	262.00	-136.20	-50.02	0.59	84.01	-5.97	-11.71
98	16	287.00	-138.80	-50.02	0.59	84.01	-6.10	-17.54
98	16	312.00	-128.73	-43.79	0.58	-645.73	13.93	-3.81
...								
98	203	312.00	-80.49	-27.58	0.37	-387.87	8.91	-2.73

M_S	N memb.	V memb.	V orto	M memb.	M orto	T
	-146.93	-50.04	-12.22	-681.28	-174.65	-172.57
	-34.34	-12.29	13.59	320.25	187.26	146.72

Macro	Tipo	Angolo 1-Z (gradi)
99	**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
99	1	262.00	-80.62	14.14	0.93	-311.43	-10.99	1.19
99	1	287.00	-81.45	14.14	0.93	-311.43	-10.90	-4.68
99	1	312.00	-58.79	8.67	0.93	-37.34	9.66	-2.65
99	2	262.00	-82.64	23.05	1.61	-554.13	-19.02	1.23
99	2	287.00	-84.35	23.05	1.61	-554.13	-18.91	-7.73
99	2	312.00	-58.67	13.13	1.61	-88.70	16.54	-4.05
99	3	262.00	-114.41	19.11	0.99	-424.33	-10.81	0.91
99	3	287.00	-115.35	19.11	0.99	-424.33	-10.71	-5.21
99	3	312.00	-92.48	12.66	1.00	-69.81	11.23	-2.39
99	4	262.00	-116.43	28.02	1.67	-667.02	-18.84	0.96
99	4	287.00	-118.24	28.02	1.67	-667.02	-18.71	-8.26
99	4	312.00	-92.36	17.12	1.68	-121.16	18.11	-3.79
99	5	262.00	-80.56	14.09	0.93	-310.89	-10.96	1.19
99	5	287.00	-81.39	14.09	0.93	-310.89	-10.87	-4.68
99	5	312.00	-58.77	8.60	0.93	-37.16	9.63	-2.65
99	6	262.00	-82.58	23.00	1.61	-553.59	-18.99	1.24
99	6	287.00	-84.28	23.00	1.61	-553.59	-18.88	-7.73
99	6	312.00	-58.65	13.06	1.61	-88.51	16.51	-4.05
99	7	262.00	-114.35	19.05	0.99	-423.79	-10.78	0.92
99	7	287.00	-115.29	19.05	0.99	-423.79	-10.67	-5.20
99	7	312.00	-92.46	12.60	1.00	-69.62	11.20	-2.39
99	8	262.00	-116.36	27.96	1.67	-666.48	-18.81	0.96
99	8	287.00	-118.18	27.96	1.67	-666.48	-18.68	-8.25
99	8	312.00	-92.34	17.06	1.67	-120.97	18.08	-3.79
99	9	262.00	-165.09	26.56	1.08	-593.67	-10.54	0.50
99	9	287.00	-166.20	26.56	1.08	-593.67	-10.41	-5.99
99	9	312.00	-143.02	18.66	1.10	-118.50	13.58	-2.00
99	10	262.00	-167.11	35.46	1.76	-836.36	-18.57	0.54
99	10	287.00	-169.09	35.46	1.76	-836.36	-18.42	-9.04
99	10	312.00	-142.90	23.12	1.77	-169.85	20.46	-3.41
99	11	262.00	-198.87	31.52	1.14	-706.56	-10.36	0.22
99	11	287.00	-200.10	31.52	1.14	-706.56	-10.21	-6.51
99	11	312.00	-176.71	22.65	1.16	-150.97	15.15	-1.74
99	12	262.00	-200.89	40.43	1.82	-949.26	-18.39	0.26
99	12	287.00	-202.99	40.43	1.82	-949.26	-18.22	-9.56
99	12	312.00	-176.59	27.12	1.84	-202.32	22.03	-3.15
99	13	262.00	-165.02	26.50	1.08	-593.13	-10.51	0.50
99	13	287.00	-166.14	26.50	1.08	-593.13	-10.38	-5.99
99	13	312.00	-143.00	18.59	1.09	-118.32	13.55	-2.00
99	14	262.00	-167.04	35.41	1.75	-835.82	-18.54	0.55
99	14	287.00	-169.03	35.41	1.75	-835.82	-18.39	-9.04
99	14	312.00	-142.88	23.05	1.77	-169.67	20.43	-3.40
99	15	262.00	-198.81	31.47	1.14	-706.02	-10.33	0.23
99	15	287.00	-200.03	31.47	1.14	-706.02	-10.18	-6.51
99	15	312.00	-176.69	22.59	1.16	-150.78	15.11	-1.74
99	16	262.00	-200.83	40.38	1.81	-948.72	-18.35	0.27
99	16	287.00	-202.93	40.38	1.81	-948.72	-18.19	-9.56
99	16	312.00	-176.57	27.05	1.84	-202.13	21.99	-3.14
...								
99	203	312.00	-108.04	16.48	1.20	-116.64	14.01	-2.30
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-203.01	4.97	-20.17	-949.44	-237.70	-79.31
			-45.08	40.45	22.94	-28.50	243.68	65.88

Macro	Tipo	Angolo 1-Z (gradi)
100	**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
100	1	262.00	-66.56	-32.62	1.98	106.54	-20.01	-17.85
100	1	287.00	-67.20	-32.62	1.98	106.54	-20.17	-32.00
100	1	312.00	-47.59	-33.76	1.70	-171.11	36.16	-0.39
100	2	262.00	-52.84	-49.70	3.43	309.31	-37.40	-28.43
100	2	287.00	-54.25	-49.70	3.43	309.31	-37.79	-55.34

100	2	312.00	-40.73	-51.59	3.41	-121.06	65.98	1.42
100	3	262.00	-87.27	-39.72	1.90	40.17	-18.76	-19.39
100	3	287.00	-88.13	-39.72	1.90	40.17	-18.84	-32.86
100	3	312.00	-71.82	-40.36	1.51	-317.94	34.18	-2.74
100	4	262.00	-73.55	-56.80	3.35	242.95	-36.14	-29.97
100	4	287.00	-75.18	-56.80	3.35	242.94	-36.47	-56.20
100	4	312.00	-64.96	-58.20	3.22	-267.89	64.00	-0.93
100	5	262.00	-66.55	-32.62	1.97	106.39	-19.86	-17.80
100	5	287.00	-67.19	-32.62	1.97	106.39	-20.01	-31.94
100	5	312.00	-47.58	-33.76	1.69	-171.12	36.03	-0.35
100	6	262.00	-52.83	-49.71	3.42	309.17	-37.24	-28.38
100	6	287.00	-54.24	-49.71	3.42	309.17	-37.64	-55.28
100	6	312.00	-40.73	-51.60	3.40	-121.08	65.84	1.47
100	7	262.00	-87.26	-39.72	1.89	40.03	-18.61	-19.34
100	7	287.00	-88.12	-39.72	1.89	40.03	-18.69	-32.80
100	7	312.00	-71.82	-40.37	1.50	-317.95	34.05	-2.70
100	8	262.00	-73.54	-56.81	3.34	242.80	-35.99	-29.92
100	8	287.00	-75.17	-56.81	3.34	242.80	-36.32	-56.14
100	8	312.00	-64.96	-58.20	3.21	-267.90	63.86	-0.88
100	9	262.00	-118.34	-50.37	1.79	-59.38	-16.88	-21.71
100	9	287.00	-119.52	-50.37	1.79	-59.38	-16.86	-34.15
100	9	312.00	-108.16	-50.27	1.22	-538.18	31.21	-6.26
100	10	262.00	-104.62	-67.45	3.23	143.39	-34.27	-32.29
100	10	287.00	-106.57	-67.45	3.23	143.39	-34.48	-57.49
100	10	312.00	-101.31	-68.11	2.94	-488.13	61.03	-4.45
100	11	262.00	-139.06	-57.47	1.71	-125.75	-15.63	-23.25
100	11	287.00	-140.45	-57.47	1.71	-125.75	-15.53	-35.01
100	11	312.00	-132.40	-56.88	1.03	-685.01	29.23	-8.61
100	12	262.00	-125.33	-74.55	3.16	77.02	-33.02	-33.83
100	12	287.00	-127.50	-74.55	3.16	77.02	-33.16	-58.35
100	12	312.00	-125.54	-74.72	2.75	-634.96	59.05	-6.80
100	13	262.00	-118.33	-50.37	1.78	-59.53	-16.73	-21.65
100	13	287.00	-119.51	-50.37	1.78	-59.53	-16.70	-34.10
100	13	312.00	-108.16	-50.28	1.21	-538.20	31.07	-6.22
100	14	262.00	-104.61	-67.46	3.22	143.24	-34.11	-32.23
100	14	287.00	-106.56	-67.46	3.22	143.24	-34.33	-57.43
100	14	312.00	-101.31	-68.12	2.93	-488.15	60.89	-4.40
100	15	262.00	-139.05	-57.47	1.70	-125.90	-15.48	-23.20
100	15	287.00	-140.44	-57.47	1.70	-125.90	-15.38	-34.96
100	15	312.00	-132.40	-56.89	1.02	-685.03	29.09	-8.57
100	16	262.00	-125.32	-74.56	3.15	76.87	-32.86	-33.78
100	16	287.00	-127.49	-74.56	3.15	76.87	-33.01	-58.29
100	16	312.00	-125.54	-74.72	2.74	-634.98	58.91	-6.75
...								
100	203	312.00	-78.18	-47.81	1.86	-379.02	39.97	-3.70
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-140.46	-74.72	-9.07	-685.03	-174.70	-188.81
			-29.75	-25.09	14.18	309.36	198.55	103.81

Macro	Tipo	Angolo 1-Z (gradi)
101	**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
101	1	262.00	-69.45	7.54	3.62	-249.10	-30.49	-5.95
101	1	287.00	-70.72	7.54	3.62	-249.10	-30.42	-16.52
101	1	312.00	-52.40	0.29	3.77	-7.16	51.75	2.59
101	2	262.00	-64.73	13.05	6.59	-458.67	-58.13	-6.80
101	2	287.00	-67.09	13.05	6.59	-458.67	-57.83	-27.27
101	2	312.00	-47.71	0.56	6.75	-47.09	90.71	2.83
101	3	262.00	-103.86	12.16	3.61	-368.40	-31.83	-4.73
101	3	287.00	-105.31	12.16	3.61	-368.40	-31.74	-17.11
101	3	312.00	-87.23	3.55	3.75	-42.18	49.95	0.93
101	4	262.00	-99.13	17.68	6.57	-577.97	-59.46	-5.57
101	4	287.00	-101.67	17.68	6.57	-577.97	-59.15	-27.87
101	4	312.00	-82.54	3.82	6.73	-82.12	88.91	1.16
101	5	262.00	-69.45	7.54	3.62	-249.07	-30.42	-5.94
101	5	287.00	-70.73	7.54	3.62	-249.07	-30.35	-16.51
101	5	312.00	-52.40	0.28	3.76	-7.16	51.68	2.60
101	6	262.00	-64.73	13.05	6.58	-458.65	-58.06	-6.79
101	6	287.00	-67.09	13.05	6.58	-458.65	-57.76	-27.27
101	6	312.00	-47.71	0.56	6.74	-47.09	90.64	2.84
101	7	262.00	-103.86	12.16	3.60	-368.37	-31.76	-4.72
101	7	287.00	-105.31	12.16	3.60	-368.37	-31.67	-17.11
101	7	312.00	-87.23	3.55	3.75	-42.19	49.87	0.93
101	8	262.00	-99.13	17.68	6.56	-577.95	-59.39	-5.56
101	8	287.00	-101.68	17.68	6.56	-577.95	-59.08	-27.87
101	8	312.00	-82.54	3.82	6.73	-82.12	88.84	1.17
101	9	262.00	-155.47	19.10	3.59	-547.35	-33.82	-2.89
101	9	287.00	-157.19	19.10	3.59	-547.35	-33.71	-18.01

101	9	312.00	-139.48	8.44	3.73	-94.73	47.24	-1.57
101	10	262.00	-150.74	24.62	6.55	-756.92	-61.46	-3.73
101	10	287.00	-153.55	24.62	6.55	-756.92	-61.13	-28.77
101	10	312.00	-134.79	8.72	6.71	-134.66	86.20	-1.34
101	11	262.00	-189.88	23.73	3.57	-666.65	-35.16	-1.66
101	11	287.00	-191.77	23.73	3.57	-666.65	-35.03	-18.61
101	11	312.00	-174.31	11.70	3.71	-129.76	45.43	-3.24
101	12	262.00	-185.15	29.25	6.53	-876.22	-62.79	-2.50
101	12	287.00	-188.13	29.25	6.53	-876.22	-62.45	-29.37
101	12	312.00	-169.62	11.98	6.69	-169.69	84.39	-3.00
101	13	262.00	-155.47	19.10	3.58	-547.32	-33.76	-2.88
101	13	287.00	-157.19	19.10	3.58	-547.32	-33.65	-18.00
101	13	312.00	-139.48	8.44	3.72	-94.73	47.17	-1.57
101	14	262.00	-150.75	24.62	6.54	-756.90	-61.39	-3.72
101	14	287.00	-153.55	24.62	6.54	-756.90	-61.06	-28.76
101	14	312.00	-134.79	8.72	6.70	-134.66	86.13	-1.33
101	15	262.00	-189.88	23.73	3.57	-666.62	-35.09	-1.65
101	15	287.00	-191.77	23.73	3.57	-666.62	-34.96	-18.60
101	15	312.00	-174.31	11.70	3.71	-129.76	45.36	-3.23
101	16	262.00	-185.15	29.25	6.53	-876.20	-62.72	-2.49
101	16	287.00	-188.14	29.25	6.53	-876.20	-62.38	-29.36
101	16	312.00	-169.62	11.98	6.69	-169.69	84.32	-2.99
...								
101	203	312.00	-102.83	6.46	4.46	-92.19	57.19	-0.99
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-191.77	-4.13	-15.10	-876.23	-253.42	-90.72
			-35.62	29.25	24.84	-5.50	272.99	48.80

Macro	Tipo	Angolo 1-Z (gradi)
102	**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
102	1	262.00	-82.71	31.77	11.29	-555.39	-154.28	80.94
102	1	287.00	-84.24	31.77	11.29	-555.39	-151.56	-26.56
102	1	312.00	-47.32	29.41	10.80	-144.95	104.72	-32.34
102	2	262.00	-97.83	46.69	16.16	-824.03	-225.87	91.38
102	2	287.00	-100.04	46.69	16.16	-824.03	-223.11	-38.28
102	2	312.00	-54.97	43.34	15.56	-217.00	141.69	-41.03
102	3	262.00	-100.46	36.02	12.96	-640.99	-157.93	80.64
102	3	287.00	-102.20	36.02	12.96	-640.99	-154.84	-31.14
102	3	312.00	-63.90	33.30	12.56	-170.72	140.65	-27.88
102	4	262.00	-115.57	50.94	17.84	-909.63	-229.52	91.08
102	4	287.00	-117.99	50.94	17.84	-909.63	-226.39	-42.85
102	4	312.00	-71.55	47.23	17.31	-242.78	177.63	-36.57
102	5	262.00	-82.79	31.83	11.28	-555.87	-154.24	80.95
102	5	287.00	-84.32	31.83	11.28	-555.87	-151.51	-26.55
102	5	312.00	-47.34	29.48	10.80	-145.12	104.67	-32.33
102	6	262.00	-97.90	46.75	16.16	-824.51	-225.83	91.38
102	6	287.00	-100.11	46.75	16.16	-824.51	-223.06	-38.27
102	6	312.00	-54.99	43.41	15.56	-217.18	141.64	-41.02
102	7	262.00	-100.53	36.08	12.96	-641.47	-157.89	80.65
102	7	287.00	-102.27	36.08	12.96	-641.47	-154.80	-31.13
102	7	312.00	-63.93	33.37	12.55	-170.90	140.60	-27.87
102	8	262.00	-115.64	51.00	17.83	-910.11	-229.48	91.08
102	8	287.00	-118.06	51.00	17.83	-910.11	-226.35	-42.85
102	8	312.00	-71.58	47.30	17.31	-242.95	177.58	-36.56
102	9	262.00	-127.07	42.40	15.48	-769.39	-163.41	80.19
102	9	287.00	-129.13	42.40	15.48	-769.39	-159.77	-38.01
102	9	312.00	-88.79	39.14	15.18	-209.38	194.55	-21.19
102	10	262.00	-142.18	57.32	20.35	-1038.03	-235.00	90.63
102	10	287.00	-144.93	57.32	20.35	-1038.03	-231.32	-49.72
102	10	312.00	-96.44	53.07	19.94	-281.44	231.53	-29.89
102	11	262.00	-144.81	46.64	17.15	-854.99	-167.07	79.89
102	11	287.00	-147.09	46.64	17.15	-854.99	-163.06	-42.58
102	11	312.00	-105.38	43.03	16.93	-235.16	230.49	-16.73
102	12	262.00	-159.92	61.57	22.02	-1123.63	-238.66	90.33
102	12	287.00	-162.88	61.57	22.02	-1123.63	-234.61	-54.30
102	12	312.00	-113.03	56.96	21.69	-307.21	267.46	-25.43
102	13	262.00	-127.14	42.45	15.47	-769.87	-163.37	80.20
102	13	287.00	-129.20	42.45	15.47	-769.87	-159.73	-38.00
102	13	312.00	-88.81	39.21	15.18	-209.56	194.50	-21.18
102	14	262.00	-142.25	57.37	20.35	-1038.51	-234.96	90.64
102	14	287.00	-145.00	57.37	20.35	-1038.51	-231.28	-49.71
102	14	312.00	-96.46	53.14	19.93	-281.62	231.48	-29.88
102	15	262.00	-144.88	46.70	17.15	-855.47	-167.02	79.90
102	15	287.00	-147.16	46.70	17.15	-855.47	-163.02	-42.58
102	15	312.00	-105.40	43.10	16.93	-235.33	230.44	-16.72
102	16	262.00	-159.99	61.62	22.02	-1124.11	-238.61	90.34
102	16	287.00	-162.95	61.62	22.02	-1124.11	-234.57	-54.29

102	16	312.00	-113.05	57.03	21.69	-307.39	267.41	-25.42
...								
102	203	312.00	-71.45	37.34	14.12	-198.11	167.33	-21.19
M_S			**N memb.**	**V memb.**	**V orto**	**M memb.**	**M orto**	**T**
			-162.98	22.59	2.51	-1124.27	-281.04	-92.68
			-36.39	61.64	27.13	-111.42	297.11	91.39

Macro	Tipo	Angolo 1-X (gradi)
4	**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
4	1	3	2.32	1.53	2.00	1.85	-0.39	-0.41	-1.32	-0.45	-1.28	-0.19
4	1	10	2.22	1.00	1.31	1.91	-0.53	0.16	-2.53	-0.60	-1.78	1.21
4	1	12	2.40	1.08	1.34	2.14	-0.53	1.65	-1.53	-0.33	0.45	1.54
4	1	18	2.27	2.12	2.22	2.17	-6.92e-02	-1.40	-7.89	-1.87	-7.42	-1.68
4	1	28	2.34	1.56	2.01	1.89	-0.39	0.95	-0.21	-0.19	0.93	-0.16
4	1	34	2.51	2.24	2.26	2.49	-6.92e-02	4.36	-0.73	-0.48	4.12	-1.10
4	1	42	1.69	1.20	1.37	1.53	0.23	0.19	-0.57	-0.44	6.10e-02	-0.28
4	1	43	2.22	1.00	1.31	1.91	0.53	0.16	-2.53	-0.60	-1.78	-1.21
4	1	47	2.16	1.47	2.15	1.48	-0.10	-0.28	-0.34	-0.33	-0.29	-2.61e-02
4	1	54	1.91	1.30	1.40	1.81	-0.23	-0.26	-0.81	-0.52	-0.55	0.28
4	1	56	1.69	1.20	1.37	1.53	-0.23	0.19	-0.57	-0.44	6.10e-02	0.28
4	1	58	2.40	1.08	1.34	2.14	0.53	1.65	-1.53	-0.33	0.45	-1.54
4	1	71	2.22	1.79	2.19	1.82	-0.10	0.30	-0.26	-0.26	0.29	-4.02e-02
4	1	77	2.34	1.56	2.01	1.89	0.39	0.95	-0.21	-0.19	0.93	0.16
4	1	90	2.16	1.47	2.15	1.48	0.10	-0.28	-0.34	-0.33	-0.29	2.61e-02
4	1	97	1.73	1.49	1.49	1.73		-0.30	-0.46	-0.46	-0.30	
4	1	99	1.45	1.36	1.45	1.36		-3.67e-02	-0.43	-0.43	-3.67e-02	
4	1	114	2.22	1.79	2.19	1.82	0.10	0.30	-0.26	-0.26	0.29	4.02e-02
4	1	121	2.51	2.24	2.26	2.49	6.92e-02	4.36	-0.73	-0.48	4.12	1.10
4	1	133	2.32	1.53	2.00	1.85	0.39	-0.41	-1.32	-0.45	-1.28	0.19
4	1	139	2.27	2.12	2.22	2.17	6.92e-02	-1.40	-7.89	-1.87	-7.42	1.68
4	1	140	1.91	1.30	1.40	1.81	0.23	-0.26	-0.81	-0.52	-0.55	-0.28
4	2	3	3.22	1.93	3.01	2.14	-0.48	-0.56	-1.81	-0.66	-1.71	-0.34
4	2	10	3.16	1.60	2.00	2.76	-0.68	0.31	-3.63	-0.80	-2.52	1.77
4	2	12	2.89	1.46	1.95	2.40	-0.68	1.88	-2.61	-0.52	-0.20	2.24
4	2	18	3.20	3.13	3.13	3.20	-1.52e-03	-2.24	-11.11	-2.70	-10.66	-1.95
4	2	28	3.39	2.37	3.07	2.69	-0.48	1.36	-0.34	-0.30	1.32	-0.26
4	2	34	3.08	2.77	3.08	2.77	-1.52e-03	4.43	-1.12	-0.91	4.22	-1.05
4	2	42	2.24	1.60	2.08	1.77	0.28	0.36	-0.84	-0.64	0.16	-0.44
4	2	43	3.16	1.60	2.00	2.76	0.68	0.31	-3.63	-0.80	-2.52	-1.77
4	2	47	3.25	1.74	3.24	1.75	-0.12	-0.46	-0.54	-0.51	-0.49	-3.49e-02
4	2	54	2.71	2.03	2.17	2.56	-0.28	-0.34	-1.22	-0.76	-0.81	0.44
4	2	56	2.24	1.60	2.08	1.77	-0.28	0.36	-0.84	-0.64	0.16	0.44
4	2	58	2.89	1.46	1.95	2.40	0.68	1.88	-2.61	-0.52	-0.20	-2.24
4	2	71	3.36	2.56	3.34	2.58	-0.12	0.44	-0.41	-0.40	0.43	-5.35e-02
4	2	77	3.39	2.37	3.07	2.69	0.48	1.36	-0.34	-0.30	1.32	0.26
4	2	90	3.25	1.74	3.24	1.75	0.12	-0.46	-0.54	-0.51	-0.49	3.49e-02
4	2	97	2.44	2.29	2.29	2.44		-0.47	-0.68	-0.68	-0.47	
4	2	99	2.19	1.59	2.19	1.59		-6.72e-02	-0.63	-0.63	-6.72e-02	
4	2	114	3.36	2.56	3.34	2.58	0.12	0.44	-0.41	-0.40	0.43	5.35e-02
4	2	121	3.08	2.77	3.08	2.77	1.52e-03	4.43	-1.12	-0.91	4.22	1.05
4	2	133	3.22	1.93	3.01	2.14	0.48	-0.56	-1.81	-0.66	-1.71	0.34
4	2	139	3.20	3.13	3.13	3.20	1.52e-03	-2.24	-11.11	-2.70	-10.66	1.95
4	2	140	2.71	2.03	2.17	2.56	0.28	-0.34	-1.22	-0.76	-0.81	-0.44
4	3	3	2.36	1.56	2.05	1.86	-0.39	-0.42	-1.35	-0.46	-1.31	-0.19
4	3	10	2.26	1.04	1.34	1.95	-0.53	0.16	-2.60	-0.62	-1.82	1.24
4	3	12	2.42	1.10	1.37	2.15	-0.53	1.70	-1.57	-0.34	0.48	1.58
4	3	18	2.32	2.18	2.27	2.23	-6.13e-02	-1.43	-8.08	-1.91	-7.59	-1.72
...												
4	203	140	1.71	1.49	1.61	1.59	0.11	-0.26	-0.89	-0.57	-0.59	-0.32
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-13.08	-3.86	-12.20	-4.62		-17.21	-3.66	-14.75	-5.77
			13.84		7.69	13.31	4.62	19.83		0.80	18.77	5.77

Macro	Tipo	Angolo 1-X (gradi)
5	**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
5	1	1	8.12e-02	-0.24	-0.11	-5.68e-02	0.16	1.06	5.16e-03	0.33	0.73	0.49
5	1	6	1.02	0.17	0.64	0.55	0.42	1.07	-2.23	0.20	-1.35	1.46

5	1	7	0.27	-0.40	6.10e-02	-0.19	0.31	0.55	-2.29	0.50	-2.24	-0.35
5	1	15	0.42	-0.20	9.86e-02	0.13	0.31	0.82	-0.34	0.74	-0.26	-0.30
5	1	17	4.73e-02	-0.27	-0.11	-0.11	0.16	0.63	-0.39	0.25	1.35e-03	0.50
5	1	27	0.70	-0.53	0.53	-0.36	0.42	-0.41	-9.95	-0.79	-9.57	1.86
5	1	45	-0.10	-0.20	-0.18	-0.13	4.40e-02	0.51	0.25	0.28	0.48	8.10e-02
5	1	50	0.14	-0.14	-0.10	9.90e-02	-9.67e-02	0.75	-0.17	0.74	-0.16	0.13
5	1	51	-3.42e-02	-0.23	-0.13	-0.13	9.67e-02	0.65	-0.97	0.64	-0.96	-0.14
5	1	57	4.73e-02	-0.27	-0.11	-0.11	-0.16	0.63	-0.39	0.25	1.35e-03	-0.50
5	1	59	0.14	-0.14	-0.10	9.90e-02	9.67e-02	0.75	-0.17	0.74	-0.16	-0.13
5	1	61	0.23	-0.14	-0.14	0.22	4.40e-02	0.27	3.52e-02	0.23	7.57e-02	8.91e-02
5	1	69	0.42	-0.20	9.86e-02	0.13	-0.31	0.82	-0.34	0.74	-0.26	0.30
5	1	78	1.02	0.17	0.64	0.55	-0.42	1.07	-2.23	0.20	-1.35	-1.46
5	1	88	-0.10	-0.20	-0.18	-0.13	-4.40e-02	0.51	0.25	0.28	0.48	-8.10e-02
5	1	94	-0.12	-0.15	-0.15	-0.12		0.68	-0.45	0.68	-0.45	
5	1	102	0.29	-9.83e-02	-9.83e-02	0.29		0.73	-6.76e-02	0.73	-6.76e-02	
5	1	104	0.23	-0.14	-0.14	0.22	-4.40e-02	0.27	3.52e-02	0.23	7.57e-02	-8.91e-02
5	1	117	0.70	-0.53	0.53	-0.36	-0.42	-0.41	-9.95	-0.79	-9.57	-1.86
5	1	130	0.27	-0.40	6.10e-02	-0.19	-0.31	0.55	-2.29	0.50	-2.24	0.35
5	1	131	8.12e-02	-0.24	-0.11	-5.68e-02	-0.16	1.06	5.16e-03	0.33	0.73	-0.49
5	1	137	-3.42e-02	-0.23	-0.13	-0.13	-9.67e-02	0.65	-0.97	0.64	-0.96	0.14
5	2	1	-5.32e-04	-0.45	-0.30	-0.15	0.21	1.53	-6.98e-02	0.43	1.03	0.74
5	2	6	1.37	0.22	0.84	0.75	0.58	1.73	-3.25	0.26	-1.78	2.27
5	2	7	0.31	-0.63	2.84e-02	-0.35	0.43	0.76	-3.53	0.69	-3.47	-0.52
5	2	15	0.52	-0.34	8.21e-02	9.87e-02	0.43	1.19	-0.47	1.07	-0.35	-0.44
5	2	17	-9.65e-02	-0.52	-0.31	-0.30	0.21	0.87	-0.63	0.30	-6.80e-02	0.73
5	2	27	0.89	-0.85	0.67	-0.63	0.58	-0.64	-14.96	-1.25	-14.35	2.90
5	2	45	-0.26	-0.42	-0.40	-0.28	5.01e-02	0.72	0.32	0.36	0.68	0.12
5	2	50	5.44e-02	-0.29	-0.24	1.15e-02	-0.11	1.14	-0.26	1.11	-0.23	0.19
5	2	51	-0.16	-0.39	-0.28	-0.27	0.11	0.98	-1.44	0.97	-1.42	-0.20
5	2	57	-9.65e-02	-0.52	-0.31	-0.30	-0.21	0.87	-0.63	0.30	-6.80e-02	-0.73
5	2	59	5.44e-02	-0.29	-0.24	1.15e-02	0.11	1.14	-0.26	1.11	-0.23	-0.19
5	2	61	0.20	-0.35	-0.34	0.19	5.01e-02	0.36	1.86e-02	0.29	8.52e-02	0.14
5	2	69	0.52	-0.34	8.21e-02	9.87e-02	-0.43	1.19	-0.47	1.07	-0.35	0.44
5	2	78	1.37	0.22	0.84	0.75	-0.58	1.73	-3.25	0.26	-1.78	-2.27
5	2	88	-0.26	-0.42	-0.40	-0.28	-5.01e-02	0.72	0.32	0.36	0.68	-0.12
5	2	94	-0.27	-0.30	-0.30	-0.27		1.03	-0.68	1.03	-0.68	
5	2	102	0.30	-0.24	-0.24	0.30		1.10	-0.11	1.10	-0.11	
5	2	104	0.20	-0.35	-0.34	0.19	-5.01e-02	0.36	1.86e-02	0.29	8.52e-02	-0.14
5	2	117	0.89	-0.85	0.67	-0.63	-0.58	-0.64	-14.96	-1.25	-14.35	-2.90
5	2	130	0.31	-0.63	2.84e-02	-0.35	-0.43	0.76	-3.53	0.69	-3.47	0.52
5	2	131	-5.32e-04	-0.45	-0.30	-0.15	-0.21	1.53	-6.98e-02	0.43	1.03	-0.74
5	2	137	-0.16	-0.39	-0.28	-0.27	-0.11	0.98	-1.44	0.97	-1.42	0.20
5	3	1	8.22e-02	-0.24	-0.10	-5.84e-02	0.16	1.10	6.02e-03	0.34	0.76	0.50
5	3	6	1.04	0.18	0.66	0.56	0.43	1.11	-2.29	0.20	-1.38	1.50
5	3	7	0.27	-0.40	6.55e-02	-0.19	0.31	0.56	-2.35	0.51	-2.30	-0.37
5	3	15	0.43	-0.20	0.10	0.13	0.31	0.85	-0.35	0.76	-0.26	-0.31
...												
5	203	137	-0.17	-0.28	-0.19	-0.26	-4.57e-02	0.70	-1.03	0.69	-1.02	0.14
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-4.73	-1.85	-3.84	-2.90		-17.67	-1.91	-17.30	-3.09
			4.23		2.88	4.01	2.90	2.35		1.18	1.13	3.09

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	1	1	0.27	-1.90e-02	0.25	-3.27e-03	6.56e-02	0.63	0.34	0.58	0.38	-0.11
6	1	2	0.22	-0.39	0.21	-0.39	6.56e-02	0.68	4.38e-02	0.56	0.16	-0.25
6	1	7	0.25	-0.12	0.25	-0.12	3.09e-02	-0.12	-1.12	-0.17	-1.07	0.21
6	1	8	0.20	-0.48	0.20	-0.48	3.09e-02	-0.15	-1.25	-0.18	-1.21	0.20
6	1	9	0.85	-0.41	0.84	-0.40	-8.16e-02	0.25	-3.06	0.21	-3.02	-0.38
6	1	27	0.87	-0.23	0.86	-0.22	-8.16e-02	6.60e-02	-4.32	5.53e-02	-4.31	0.22
6	1	45	0.18	-6.02e-02	0.18	-5.98e-02	1.09e-02	0.55	0.27	0.54	0.27	-1.70e-02
6	1	46	0.16	-0.26	0.16	-0.26	1.09e-02	0.52	6.42e-02	0.52	6.43e-02	-6.66e-03
6	1	51	7.79e-02	-8.32e-02	7.46e-02	-7.99e-02	2.30e-02	-0.35	-0.57	-0.39	-0.52	9.11e-02
6	1	52	5.15e-02	-0.29	4.99e-02	-0.29	2.30e-02	-0.17	-0.39	-0.36	-0.20	7.97e-02
6	1	88	0.18	-6.02e-02	0.18	-5.98e-02	-1.09e-02	0.55	0.27	0.54	0.27	1.70e-02
6	1	89	0.16	-0.26	0.16	-0.26	-1.09e-02	0.52	6.42e-02	0.52	6.43e-02	6.66e-03
6	1	94	7.14e-02	-7.18e-02	7.14e-02	-7.18e-02		-0.28	-0.34	-0.34	-0.28	
6	1	95	4.68e-02	-0.28	4.68e-02	-0.28		-0.19	-0.33	-0.33	-0.19	
6	1	117	0.87	-0.23	0.86	-0.22	8.16e-02	6.60e-02	-4.32	5.53e-02	-4.31	-0.22
6	1	120	0.85	-0.41	0.84	-0.40	8.16e-02	0.25	-3.06	0.21	-3.02	0.38
6	1	130	0.25	-0.12	0.25	-0.12	-3.09e-02	-0.12	-1.12	-0.17	-1.07	-0.21
6	1	131	0.27	-1.90e-02	0.25	-3.27e-03	-6.56e-02	0.63	0.34	0.58	0.38	0.11
6	1	132	0.22	-0.39	0.21	-0.39	-6.56e-02	0.68	4.38e-02	0.56	0.16	0.25
6	1	136	0.20	-0.48	0.20	-0.48	-3.09e-02	-0.15	-1.25	-0.18	-1.21	-0.20
6	1	137	7.79e-02	-8.32e-02	7.46e-02	-7.99e-02	-2.30e-02	-0.35	-0.57	-0.39	-0.52	-9.11e-02
6	1	138	5.15e-02	-0.29	4.99e-02	-0.29	-2.30e-02	-0.17	-0.39	-0.36	-0.20	-7.97e-02
6	2	1	0.26	-8.03e-02	0.24	-6.08e-02	7.95e-02	0.86	0.49	0.81	0.54	-0.13

6	2	2	0.19	-0.59	0.18	-0.58	7.95e-02	0.87	-5.78e-02	0.75	6.11e-02	-0.31
6	2	7	0.30	-0.24	0.30	-0.24	1.87e-02	-0.35	-1.78	-0.47	-1.67	0.38
6	2	8	0.25	-0.67	0.25	-0.67	1.87e-02	-0.34	-1.62	-0.45	-1.52	0.36
6	2	9	1.15	-0.53	1.14	-0.53	-0.12	0.53	-3.75	0.37	-3.59	-0.82
6	2	27	1.17	-0.42	1.16	-0.41	-0.12	2.91e-02	-6.47	2.17e-02	-6.46	0.22
6	2	45	0.14	-0.16	0.14	-0.16	8.43e-03	0.76	0.38	0.76	0.38	-2.77e-02
6	2	46	0.11	-0.43	0.11	-0.43	8.43e-03	0.73	7.83e-02	0.73	7.87e-02	-1.67e-02
6	2	51	4.15e-02	-0.18	3.95e-02	-0.18	2.06e-02	-0.61	-0.90	-0.72	-0.79	0.14
6	2	52	7.42e-03	-0.45	6.49e-03	-0.45	2.06e-02	-0.32	-0.72	-0.67	-0.36	0.13
6	2	88	0.14	-0.16	0.14	-0.16	-8.43e-03	0.76	0.38	0.76	0.38	2.77e-02
6	2	89	0.11	-0.43	0.11	-0.43	-8.43e-03	0.73	7.83e-02	0.73	7.87e-02	1.67e-02
6	2	94	3.73e-02	-0.18	3.73e-02	-0.18		-0.45	-0.66	-0.66	-0.45	
6	2	95	3.63e-03	-0.46	3.63e-03	-0.46		-0.29	-0.64	-0.64	-0.29	
6	2	117	1.17	-0.42	1.16	-0.41	0.12	2.91e-02	-6.47	2.17e-02	-6.46	-0.22
6	2	120	1.15	-0.53	1.14	-0.53	0.12	0.53	-3.75	0.37	-3.59	0.82
6	2	130	0.30	-0.24	0.30	-0.24	-1.87e-02	-0.35	-1.78	-0.47	-1.67	-0.38
6	2	131	0.26	-8.03e-02	0.24	-6.08e-02	-7.95e-02	0.86	0.49	0.81	0.54	0.13
6	2	132	0.19	-0.59	0.18	-0.58	-7.95e-02	0.87	-5.78e-02	0.75	6.11e-02	0.31
6	2	136	0.25	-0.67	0.25	-0.67	-1.87e-02	-0.34	-1.62	-0.45	-1.52	-0.36
6	2	137	4.15e-02	-0.18	3.95e-02	-0.18	-2.06e-02	-0.61	-0.90	-0.72	-0.79	-0.14
6	2	138	7.42e-03	-0.45	6.49e-03	-0.45	-2.06e-02	-0.32	-0.72	-0.67	-0.36	-0.13
6	3	1	0.28	-1.84e-02	0.27	-3.30e-03	6.56e-02	0.65	0.35	0.60	0.40	-0.11
6	3	2	0.23	-0.40	0.22	-0.39	6.56e-02	0.69	4.19e-02	0.57	0.16	-0.25
6	3	7	0.26	-0.13	0.25	-0.12	2.89e-02	-0.13	-1.15	-0.18	-1.10	0.22
6	3	8	0.21	-0.49	0.21	-0.49	2.89e-02	-0.15	-1.26	-0.19	-1.22	0.21
...												
6	203	138	1.53e-02	-0.43	1.53e-02	-0.43	3.50e-03	-0.21	-0.49	-0.46	-0.25	-9.21e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-4.58	-0.80	-4.57	-1.30		-7.83	-0.77	-7.82	-0.96
			3.67		2.54	3.65	1.30	0.93		0.87	0.59	0.96

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	1	3	2.54	1.54	2.54	1.54	2.88e-02	-0.85	-2.42	-2.41	-0.85	-5.20e-02
9	1	12	1.69	1.20	1.21	1.67	8.58e-02	0.36	-0.75	-0.54	0.16	-0.43
9	1	14	2.59	-8.29e-02	2.54	-2.74e-02	-0.38	-1.35	-6.80	-1.82	-6.33	1.54
9	1	16	1.02	1.31e-02	1.02	2.05e-02	8.58e-02	-0.39	-3.10	-0.87	-2.61	-1.04
9	1	24	2.42	0.49	2.42	0.49	2.88e-02	0.81	-2.33	-2.23	0.71	-0.55
9	1	34	2.95	1.88	2.78	2.04	-0.38	2.16	-1.21	-0.85	1.80	1.05
9	1	42	1.27	1.18	1.25	1.20	-3.77e-02	-0.14	-1.59	-1.59	-0.14	-2.12e-02
9	1	47	2.71	1.27	2.71	1.27	3.92e-03	-0.42	-2.54	-2.54	-0.42	4.15e-02
9	1	53	1.16	0.46	1.16	0.47	-3.77e-02	0.19	-1.55	-1.55	0.19	6.58e-02
9	1	56	1.27	1.18	1.25	1.20	3.77e-02	-0.14	-1.59	-1.59	-0.14	2.12e-02
9	1	58	1.69	1.20	1.21	1.67	-8.58e-02	0.36	-0.75	-0.54	0.16	0.43
9	1	60	1.16	0.46	1.16	0.47	3.77e-02	0.19	-1.55	-1.55	0.19	-6.58e-02
9	1	68	2.65	0.72	2.65	0.72	3.92e-03	-0.42	-2.54	-2.54	-0.42	5.00e-02
9	1	72	2.42	0.49	2.42	0.49	-2.88e-02	0.81	-2.33	-2.23	0.71	0.55
9	1	73	1.02	1.31e-02	1.02	2.05e-02	-8.58e-02	-0.39	-3.10	-0.87	-2.61	1.04
9	1	90	2.71	1.27	2.71	1.27	-3.92e-03	-0.42	-2.54	-2.54	-0.42	-4.15e-02
9	1	99	1.30	1.07	1.30	1.07		-0.18	-1.58	-1.58	-0.18	
9	1	103	1.24	0.58	1.24	0.58		-0.33	-1.60	-1.60	-0.33	
9	1	111	2.65	0.72	2.65	0.72	-3.92e-03	-0.42	-2.54	-2.54	-0.42	-5.00e-02
9	1	115	2.59	-8.29e-02	2.54	-2.74e-02	0.38	-1.35	-6.80	-1.82	-6.33	-1.54
9	1	121	2.95	1.88	2.78	2.04	0.38	2.16	-1.21	-0.85	1.80	-1.05
9	1	133	2.54	1.54	2.54	1.54	-2.88e-02	-0.85	-2.42	-2.41	-0.85	5.20e-02
9	2	3	3.85	1.83	3.85	1.83	2.37e-03	-1.18	-3.66	-3.66	-1.18	-6.82e-02
9	2	12	1.90	1.76	1.78	1.88	5.68e-02	-1.50e-02	-1.53	-1.32	-0.22	-0.52
9	2	14	3.68	-0.17	3.56	-5.10e-02	-0.66	-2.11	-8.49	-2.52	-8.08	1.56
9	2	16	1.55	-0.12	1.54	-0.12	5.68e-02	-0.85	-4.29	-1.71	-3.43	-1.49
9	2	24	3.67	0.37	3.67	0.37	2.37e-03	0.94	-3.53	-3.42	0.83	-0.70
9	2	34	4.09	2.06	3.85	2.31	-0.66	2.29	-1.81	-1.33	1.81	1.31
9	2	42	1.91	1.39	1.91	1.40	-4.46e-02	-0.20	-2.61	-2.61	-0.20	-1.77e-02
9	2	47	4.12	1.54	4.12	1.54	1.62e-03	-0.66	-3.87	-3.87	-0.66	5.88e-02
9	2	53	1.77	0.27	1.77	0.27	-4.46e-02	0.21	-2.57	-2.56	0.21	0.12
9	2	56	1.91	1.39	1.91	1.40	4.46e-02	-0.20	-2.61	-2.61	-0.20	1.77e-02
9	2	58	1.90	1.76	1.78	1.88	-5.68e-02	-1.50e-02	-1.53	-1.32	-0.22	0.52
9	2	60	1.77	0.27	1.77	0.27	4.46e-02	0.21	-2.57	-2.56	0.21	-0.12
9	2	68	4.01	0.63	4.01	0.63	1.62e-03	-0.62	-3.87	-3.87	-0.62	5.53e-02
9	2	72	3.67	0.37	3.67	0.37	-2.37e-03	0.94	-3.53	-3.42	0.83	0.70
9	2	73	1.55	-0.12	1.54	-0.12	-5.68e-02	-0.85	-4.29	-1.71	-3.43	1.49
9	2	90	4.12	1.54	4.12	1.54	-1.62e-03	-0.66	-3.87	-3.87	-0.66	-5.88e-02
9	2	99	1.99	1.26	1.99	1.26		-0.31	-2.63	-2.63	-0.31	
9	2	103	1.88	0.40	1.88	0.40		-0.50	-2.65	-2.65	-0.50	
9	2	111	4.01	0.63	4.01	0.63	-1.62e-03	-0.62	-3.87	-3.87	-0.62	-5.53e-02
9	2	115	3.68	-0.17	3.56	-5.10e-02	0.66	-2.11	-8.49	-2.52	-8.08	-1.56
9	2	121	4.09	2.06	3.85	2.31	0.66	2.29	-1.81	-1.33	1.81	-1.31
9	2	133	3.85	1.83	3.85	1.83	-2.37e-03	-1.18	-3.66	-3.66	-1.18	6.82e-02

9	3	3	2.61	1.56	2.61	1.56	2.83e-02	-0.87	-2.48	-2.47	-0.87	-4.94e-02
9	3	12	1.70	1.23	1.24	1.68	8.50e-02	0.37	-0.77	-0.57	0.17	-0.43
9	3	14	2.65	-9.16e-02	2.59	-3.33e-02	-0.40	-1.37	-6.80	-1.85	-6.32	1.54
9	3	16	1.05	1.03e-03	1.04	7.95e-03	8.50e-02	-0.40	-3.11	-0.90	-2.61	-1.06
...												
9	203	133	2.78	0.64	2.78	0.65	4.68e-02	-0.95	-2.63	-2.63	-0.95	3.81e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-9.91	-3.27	-9.47	-2.00		-8.96	-4.11	-8.27	-2.88
			10.69		8.28	10.57	2.00	8.79		0.84	8.52	2.88

Macro	Tipo	Angolo 1-X (gradi)
21	**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
21	1	5	0.84	0.21	0.82	0.23	-0.12	-0.65	-2.31	-0.71	-2.25	-0.31
21	1	29	1.00	0.55	0.99	0.56	7.23e-02	1.74	-1.74	-0.39	0.38	-1.69
21	1	30	0.95	0.19	0.95	0.20	7.23e-02	13.13	0.89	1.12	12.90	-1.66
21	1	32	1.31	0.90	0.94	1.27	-0.12	-6.99e-04	-0.77	-0.47	-0.30	-0.37
21	1	38	0.86	0.46	0.52	0.80	-0.14	0.97	-1.40	-0.40	-2.53e-02	1.17
21	1	40	0.51	0.11	0.45	0.17	-0.14	2.96	-0.54	-9.18e-02	2.51	1.17
21	1	49	0.82	0.24	0.82	0.24	-1.23e-02	-0.48	-0.84	-0.52	-0.81	-0.10
21	1	75	1.34	0.95	0.95	1.34	-1.23e-02	-8.09e-02	-0.46	-0.43	-0.11	-0.10
21	1	81	1.33	0.55	0.55	1.33	-2.54e-02	0.11	-0.50	-0.27	-0.12	0.30
21	1	83	0.41	0.18	0.41	0.18	-2.54e-02	0.78	-0.28	-0.18	0.68	0.31
21	1	84	0.86	0.46	0.52	0.80	0.14	0.97	-1.40	-0.40	-2.53e-02	-1.17
21	1	85	1.00	0.55	0.99	0.56	-7.23e-02	1.74	-1.74	-0.39	0.38	1.69
21	1	86	1.31	0.90	0.94	1.27	0.12	-6.99e-04	-0.77	-0.47	-0.30	0.37
21	1	92	0.82	0.24	0.82	0.24	1.23e-02	-0.48	-0.84	-0.52	-0.81	0.10
21	1	105	1.33	0.55	0.55	1.33	2.54e-02	0.11	-0.50	-0.27	-0.12	-0.30
21	1	107	0.41	0.18	0.41	0.18	2.54e-02	0.78	-0.28	-0.18	0.68	-0.31
21	1	116	0.51	0.11	0.45	0.17	0.14	2.96	-0.54	-9.18e-02	2.51	-1.17
21	1	118	1.34	0.95	0.95	1.34	1.23e-02	-8.09e-02	-0.46	-0.43	-0.11	0.10
21	1	124	1.26	0.55	0.55	1.26		-8.50e-02	-0.27	-0.27	-8.50e-02	
21	1	126	0.42	0.19	0.42	0.19		0.47	-0.20	-0.20	0.47	
21	1	128	0.95	0.19	0.95	0.20	-7.23e-02	13.13	0.89	1.12	12.90	1.66
21	1	135	0.84	0.21	0.82	0.23	0.12	-0.65	-2.31	-0.71	-2.25	0.31
21	2	5	1.29	0.30	1.25	0.34	-0.19	-0.99	-3.39	-1.08	-3.31	-0.45
21	2	29	1.42	0.81	1.41	0.82	6.39e-02	2.38	-2.24	-0.54	0.68	-2.23
21	2	30	1.36	0.34	1.35	0.34	6.39e-02	18.45	1.28	1.56	18.17	-2.17
21	2	32	2.05	1.39	1.45	1.99	-0.19	-6.03e-02	-1.18	-0.74	-0.49	-0.54
21	2	38	1.33	0.67	0.78	1.22	-0.25	1.48	-2.08	-0.57	-3.44e-02	1.76
21	2	40	0.78	0.15	0.66	0.26	-0.25	3.98	-0.89	-0.17	3.26	1.73
21	2	49	1.26	0.37	1.26	0.37	-1.82e-02	-0.76	-1.31	-0.81	-1.26	-0.16
21	2	75	2.10	1.47	1.47	2.10	-1.82e-02	-0.15	-0.73	-0.68	-0.19	-0.15
21	2	81	2.09	0.85	0.85	2.09	-3.86e-02	0.19	-0.76	-0.39	-0.18	0.46
21	2	83	0.64	0.27	0.63	0.28	-3.86e-02	1.14	-0.41	-0.25	0.98	0.47
21	2	84	1.33	0.67	0.78	1.22	0.25	1.48	-2.08	-0.57	-3.44e-02	-1.76
21	2	85	1.42	0.81	1.41	0.82	-6.39e-02	2.38	-2.24	-0.54	0.68	2.23
21	2	86	2.05	1.39	1.45	1.99	0.19	-6.03e-02	-1.18	-0.74	-0.49	0.54
21	2	92	1.26	0.37	1.26	0.37	1.82e-02	-0.76	-1.31	-0.81	-1.26	0.16
21	2	105	2.09	0.85	0.85	2.09	3.86e-02	0.19	-0.76	-0.39	-0.18	-0.46
21	2	107	0.64	0.27	0.63	0.28	3.86e-02	1.14	-0.41	-0.25	0.98	-0.47
21	2	116	0.78	0.15	0.66	0.26	0.25	3.98	-0.89	-0.17	3.26	-1.73
21	2	118	2.10	1.47	1.47	2.10	1.82e-02	-0.15	-0.73	-0.68	-0.19	0.15
21	2	124	1.99	0.85	0.85	1.99		-0.14	-0.39	-0.39	-0.14	
21	2	126	0.65	0.30	0.65	0.30		0.70	-0.29	-0.29	0.70	
21	2	128	1.36	0.34	1.35	0.34	-6.39e-02	18.45	1.28	1.56	18.17	2.17
21	2	135	1.29	0.30	1.25	0.34	0.19	-0.99	-3.39	-1.08	-3.31	0.45
21	3	5	0.87	0.21	0.84	0.24	-0.12	-0.66	-2.38	-0.73	-2.31	-0.32
21	3	29	1.03	0.56	1.02	0.58	7.75e-02	1.79	-1.79	-0.40	0.40	-1.75
21	3	30	0.98	0.20	0.97	0.21	7.75e-02	13.55	0.92	1.15	13.31	-1.71
21	3	32	1.34	0.93	0.97	1.30	-0.12	2.77e-03	-0.79	-0.48	-0.30	-0.39
...												
21	203	135	0.93	0.21	0.90	0.24	0.14	-0.72	-2.48	-0.78	-2.41	0.33
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-3.88	-1.24	-2.60	-2.67		-3.62	-1.15	-3.53	-2.72
			4.70		3.22	3.11	2.67	21.72		1.91	21.47	2.72

Macro	Tipo	Angolo 1-X (gradi)
22	**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
22	1	141	0.51	3.33e-02	0.47	7.04e-02	0.13	1.00	-2.74e-02	0.32	0.66	0.49
22	1	146	0.97	-0.14	0.75	8.36e-02	0.45	1.76	-1.72	0.30	-0.26	1.72
22	1	147	0.48	-0.13	0.31	3.06e-02	0.27	0.34	-2.52	0.29	-2.48	-0.37
22	1	153	0.44	-0.22	0.30	-8.15e-02	0.27	0.70	-0.26	0.57	-0.13	-0.33
22	1	155	0.46	-0.27	0.44	-0.25	0.13	0.63	-0.57	0.22	-0.16	0.57
22	1	161	0.96	-0.18	0.74	3.95e-02	0.45	-0.42	-10.12	-0.84	-9.70	1.98
22	1	177	0.50	7.95e-03	0.50	8.09e-03	8.27e-03	0.47	0.23	0.29	0.40	0.11
22	1	182	0.27	-0.28	0.27	-0.28	-2.13e-02	0.44	-0.15	0.39	-0.11	0.15
22	1	183	0.30	3.75e-03	0.30	5.26e-03	2.13e-02	0.31	-0.98	0.29	-0.96	-0.15
22	1	188	0.46	-0.27	0.44	-0.25	-0.13	0.63	-0.57	0.22	-0.16	-0.57
22	1	190	0.27	-0.28	0.27	-0.28	2.13e-02	0.44	-0.15	0.39	-0.11	-0.15
22	1	192	0.48	-0.17	0.48	-0.17	8.27e-03	0.28	-9.77e-02	0.24	-5.27e-02	0.12
22	1	198	0.44	-0.22	0.30	-8.15e-02	-0.27	0.70	-0.26	0.57	-0.13	0.33
22	1	205	0.97	-0.14	0.75	8.36e-02	-0.45	1.76	-1.72	0.30	-0.26	-1.72
22	1	215	0.50	7.95e-03	0.50	8.09e-03	-8.27e-03	0.47	0.23	0.29	0.40	-0.11
22	1	221	0.31	-1.25e-02	0.31	-1.25e-02		0.30	-0.57	0.30	-0.57	
22	1	227	0.29	-0.16	0.29	-0.16		0.36	-6.27e-02	0.36	-6.27e-02	
22	1	229	0.48	-0.17	0.48	-0.17	-8.27e-03	0.28	-9.77e-02	0.24	-5.27e-02	-0.12
22	1	240	0.96	-0.18	0.74	3.95e-02	-0.45	-0.42	-10.12	-0.84	-9.70	-1.98
22	1	252	0.48	-0.13	0.31	3.06e-02	-0.27	0.34	-2.52	0.29	-2.48	0.37
22	1	253	0.51	3.33e-02	0.47	7.04e-02	-0.13	1.00	-2.74e-02	0.32	0.66	-0.49
22	1	259	0.30	3.75e-03	0.30	5.26e-03	-2.13e-02	0.31	-0.98	0.29	-0.96	0.15
22	2	141	0.67	9.18e-03	0.61	7.24e-02	0.19	1.45	-0.11	0.41	0.94	0.73
22	2	146	1.36	-0.30	1.02	4.02e-02	0.67	2.80	-2.63	0.41	-0.24	2.69
22	2	147	0.67	-0.25	0.41	7.51e-03	0.41	0.46	-3.98	0.39	-3.91	-0.54
22	2	153	0.58	-0.45	0.38	-0.25	0.41	1.02	-0.38	0.84	-0.20	-0.47
22	2	155	0.56	-0.60	0.53	-0.56	0.19	0.88	-0.92	0.26	-0.31	0.85
22	2	161	1.34	-0.33	1.01	2.78e-03	0.67	-0.65	-15.48	-1.34	-14.79	3.11
22	2	177	0.65	-3.25e-02	0.65	-3.24e-02	1.09e-02	0.65	0.28	0.38	0.55	0.16
22	2	182	0.33	-0.61	0.33	-0.61	-2.75e-02	0.66	-0.23	0.60	-0.17	0.22
22	2	183	0.40	-2.81e-02	0.40	-2.63e-02	2.75e-02	0.47	-1.46	0.45	-1.44	-0.21
22	2	188	0.56	-0.60	0.53	-0.56	-0.19	0.88	-0.92	0.26	-0.31	-0.85
22	2	190	0.33	-0.61	0.33	-0.61	2.75e-02	0.66	-0.23	0.60	-0.17	-0.22
22	2	192	0.60	-0.44	0.60	-0.44	1.09e-02	0.38	-0.19	0.30	-0.11	0.19
22	2	198	0.58	-0.45	0.38	-0.25	-0.41	1.02	-0.38	0.84	-0.20	0.47
22	2	205	1.36	-0.30	1.02	4.02e-02	-0.67	2.80	-2.63	0.41	-0.24	-2.69
22	2	215	0.65	-3.25e-02	0.65	-3.24e-02	-1.09e-02	0.65	0.28	0.38	0.55	-0.16
22	2	221	0.41	-5.84e-02	0.41	-5.84e-02		0.46	-0.88	0.46	-0.88	
22	2	227	0.37	-0.42	0.37	-0.42		0.55	-0.11	0.55	-0.11	
22	2	229	0.60	-0.44	0.60	-0.44	-1.09e-02	0.38	-0.19	0.30	-0.11	-0.19
22	2	240	1.34	-0.33	1.01	2.78e-03	-0.67	-0.65	-15.48	-1.34	-14.79	-3.11
22	2	252	0.67	-0.25	0.41	7.51e-03	-0.41	0.46	-3.98	0.39	-3.91	0.54
22	2	253	0.67	9.18e-03	0.61	7.24e-02	-0.19	1.45	-0.11	0.41	0.94	-0.73
22	2	259	0.40	-2.81e-02	0.40	-2.63e-02	-2.75e-02	0.47	-1.46	0.45	-1.44	0.21
22	3	141	0.53	3.57e-02	0.49	7.25e-02	0.13	1.05	-2.68e-02	0.33	0.69	0.51
22	3	146	1.01	-0.14	0.78	8.68e-02	0.46	1.83	-1.78	0.31	-0.26	1.78
22	3	147	0.49	-0.13	0.33	3.26e-02	0.27	0.35	-2.60	0.29	-2.55	-0.39
22	3	153	0.45	-0.22	0.31	-8.24e-02	0.27	0.72	-0.27	0.58	-0.14	-0.34
...												
22	203	259	0.31	-9.47e-03	0.31	-7.58e-03	-2.44e-02	0.34	-1.09	0.32	-1.07	0.15
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-4.01	-1.33	-2.55	-2.58		-17.71	-1.79	-17.39	-3.34
			3.74		2.86	2.47	2.58	3.02		0.89	1.22	3.34

Macro	Tipo	Angolo 1-X (gradi)
23	**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
23	1	141	0.75	8.15e-02	0.74	9.87e-02	0.11	0.62	0.28	0.55	0.35	-0.14
23	1	142	0.75	7.90e-02	0.74	9.62e-02	0.11	0.60	-3.08e-03	0.52	8.31e-02	-0.21
23	1	147	0.46	-3.06e-02	0.39	4.10e-02	0.17	1.34e-02	-1.21	-5.01e-02	-1.15	0.27
23	1	148	0.41	-0.23	0.36	-0.18	0.17	-3.60e-02	-1.53	-8.99e-02	-1.48	0.28
23	1	149	0.95	-0.24	0.95	-0.24	1.23e-03	0.11	-3.21	0.11	-3.20	-0.15
23	1	161	0.98	7.99e-02	0.98	7.99e-02	1.23e-03	-1.94e-02	-4.39	-3.32e-02	-4.37	0.25
23	1	177	0.75	5.02e-02	0.75	5.03e-02	2.59e-03	0.52	0.23	0.52	0.23	-1.40e-02
23	1	178	0.77	0.24	0.77	0.24	2.59e-03	0.49	-2.53e-02	0.49	-2.51e-02	1.02e-02
23	1	183	0.33	1.41e-02	0.33	1.52e-02	1.84e-02	-7.98e-02	-0.50	-0.12	-0.47	0.12
23	1	184	0.35	0.17	0.34	0.17	1.84e-02	2.02e-02	-0.20	-7.30e-02	-0.11	0.11
23	1	215	0.75	5.02e-02	0.75	5.03e-02	-2.59e-03	0.52	0.23	0.52	0.23	1.40e-02
23	1	216	0.77	0.24	0.77	0.24	-2.59e-03	0.49	-2.53e-02	0.49	-2.51e-02	-1.02e-02
23	1	221	0.34	2.87e-03	0.34	2.87e-03		-4.38e-02	-0.28	-4.38e-02	-0.28	
23	1	222	0.37	0.18	0.37	0.18		-3.41e-02	-0.20	-3.41e-02	-0.20	
23	1	240	0.98	7.99e-02	0.98	7.99e-02	-1.23e-03	-1.94e-02	-4.39	-3.32e-02	-4.37	-0.25
23	1	243	0.95	-0.24	0.95	-0.24	-1.23e-03	0.11	-3.21	0.11	-3.20	0.15
23	1	252	0.46	-3.06e-02	0.39	4.10e-02	-0.17	1.34e-02	-1.21	-5.01e-02	-1.15	-0.27
23	1	253	0.75	8.15e-02	0.74	9.87e-02	-0.11	0.62	0.28	0.55	0.35	0.14
23	1	254	0.75	7.90e-02	0.74	9.62e-02	-0.11	0.60	-3.08e-03	0.52	8.31e-02	0.21
23	1	258	0.41	-0.23	0.36	-0.18	-0.17	-3.60e-02	-1.53	-8.99e-02	-1.48	-0.28

23	1	259	0.33	1.41e-02	0.33	1.52e-02	-1.84e-02	-7.98e-02	-0.50	-0.12	-0.47	-0.12
23	1	260	0.35	0.17	0.34	0.17	-1.84e-02	2.02e-02	-0.20	-7.30e-02	-0.11	-0.11
23	2	141	1.02	8.94e-02	0.99	0.12	0.16	0.86	0.40	0.76	0.50	-0.18
23	2	142	1.04	0.18	1.01	0.22	0.16	0.76	-0.15	0.69	-8.45e-02	-0.24
23	2	147	0.63	-8.72e-02	0.52	2.99e-02	0.27	-0.17	-1.98	-0.32	-1.84	0.49
23	2	148	0.59	-0.27	0.49	-0.18	0.27	-0.18	-2.05	-0.32	-1.90	0.50
23	2	149	1.31	-0.28	1.31	-0.28	3.58e-02	0.29	-3.85	0.23	-3.79	-0.52
23	2	161	1.35	6.94e-02	1.35	7.04e-02	3.58e-02	-0.11	-6.68	-0.12	-6.67	0.25
23	2	177	1.03	3.84e-02	1.03	3.84e-02	3.40e-03	0.73	0.32	0.73	0.32	-2.25e-02
23	2	178	1.07	0.43	1.07	0.43	3.40e-03	0.68	-6.57e-02	0.68	-6.56e-02	7.69e-03
23	2	183	0.43	-7.57e-03	0.43	-5.62e-03	2.91e-02	-0.23	-0.78	-0.30	-0.72	0.18
23	2	184	0.47	0.32	0.47	0.33	2.91e-02	-6.96e-02	-0.42	-0.24	-0.24	0.17
23	2	215	1.03	3.84e-02	1.03	3.84e-02	-3.40e-03	0.73	0.32	0.73	0.32	2.25e-02
23	2	216	1.07	0.43	1.07	0.43	-3.40e-03	0.68	-6.57e-02	0.68	-6.56e-02	-7.69e-03
23	2	221	0.46	-2.79e-02	0.46	-2.79e-02		-0.21	-0.45	-0.21	-0.45	
23	2	222	0.50	0.35	0.50	0.35		-0.19	-0.32	-0.19	-0.32	
23	2	240	1.35	6.94e-02	1.35	7.04e-02	-3.58e-02	-0.11	-6.68	-0.12	-6.67	-0.25
23	2	243	1.31	-0.28	1.31	-0.28	-3.58e-02	0.29	-3.85	0.23	-3.79	0.52
23	2	252	0.63	-8.72e-02	0.52	2.99e-02	-0.27	-0.17	-1.98	-0.32	-1.84	-0.49
23	2	253	1.02	8.94e-02	0.99	0.12	-0.16	0.86	0.40	0.76	0.50	0.18
23	2	254	1.04	0.18	1.01	0.22	-0.16	0.76	-0.15	0.69	-8.45e-02	0.24
23	2	258	0.59	-0.27	0.49	-0.18	-0.27	-0.18	-2.05	-0.32	-1.90	-0.50
23	2	259	0.43	-7.57e-03	0.43	-5.62e-03	-2.91e-02	-0.23	-0.78	-0.30	-0.72	-0.18
23	2	260	0.47	0.32	0.47	0.33	-2.91e-02	-6.96e-02	-0.42	-0.24	-0.24	-0.17
23	3	141	0.78	8.47e-02	0.76	0.10	0.11	0.64	0.29	0.57	0.37	-0.14
23	3	142	0.78	8.25e-02	0.76	9.98e-02	0.11	0.62	-7.61e-03	0.53	7.72e-02	-0.21
23	3	147	0.47	-2.82e-02	0.40	4.32e-02	0.18	9.10e-03	-1.25	-5.98e-02	-1.18	0.29
23	3	148	0.43	-0.23	0.37	-0.18	0.18	-3.58e-02	-1.54	-9.57e-02	-1.48	0.29
...												
23	203	260	0.36	0.23	0.36	0.23	-2.39e-02	-3.78e-02	-0.30	-0.16	-0.18	-0.13
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.89	-0.30	-1.88	-0.53		-7.88	-0.48	-7.88	-0.70
			2.49		2.42	1.95	0.53	0.94		0.84	0.61	0.70

Macro	Tipo	Angolo 1-X (gradi)
26	**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
26	1	5	1.03	0.20	1.01	0.22	-0.14	-0.66	-1.14	-0.73	-1.07	0.17
26	1	30	1.58	5.62e-03	1.36	0.23	-0.55	5.95	-4.03e-02	9.22e-02	5.82	0.88
26	1	31	1.53	-0.19	1.33	9.64e-03	-0.55	0.98	-2.70	-0.73	-1.00	1.83
26	1	33	0.94	-0.48	0.92	-0.46	-0.14	-0.22	-0.62	-0.62	-0.22	4.98e-03
26	1	39	0.64	-0.33	0.56	-0.25	-0.27	0.34	-1.03	0.25	-0.94	-0.33
26	1	40	0.73	3.36e-02	0.60	0.16	-0.27	1.34	0.37	0.51	1.21	-0.34
26	1	49	1.02	0.23	1.02	0.23	-8.83e-03	-0.42	-0.67	-0.67	-0.42	3.15e-02
26	1	76	0.92	-0.60	0.92	-0.60	-8.83e-03	-0.31	-0.66	-0.65	-0.31	4.11e-02
26	1	82	0.47	-0.63	0.47	-0.63	-2.38e-02	0.12	1.78e-02	3.64e-02	0.10	-4.01e-02
26	1	83	0.56	0.17	0.56	0.17	-2.38e-02	0.33	5.93e-02	6.29e-02	0.33	-3.12e-02
26	1	87	0.94	-0.48	0.92	-0.46	0.14	-0.22	-0.62	-0.62	-0.22	-4.98e-03
26	1	92	1.02	0.23	1.02	0.23	8.83e-03	-0.42	-0.67	-0.67	-0.42	-3.15e-02
26	1	93	1.53	-0.19	1.33	9.64e-03	0.55	0.98	-2.70	-0.73	-1.00	-1.83
26	1	106	0.47	-0.63	0.47	-0.63	2.38e-02	0.12	1.78e-02	3.64e-02	0.10	4.01e-02
26	1	107	0.56	0.17	0.56	0.17	2.38e-02	0.33	5.93e-02	6.29e-02	0.33	3.12e-02
26	1	112	0.64	-0.33	0.56	-0.25	0.27	0.34	-1.03	0.25	-0.94	0.33
26	1	116	0.73	3.36e-02	0.60	0.16	0.27	1.34	0.37	0.51	1.21	0.34
26	1	119	0.92	-0.60	0.92	-0.60	8.83e-03	-0.31	-0.66	-0.65	-0.31	-4.11e-02
26	1	125	0.46	-0.66	0.46	-0.66		8.88e-02	5.40e-02	5.40e-02	8.88e-02	
26	1	126	0.56	0.18	0.56	0.18		0.23	7.11e-02	7.11e-02	0.23	
26	1	128	1.58	5.62e-03	1.36	0.23	0.55	5.95	-4.03e-02	9.22e-02	5.82	-0.88
26	1	135	1.03	0.20	1.01	0.22	0.14	-0.66	-1.14	-0.73	-1.07	-0.17
26	2	5	1.57	0.29	1.53	0.33	-0.21	-0.98	-1.70	-1.11	-1.58	0.27
26	2	30	2.31	3.26e-02	1.97	0.37	-0.81	8.36	-6.25e-02	0.10	8.20	1.16
26	2	31	2.21	-0.34	1.91	-5.09e-02	-0.81	1.56	-3.12	-0.96	-0.61	2.34
26	2	33	1.43	-0.75	1.40	-0.73	-0.21	-0.49	-0.99	-0.98	-0.50	6.99e-02
26	2	39	0.93	-0.54	0.81	-0.42	-0.39	0.31	-1.26	0.18	-1.12	-0.44
26	2	40	1.08	6.27e-02	0.89	0.25	-0.39	1.70	0.35	0.50	1.55	-0.42
26	2	49	1.56	0.36	1.56	0.36	-1.47e-02	-0.65	-1.03	-1.03	-0.65	4.57e-02
26	2	76	1.41	-0.96	1.41	-0.96	-1.47e-02	-0.47	-1.01	-1.01	-0.48	5.66e-02
26	2	82	0.71	-1.00	0.71	-1.00	-3.81e-02	0.10	-0.11	-8.90e-02	8.25e-02	-6.44e-02
26	2	83	0.87	0.26	0.86	0.26	-3.81e-02	0.46	-4.91e-02	-4.44e-02	0.45	-4.86e-02
26	2	87	1.43	-0.75	1.40	-0.73	0.21	-0.49	-0.99	-0.98	-0.50	-6.99e-02
26	2	92	1.56	0.36	1.56	0.36	1.47e-02	-0.65	-1.03	-1.03	-0.65	-4.57e-02
26	2	93	2.21	-0.34	1.91	-5.09e-02	0.81	1.56	-3.12	-0.96	-0.61	-2.34
26	2	106	0.71	-1.00	0.71	-1.00	3.81e-02	0.10	-0.11	-8.90e-02	8.25e-02	6.44e-02
26	2	107	0.87	0.26	0.86	0.26	3.81e-02	0.46	-4.91e-02	-4.44e-02	0.45	4.86e-02
26	2	112	0.93	-0.54	0.81	-0.42	0.39	0.31	-1.26	0.18	-1.12	0.44
26	2	116	1.08	6.27e-02	0.89	0.25	0.39	1.70	0.35	0.50	1.55	0.42
26	2	119	1.41	-0.96	1.41	-0.96	1.47e-02	-0.47	-1.01	-1.01	-0.48	-5.66e-02
26	2	125	0.70	-1.04	0.70	-1.04		0.12	-6.23e-02	-6.23e-02	0.12	

26	2	126	0.86	0.27	0.86	0.27		0.33	-3.73e-02	-3.73e-02	0.33	
26	2	128	2.31	3.26e-02	1.97	0.37	0.81	8.36	-6.25e-02	0.10	8.20	-1.16
26	2	135	1.57	0.29	1.53	0.33	0.21	-0.98	-1.70	-1.11	-1.58	-0.27
26	3	5	1.06	0.20	1.04	0.23	-0.14	-0.68	-1.18	-0.75	-1.10	0.18
26	3	30	1.63	7.89e-03	1.40	0.24	-0.56	6.14	-3.63e-02	9.59e-02	6.01	0.89
26	3	31	1.57	-0.20	1.37	3.66e-03	-0.56	1.03	-2.71	-0.74	-0.94	1.87
26	3	33	0.97	-0.49	0.95	-0.48	-0.14	-0.23	-0.65	-0.65	-0.23	9.35e-03
...												
26	203	135	1.14	0.20	1.11	0.23	0.16	-0.71	-1.24	-0.80	-1.15	-0.20
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.17	-1.00	-2.00	-0.88		-4.62	-1.44	-3.78	-2.46
			3.97		3.87	2.55	0.88	9.88		0.78	9.74	2.46

Macro	Tipo	Angolo 1-X (gradi)
38	**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
38	1	145	0.68	0.16	0.63	0.21	-0.15	-0.51	-2.06	-0.57	-2.00	-0.29
38	1	163	0.78	0.56	0.77	0.57	-4.19e-02	1.22	-1.32	-0.31	0.21	-1.24
38	1	164	0.73	0.18	0.73	0.18	-4.19e-02	10.58	0.78	0.92	10.44	-1.17
38	1	166	1.35	0.73	0.77	1.31	-0.15	-4.71e-03	-0.65	-0.36	-0.29	-0.32
38	1	172	0.90	0.33	0.42	0.82	-0.20	0.93	-1.26	-0.27	-6.41e-02	1.09
38	1	174	0.47	2.65e-02	0.34	0.16	-0.20	2.23	-0.58	-5.81e-02	1.70	1.09
38	1	181	0.62	0.23	0.62	0.23	-1.48e-02	-0.37	-0.81	-0.39	-0.79	-8.41e-02
38	1	202	1.41	0.76	0.76	1.41	-1.48e-02	-9.02e-02	-0.34	-0.31	-0.12	-8.32e-02
38	1	208	1.40	0.43	0.43	1.40	-2.98e-02	0.10	-0.48	-0.22	-0.15	0.29
38	1	210	0.29	0.17	0.28	0.18	-2.98e-02	0.69	-0.25	-0.13	0.58	0.31
38	1	211	0.90	0.33	0.42	0.82	0.20	0.93	-1.26	-0.27	-6.41e-02	-1.09
38	1	212	0.78	0.56	0.77	0.57	4.19e-02	1.22	-1.32	-0.31	0.21	1.24
38	1	213	1.35	0.73	0.77	1.31	0.15	-4.71e-03	-0.65	-0.36	-0.29	0.32
38	1	219	0.62	0.23	0.62	0.23	1.48e-02	-0.37	-0.81	-0.39	-0.79	8.41e-02
38	1	230	1.40	0.43	0.43	1.40	2.98e-02	0.10	-0.48	-0.22	-0.15	-0.29
38	1	232	0.29	0.17	0.28	0.18	2.98e-02	0.69	-0.25	-0.13	0.58	-0.31
38	1	239	0.47	2.65e-02	0.34	0.16	0.20	2.23	-0.58	-5.81e-02	1.70	-1.09
38	1	241	1.41	0.76	0.76	1.41	1.48e-02	-9.02e-02	-0.34	-0.31	-0.12	8.32e-02
38	1	247	1.35	0.42	0.42	1.35		-0.13	-0.22	-0.22	-0.13	
38	1	249	0.28	0.19	0.28	0.19		0.35	-0.16	-0.16	0.35	
38	1	251	0.73	0.18	0.73	0.18	4.19e-02	10.58	0.78	0.92	10.44	1.17
38	1	257	0.68	0.16	0.63	0.21	0.15	-0.51	-2.06	-0.57	-2.00	0.29
38	2	145	1.05	0.25	0.98	0.33	-0.23	-0.79	-3.04	-0.88	-2.96	-0.43
38	2	163	1.13	0.82	1.10	0.85	-9.99e-02	1.60	-1.62	-0.44	0.42	-1.56
38	2	164	1.05	0.31	1.03	0.32	-9.99e-02	14.73	1.11	1.26	14.57	-1.44
38	2	166	2.15	1.13	1.19	2.10	-0.23	-7.19e-02	-1.01	-0.58	-0.50	-0.47
38	2	172	1.43	0.49	0.62	1.29	-0.33	1.41	-1.90	-0.38	-0.11	1.65
38	2	174	0.73	3.31e-02	0.50	0.26	-0.33	2.92	-1.00	-0.12	2.05	1.63
38	2	181	0.96	0.38	0.96	0.38	-2.13e-02	-0.60	-1.28	-0.62	-1.25	-0.12
38	2	202	2.27	1.19	1.19	2.27	-2.13e-02	-0.17	-0.54	-0.50	-0.21	-0.12
38	2	208	2.26	0.67	0.67	2.26	-4.33e-02	0.18	-0.74	-0.31	-0.25	0.46
38	2	210	0.45	0.28	0.44	0.29	-4.33e-02	1.02	-0.38	-0.18	0.83	0.48
38	2	211	1.43	0.49	0.62	1.29	0.33	1.41	-1.90	-0.38	-0.11	-1.65
38	2	212	1.13	0.82	1.10	0.85	9.99e-02	1.60	-1.62	-0.44	0.42	1.56
38	2	213	2.15	1.13	1.19	2.10	0.23	-7.19e-02	-1.01	-0.58	-0.50	0.47
38	2	219	0.96	0.38	0.96	0.38	2.13e-02	-0.60	-1.28	-0.62	-1.25	0.12
38	2	230	2.26	0.67	0.67	2.26	4.33e-02	0.18	-0.74	-0.31	-0.25	-0.46
38	2	232	0.45	0.28	0.44	0.29	4.33e-02	1.02	-0.38	-0.18	0.83	-0.48
38	2	239	0.73	3.31e-02	0.50	0.26	0.33	2.92	-1.00	-0.12	2.05	-1.63
38	2	241	2.27	1.19	1.19	2.27	2.13e-02	-0.17	-0.54	-0.50	-0.21	0.12
38	2	247	2.18	0.67	0.67	2.18		-0.21	-0.32	-0.32	-0.21	
38	2	249	0.44	0.32	0.44	0.32		0.50	-0.23	-0.23	0.50	
38	2	251	1.05	0.31	1.03	0.32	9.99e-02	14.73	1.11	1.26	14.57	1.44
38	2	257	1.05	0.25	0.98	0.33	0.23	-0.79	-3.04	-0.88	-2.96	0.43
38	3	145	0.70	0.17	0.66	0.22	-0.15	-0.53	-2.13	-0.59	-2.07	-0.30
38	3	163	0.81	0.58	0.80	0.59	-3.91e-02	1.27	-1.37	-0.32	0.22	-1.29
38	3	164	0.75	0.18	0.75	0.19	-3.91e-02	11.02	0.81	0.96	10.87	-1.22
38	3	166	1.39	0.75	0.79	1.36	-0.15	-1.00e-03	-0.68	-0.37	-0.30	-0.34
...												
38	203	257	0.76	0.19	0.71	0.24	0.17	-0.57	-2.24	-0.64	-2.18	0.32
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-3.16	-1.15	-2.24	-2.17		-3.29	-0.94	-3.19	-2.50
			4.05		2.69	2.85	2.17	18.63		1.70	18.51	2.50

Macro	Tipo	Angolo 1-X (gradi)
39	**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
39	1	263	0.42	-3.66e-02	0.35	2.89e-02	0.16	0.62	-0.23	0.19	0.20	0.43
39	1	268	0.81	-0.28	0.57	-4.84e-02	0.45	1.39	-1.38	0.22	-0.22	1.37
39	1	269	0.45	-0.21	0.25	-2.97e-03	0.31	0.24	-1.91	0.23	-1.90	-0.11
39	1	275	0.37	-0.41	0.22	-0.26	0.31	0.45	-0.15	0.44	-0.14	-6.70e-02
39	1	277	0.32	-0.56	0.29	-0.53	0.16	0.49	-0.54	0.15	-0.20	0.49
39	1	283	0.82	-0.24	0.58	1.66e-03	0.45	-0.20	-7.21	-0.57	-6.84	1.57
39	1	299	0.39	-3.20e-02	0.38	-3.16e-02	1.23e-02	0.29	0.13	0.21	0.20	7.97e-02
39	1	304	0.18	-0.60	0.18	-0.60	-2.83e-02	0.33	-0.15	0.31	-0.14	7.57e-02
39	1	305	0.26	-2.64e-02	0.25	-2.35e-02	2.83e-02	0.23	-0.83	0.23	-0.83	-6.81e-02
39	1	310	0.32	-0.56	0.29	-0.53	-0.16	0.49	-0.54	0.15	-0.20	-0.49
39	1	312	0.18	-0.60	0.18	-0.60	2.83e-02	0.33	-0.15	0.31	-0.14	-7.57e-02
39	1	314	0.33	-0.52	0.33	-0.52	1.23e-02	0.21	-0.12	0.18	-8.32e-02	9.97e-02
39	1	320	0.37	-0.41	0.22	-0.26	-0.31	0.45	-0.15	0.44	-0.14	6.70e-02
39	1	327	0.81	-0.28	0.57	-4.84e-02	-0.45	1.39	-1.38	0.22	-0.22	-1.37
39	1	337	0.39	-3.20e-02	0.38	-3.16e-02	-1.23e-02	0.29	0.13	0.21	0.20	-7.97e-02
39	1	343	0.26	-4.47e-02	0.26	-4.47e-02		0.23	-0.48	0.23	-0.48	
39	1	349	0.21	-0.51	0.21	-0.51		0.28	-0.10	0.28	-0.10	
39	1	351	0.33	-0.52	0.33	-0.52	-1.23e-02	0.21	-0.12	0.18	-8.32e-02	-9.97e-02
39	1	362	0.82	-0.24	0.58	1.66e-03	-0.45	-0.20	-7.21	-0.57	-6.84	-1.57
39	1	374	0.45	-0.21	0.25	-2.97e-03	-0.31	0.24	-1.91	0.23	-1.90	0.11
39	1	375	0.42	-3.66e-02	0.35	2.89e-02	-0.16	0.62	-0.23	0.19	0.20	-0.43
39	1	381	0.26	-2.64e-02	0.25	-2.35e-02	-2.83e-02	0.23	-0.83	0.23	-0.83	6.81e-02
39	2	263	0.54	-0.10	0.43	5.47e-03	0.24	0.88	-0.42	0.23	0.23	0.65
39	2	268	1.12	-0.51	0.78	-0.16	0.67	2.26	-2.13	0.31	-0.18	2.18
39	2	269	0.64	-0.36	0.32	-4.64e-02	0.47	0.31	-3.08	0.31	-3.08	-0.14
39	2	275	0.48	-0.75	0.27	-0.53	0.47	0.66	-0.22	0.65	-0.21	-7.18e-02
39	2	277	0.35	-1.06	0.30	-1.02	0.24	0.67	-0.89	0.16	-0.38	0.73
39	2	283	1.16	-0.43	0.79	-5.89e-02	0.67	-0.31	-11.16	-0.93	-10.54	2.52
39	2	299	0.48	-0.10	0.48	-0.10	1.69e-02	0.37	0.12	0.26	0.23	0.13
39	2	304	0.20	-1.14	0.20	-1.14	-3.80e-02	0.49	-0.25	0.48	-0.23	9.77e-02
39	2	305	0.33	-8.22e-02	0.33	-7.86e-02	3.80e-02	0.36	-1.26	0.36	-1.25	-8.22e-02
39	2	310	0.35	-1.06	0.30	-1.02	-0.24	0.67	-0.89	0.16	-0.38	-0.73
39	2	312	0.20	-1.14	0.20	-1.14	3.80e-02	0.49	-0.25	0.48	-0.23	-9.77e-02
39	2	314	0.37	-1.01	0.37	-1.01	1.69e-02	0.27	-0.22	0.21	-0.17	0.16
39	2	320	0.48	-0.75	0.27	-0.53	-0.47	0.66	-0.22	0.65	-0.21	7.18e-02
39	2	327	1.12	-0.51	0.78	-0.16	-0.67	2.26	-2.13	0.31	-0.18	-2.18
39	2	337	0.48	-0.10	0.48	-0.10	-1.69e-02	0.37	0.12	0.26	0.23	-0.13
39	2	343	0.34	-0.12	0.34	-0.12		0.35	-0.75	0.35	-0.75	
39	2	349	0.24	-0.99	0.24	-0.99		0.42	-0.18	0.42	-0.18	
39	2	351	0.37	-1.01	0.37	-1.01	-1.69e-02	0.27	-0.22	0.21	-0.17	-0.16
39	2	362	1.16	-0.43	0.79	-5.89e-02	-0.67	-0.31	-11.16	-0.93	-10.54	-2.52
39	2	374	0.64	-0.36	0.32	-4.64e-02	-0.47	0.31	-3.08	0.31	-3.08	0.14
39	2	375	0.54	-0.10	0.43	5.47e-03	-0.24	0.88	-0.42	0.23	0.23	-0.65
39	2	381	0.33	-8.22e-02	0.33	-7.86e-02	-3.80e-02	0.36	-1.26	0.36	-1.25	8.22e-02
39	3	263	0.44	-3.53e-02	0.37	2.96e-02	0.16	0.66	-0.24	0.21	0.22	0.45
39	3	268	0.84	-0.29	0.60	-4.89e-02	0.46	1.45	-1.44	0.23	-0.22	1.43
39	3	269	0.47	-0.21	0.26	-1.91e-03	0.31	0.24	-1.98	0.24	-1.97	-0.12
39	3	275	0.38	-0.42	0.23	-0.27	0.31	0.47	-0.16	0.46	-0.15	-8.04e-02
...												
39	203	381	0.26	-5.21e-02	0.26	-4.89e-02	-3.15e-02	0.26	-0.95	0.26	-0.95	6.64e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-3.34	-1.07	-2.47	-2.05		-14.24	-1.39	-14.02	-2.75
			2.84		2.29	1.99	2.05	2.49		0.70	0.54	2.75

Macro	Tipo	Angolo 1-X (gradi)
40	**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
40	1	263	0.61	2.22e-02	0.57	5.84e-02	0.14	0.43	0.10	0.40	0.13	-8.52e-02
40	1	264	0.64	0.19	0.59	0.24	0.14	0.44	-0.11	0.38	-5.81e-02	-0.17
40	1	269	0.42	-0.13	0.28	8.21e-03	0.23	9.09e-02	-0.94	3.02e-02	-0.87	0.24
40	1	270	0.38	-0.21	0.27	-9.08e-02	0.23	1.31e-02	-1.44	-3.21e-02	-1.39	0.25
40	1	271	0.71	-0.22	0.70	-0.21	0.11	4.84e-02	-2.69	4.51e-02	-2.69	9.54e-02
40	1	283	0.75	1.74e-02	0.73	3.52e-02	0.11	3.15e-02	-3.12	-2.15e-03	-3.08	0.32
40	1	299	0.60	1.18e-02	0.60	1.20e-02	8.49e-03	0.39	0.13	0.39	0.13	-8.68e-03
40	1	300	0.65	0.43	0.65	0.43	8.49e-03	0.36	-0.11	0.36	-0.10	1.72e-02
40	1	305	0.24	-1.75e-02	0.23	-1.35e-02	3.18e-02	-3.93e-02	-0.43	-7.54e-02	-0.40	0.11
40	1	306	0.36	0.27	0.28	0.35	3.18e-02	3.05e-02	-0.20	-4.28e-02	-0.13	0.11
40	1	337	0.60	1.18e-02	0.60	1.20e-02	-8.49e-03	0.39	0.13	0.39	0.13	8.68e-03
40	1	338	0.65	0.43	0.65	0.43	-8.49e-03	0.36	-0.11	0.36	-0.10	-1.72e-02
40	1	343	0.25	-2.83e-02	0.25	-2.83e-02		-2.35e-03	-0.23	-2.35e-03	-0.23	
40	1	344	0.38	0.30	0.30	0.38		4.33e-03	-0.17	4.33e-03	-0.17	
40	1	362	0.75	1.74e-02	0.73	3.52e-02	-0.11	3.15e-02	-3.12	-2.15e-03	-3.08	-0.32
40	1	365	0.71	-0.22	0.70	-0.21	-0.11	4.84e-02	-2.69	4.51e-02	-2.69	-9.54e-02

40	1	374	0.42	-0.13	0.28	8.21e-03	-0.23	9.09e-02	-0.94	3.02e-02	-0.87	-0.24
40	1	375	0.61	2.22e-02	0.57	5.84e-02	-0.14	0.43	0.10	0.40	0.13	8.52e-02
40	1	376	0.64	0.19	0.59	0.24	-0.14	0.44	-0.11	0.38	-5.81e-02	0.17
40	1	380	0.38	-0.21	0.27	-9.08e-02	-0.23	1.31e-02	-1.44	-3.21e-02	-1.39	-0.25
40	1	381	0.24	-1.75e-02	0.23	-1.35e-02	-3.18e-02	-3.93e-02	-0.43	-7.54e-02	-0.40	-0.11
40	1	382	0.36	0.27	0.28	0.35	-3.18e-02	3.05e-02	-0.20	-4.28e-02	-0.13	-0.11
40	2	263	0.82	-8.28e-03	0.75	5.54e-02	0.22	0.57	0.14	0.55	0.16	-0.10
40	2	264	0.90	0.33	0.80	0.44	0.22	0.53	-0.34	0.49	-0.30	-0.17
40	2	269	0.58	-0.24	0.36	-2.21e-02	0.36	-5.39e-02	-1.59	-0.20	-1.44	0.45
40	2	270	0.57	-0.26	0.36	-4.60e-02	0.36	-0.11	-1.90	-0.24	-1.77	0.46
40	2	271	0.99	-0.27	0.96	-0.23	0.20	0.15	-3.01	0.14	-3.00	-0.16
40	2	283	1.03	-3.99e-02	0.99	1.12e-04	0.20	-3.90e-02	-4.78	-6.69e-02	-4.75	0.36
40	2	299	0.80	-2.75e-02	0.80	-2.73e-02	1.36e-02	0.54	0.16	0.54	0.16	-1.37e-02
40	2	300	0.89	0.73	0.89	0.73	1.36e-02	0.50	-0.20	0.50	-0.20	1.92e-02
40	2	305	0.30	-6.37e-02	0.29	-5.60e-02	5.17e-02	-0.17	-0.69	-0.24	-0.62	0.18
40	2	306	0.63	0.36	0.37	0.62	5.17e-02	-6.17e-02	-0.41	-0.20	-0.27	0.17
40	2	337	0.80	-2.75e-02	0.80	-2.73e-02	-1.36e-02	0.54	0.16	0.54	0.16	1.37e-02
40	2	338	0.89	0.73	0.89	0.73	-1.36e-02	0.50	-0.20	0.50	-0.20	-1.92e-02
40	2	343	0.32	-8.46e-02	0.32	-8.46e-02		-0.14	-0.38	-0.14	-0.38	
40	2	344	0.66	0.41	0.41	0.66		-0.13	-0.28	-0.13	-0.28	
40	2	362	1.03	-3.99e-02	0.99	1.12e-04	-0.20	-3.90e-02	-4.78	-6.69e-02	-4.75	-0.36
40	2	365	0.99	-0.27	0.96	-0.23	-0.20	0.15	-3.01	0.14	-3.00	0.16
40	2	374	0.58	-0.24	0.36	-2.21e-02	-0.36	-5.39e-02	-1.59	-0.20	-1.44	-0.45
40	2	375	0.82	-8.28e-03	0.75	5.54e-02	-0.22	0.57	0.14	0.55	0.16	0.10
40	2	376	0.90	0.33	0.80	0.44	-0.22	0.53	-0.34	0.49	-0.30	0.17
40	2	380	0.57	-0.26	0.36	-4.60e-02	-0.36	-0.11	-1.90	-0.24	-1.77	-0.46
40	2	381	0.30	-6.37e-02	0.29	-5.60e-02	-5.17e-02	-0.17	-0.69	-0.24	-0.62	-0.18
40	2	382	0.63	0.36	0.37	0.62	-5.17e-02	-6.17e-02	-0.41	-0.20	-0.27	-0.17
40	3	263	0.64	2.43e-02	0.60	6.07e-02	0.15	0.45	0.12	0.42	0.14	-8.71e-02
40	3	264	0.67	0.20	0.62	0.25	0.15	0.45	-0.13	0.40	-7.20e-02	-0.17
40	3	269	0.43	-0.13	0.29	9.60e-03	0.24	8.88e-02	-0.98	2.11e-02	-0.91	0.26
40	3	270	0.40	-0.21	0.28	-8.98e-02	0.24	1.49e-02	-1.45	-3.73e-02	-1.40	0.27
...												
40	203	382	0.45	0.28	0.29	0.44	-4.03e-02	-3.23e-02	-0.30	-0.13	-0.20	-0.13
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.60	-0.35	-1.57	-0.40		-6.36	-0.44	-6.36	-0.78
			1.93		1.93	1.58	0.40	1.55		0.66	1.55	0.78

Macro	Tipo	Angolo 1-X (gradi)
43	**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
43	1	145	0.78	0.15	0.74	0.19	-0.16	-0.50	-0.99	-0.54	-0.95	0.13
43	1	164	1.34	-5.15e-02	1.09	0.20	-0.54	4.87	-7.35e-02	8.69e-02	4.71	0.88
43	1	165	1.30	-0.19	1.07	3.57e-02	-0.54	0.78	-2.70	-0.63	-1.29	1.71
43	1	167	0.68	-0.54	0.65	-0.52	-0.16	-0.26	-0.46	-0.46	-0.27	1.64e-02
43	1	173	0.56	-0.36	0.43	-0.24	-0.31	0.25	-1.24	0.22	-1.21	-0.20
43	1	174	0.67	-3.75e-02	0.48	0.15	-0.31	0.94	0.36	0.47	0.83	-0.23
43	1	181	0.73	0.21	0.73	0.21	-1.24e-02	-0.38	-0.50	-0.48	-0.40	3.63e-02
43	1	203	0.62	-0.70	0.62	-0.70	-1.24e-02	-0.33	-0.50	-0.48	-0.35	5.54e-02
43	1	209	0.33	-0.70	0.33	-0.70	-3.45e-02	0.15	0.14	0.14	0.14	-5.65e-03
43	1	210	0.44	0.16	0.44	0.16	-3.45e-02	0.29	0.16	0.16	0.29	-1.48e-03
43	1	214	0.68	-0.54	0.65	-0.52	0.16	-0.26	-0.46	-0.46	-0.27	-1.64e-02
43	1	219	0.73	0.21	0.73	0.21	1.24e-02	-0.38	-0.50	-0.48	-0.40	-3.63e-02
43	1	220	1.30	-0.19	1.07	3.57e-02	0.54	0.78	-2.70	-0.63	-1.29	-1.71
43	1	231	0.33	-0.70	0.33	-0.70	3.45e-02	0.15	0.14	0.14	0.14	5.65e-03
43	1	232	0.44	0.16	0.44	0.16	3.45e-02	0.29	0.16	0.16	0.29	1.48e-03
43	1	236	0.56	-0.36	0.43	-0.24	0.31	0.25	-1.24	0.22	-1.21	0.20
43	1	239	0.67	-3.75e-02	0.48	0.15	0.31	0.94	0.36	0.47	0.83	0.23
43	1	242	0.62	-0.70	0.62	-0.70	1.24e-02	-0.33	-0.50	-0.48	-0.35	-5.54e-02
43	1	248	0.32	-0.73	0.32	-0.73		0.17	3.33e-02	0.17	3.33e-02	
43	1	249	0.42	0.17	0.42	0.17		0.19	0.19	0.19	0.19	
43	1	251	1.34	-5.15e-02	1.09	0.20	0.54	4.87	-7.35e-02	8.69e-02	4.71	-0.88
43	1	257	0.78	0.15	0.74	0.19	0.16	-0.50	-0.99	-0.54	-0.95	-0.13
43	2	145	1.21	0.23	1.14	0.30	-0.25	-0.76	-1.47	-0.83	-1.40	0.22
43	2	164	1.97	-5.15e-02	1.58	0.34	-0.80	6.77	-0.11	8.74e-02	6.57	1.15
43	2	165	1.88	-0.35	1.54	-1.48e-02	-0.80	1.25	-3.05	-0.82	-0.98	2.15
43	2	167	1.04	-0.86	1.00	-0.82	-0.25	-0.54	-0.79	-0.74	-0.59	0.10
43	2	173	0.81	-0.59	0.64	-0.41	-0.46	0.16	-1.55	0.13	-1.52	-0.23
43	2	174	1.00	-4.10e-02	0.72	0.24	-0.46	1.08	0.33	0.43	0.99	-0.25
43	2	181	1.13	0.34	1.13	0.34	-2.02e-02	-0.61	-0.77	-0.75	-0.63	5.42e-02
43	2	203	0.96	-1.11	0.96	-1.11	-2.02e-02	-0.52	-0.77	-0.74	-0.55	7.75e-02
43	2	209	0.52	-1.11	0.51	-1.11	-5.50e-02	0.13	7.63e-02	7.80e-02	0.13	-9.46e-03
43	2	210	0.69	0.25	0.68	0.26	-5.50e-02	0.40	0.11	0.11	0.40	-2.20e-03
43	2	214	1.04	-0.86	1.00	-0.82	0.25	-0.54	-0.79	-0.74	-0.59	-0.10
43	2	219	1.13	0.34	1.13	0.34	2.02e-02	-0.61	-0.77	-0.75	-0.63	-5.42e-02
43	2	220	1.88	-0.35	1.54	-1.48e-02	0.80	1.25	-3.05	-0.82	-0.98	-2.15
43	2	231	0.52	-1.11	0.51	-1.11	5.50e-02	0.13	7.63e-02	7.80e-02	0.13	9.46e-03
43	2	232	0.69	0.25	0.68	0.26	5.50e-02	0.40	0.11	0.11	0.40	2.20e-03

43	2	236	0.81	-0.59	0.64	-0.41	0.46	0.16	-1.55	0.13	-1.52	0.23
43	2	239	1.00	-4.10e-02	0.72	0.24	0.46	1.08	0.33	0.43	0.99	0.25
43	2	242	0.96	-1.11	0.96	-1.11	2.02e-02	-0.52	-0.77	-0.74	-0.55	-7.75e-02
43	2	248	0.49	-1.16	0.49	-1.16		0.11	2.91e-02	0.11	2.91e-02	
43	2	249	0.66	0.28	0.66	0.28		0.26	0.14	0.14	0.26	
43	2	251	1.97	-5.15e-02	1.58	0.34	0.80	6.77	-0.11	8.74e-02	6.57	-1.15
43	2	257	1.21	0.23	1.14	0.30	0.25	-0.76	-1.47	-0.83	-1.40	-0.22
43	3	145	0.82	0.16	0.77	0.20	-0.17	-0.52	-1.02	-0.56	-0.98	0.14
43	3	164	1.39	-5.03e-02	1.13	0.21	-0.55	5.07	-6.71e-02	9.21e-02	4.91	0.89
43	3	165	1.34	-0.20	1.11	2.88e-02	-0.55	0.83	-2.70	-0.64	-1.22	1.74
43	3	167	0.70	-0.56	0.68	-0.54	-0.17	-0.28	-0.48	-0.48	-0.28	2.33e-02
...												
43	203	257	0.89	0.17	0.84	0.22	0.18	-0.55	-1.09	-0.61	-1.03	-0.17
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.01	-0.73	-1.69	-0.86		-5.00	-1.26	-4.39	-2.28
			3.18		3.07	2.19	0.86	8.59		0.66	8.41	2.28

Macro	Tipo	Angolo 1-X (gradi)
55	**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
55	1	267	0.56	0.11	0.49	0.19	-0.17	-0.45	-1.78	-0.46	-1.76	-0.15
55	1	285	0.68	0.43	0.57	0.53	-0.13	0.82	-0.91	-0.23	0.15	-0.85
55	1	286	0.57	0.12	0.53	0.16	-0.13	8.17	0.64	0.72	8.10	-0.76
55	1	288	1.34	0.58	0.62	1.30	-0.17	-0.12	-0.47	-0.29	-0.30	-0.17
55	1	294	0.90	0.22	0.32	0.80	-0.24	0.84	-1.10	-0.17	-8.73e-02	0.97
55	1	296	0.44	-5.36e-02	0.24	0.14	-0.24	1.74	-0.55	-1.81e-02	1.21	0.97
55	1	303	0.47	0.22	0.47	0.22	-1.80e-02	-0.30	-0.71	-0.31	-0.70	-6.13e-02
55	1	324	1.43	0.62	0.62	1.43	-1.80e-02	-0.11	-0.26	-0.24	-0.14	-5.48e-02
55	1	330	1.42	0.34	0.34	1.42	-3.68e-02	1.00e-01	-0.41	-0.14	-0.17	0.26
55	1	332	0.22	0.14	0.19	0.17	-3.68e-02	0.45	-0.22	-7.93e-02	0.31	0.27
55	1	333	0.90	0.22	0.32	0.80	0.24	0.84	-1.10	-0.17	-8.73e-02	-0.97
55	1	334	0.68	0.43	0.57	0.53	0.13	0.82	-0.91	-0.23	0.15	0.85
55	1	335	1.34	0.58	0.62	1.30	0.17	-0.12	-0.47	-0.29	-0.30	0.17
55	1	341	0.47	0.22	0.47	0.22	1.80e-02	-0.30	-0.71	-0.31	-0.70	6.13e-02
55	1	352	1.42	0.34	0.34	1.42	3.68e-02	1.00e-01	-0.41	-0.14	-0.17	-0.26
55	1	354	0.22	0.14	0.19	0.17	3.68e-02	0.45	-0.22	-7.93e-02	0.31	-0.27
55	1	361	0.44	-5.36e-02	0.24	0.14	0.24	1.74	-0.55	-1.81e-02	1.21	-0.97
55	1	363	1.43	0.62	0.62	1.43	1.80e-02	-0.11	-0.26	-0.24	-0.14	5.48e-02
55	1	369	1.38	0.34	0.34	1.38		-0.15	-0.15	-0.15	-0.15	
55	1	371	0.19	0.19	0.19	0.19		0.21	-0.10	-0.10	0.21	
55	1	373	0.57	0.12	0.53	0.16	0.13	8.17	0.64	0.72	8.10	0.76
55	1	379	0.56	0.11	0.49	0.19	0.17	-0.45	-1.78	-0.46	-1.76	0.15
55	2	267	0.87	0.18	0.76	0.30	-0.25	-0.70	-2.64	-0.73	-2.61	-0.21
55	2	285	1.03	0.59	0.81	0.81	-0.22	1.04	-1.04	-0.33	0.33	-0.98
55	2	286	0.84	0.20	0.75	0.29	-0.22	11.24	0.91	0.98	11.17	-0.85
55	2	288	2.17	0.93	0.98	2.12	-0.25	-0.25	-0.75	-0.48	-0.52	-0.25
55	2	294	1.43	0.34	0.49	1.28	-0.38	1.29	-1.67	-0.24	-0.14	1.48
55	2	296	0.69	-8.37e-02	0.37	0.24	-0.38	2.26	-0.98	-6.35e-02	1.34	1.46
55	2	303	0.75	0.37	0.75	0.37	-2.59e-02	-0.49	-1.13	-0.50	-1.12	-8.70e-02
55	2	324	2.34	0.98	0.98	2.34	-2.59e-02	-0.22	-0.43	-0.40	-0.25	-7.47e-02
55	2	330	2.32	0.55	0.55	2.32	-5.29e-02	0.17	-0.65	-0.19	-0.28	0.41
55	2	332	0.35	0.24	0.31	0.28	-5.29e-02	0.67	-0.34	-0.11	0.43	0.43
55	2	333	1.43	0.34	0.49	1.28	0.38	1.29	-1.67	-0.24	-0.14	-1.48
55	2	334	1.03	0.59	0.81	0.81	0.22	1.04	-1.04	-0.33	0.33	0.98
55	2	335	2.17	0.93	0.98	2.12	0.25	-0.25	-0.75	-0.48	-0.52	0.25
55	2	341	0.75	0.37	0.75	0.37	2.59e-02	-0.49	-1.13	-0.50	-1.12	8.70e-02
55	2	352	2.32	0.55	0.55	2.32	5.29e-02	0.17	-0.65	-0.19	-0.28	-0.41
55	2	354	0.35	0.24	0.31	0.28	5.29e-02	0.67	-0.34	-0.11	0.43	-0.43
55	2	361	0.69	-8.37e-02	0.37	0.24	0.38	2.26	-0.98	-6.35e-02	1.34	-1.46
55	2	363	2.34	0.98	0.98	2.34	2.59e-02	-0.22	-0.43	-0.40	-0.25	7.47e-02
55	2	369	2.27	0.54	0.54	2.27		-0.21	-0.25	-0.21	-0.25	
55	2	371	0.32	0.31	0.31	0.32		0.28	-0.15	-0.15	0.28	
55	2	373	0.84	0.20	0.75	0.29	0.22	11.24	0.91	0.98	11.17	0.85
55	2	379	0.87	0.18	0.76	0.30	0.25	-0.70	-2.64	-0.73	-2.61	0.21
55	3	267	0.59	0.12	0.51	0.20	-0.17	-0.47	-1.86	-0.48	-1.84	-0.16
55	3	285	0.71	0.45	0.60	0.55	-0.13	0.88	-0.95	-0.24	0.16	-0.89
55	3	286	0.59	0.13	0.55	0.16	-0.13	8.63	0.68	0.77	8.55	-0.81
55	3	288	1.41	0.61	0.65	1.37	-0.17	-0.12	-0.49	-0.30	-0.31	-0.19
...												
55	203	379	0.65	0.14	0.57	0.22	0.19	-0.52	-1.98	-0.54	-1.96	0.17
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.40	-1.03	-1.79	-1.60		-2.94	-0.80	-2.90	-2.46
			3.47		2.16	2.81	1.60	15.62		1.45	15.56	2.46

Macro	Tipo	Angolo 1-X (gradi)
56	**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
56	1	385	0.30	-0.11	0.21	-1.13e-02	0.18	0.31	-0.44	7.38e-02	-0.20	0.34
56	1	390	0.61	-0.38	0.39	-0.15	0.42	1.01	-1.02	0.15	-0.15	1.00
56	1	391	0.40	-0.26	0.17	-2.73e-02	0.32	0.19	-1.37	0.18	-1.36	0.12
56	1	397	0.27	-0.55	0.13	-0.40	0.32	0.38	-0.19	0.33	-0.14	0.16
56	1	399	0.15	-0.78	0.12	-0.75	0.18	0.34	-0.50	7.05e-02	-0.23	0.39
56	1	405	0.66	-0.28	0.40	-2.84e-02	0.42	1.18e-02	-4.45	-0.32	-4.12	1.18
56	1	421	0.23	-7.43e-02	0.23	-7.34e-02	1.66e-02	0.14	-2.33e-02	0.12	7.30e-04	5.80e-02
56	1	426	8.73e-02	-0.85	8.59e-02	-0.85	-3.61e-02	0.23	-0.16	0.23	-0.16	1.37e-03
56	1	427	0.19	-6.11e-02	0.18	-5.57e-02	3.61e-02	0.17	-0.66	0.17	-0.66	7.88e-03
56	1	432	0.15	-0.78	0.12	-0.75	-0.18	0.34	-0.50	7.05e-02	-0.23	-0.39
56	1	434	8.73e-02	-0.85	8.59e-02	-0.85	3.61e-02	0.23	-0.16	0.23	-0.16	-1.37e-03
56	1	436	0.15	-0.80	0.15	-0.80	1.66e-02	0.13	-0.14	0.10	-0.11	7.64e-02
56	1	442	0.27	-0.55	0.13	-0.40	-0.32	0.38	-0.19	0.33	-0.14	-0.16
56	1	449	0.61	-0.38	0.39	-0.15	-0.42	1.01	-1.02	0.15	-0.15	-1.00
56	1	459	0.23	-7.43e-02	0.23	-7.34e-02	-1.66e-02	0.14	-2.33e-02	0.12	7.30e-04	-5.80e-02
56	1	465	0.19	-7.83e-02	0.19	-7.83e-02		0.17	-0.38	0.17	-0.38	
56	1	471	0.11	-0.78	0.11	-0.78		0.20	-0.13	0.20	-0.13	
56	1	473	0.15	-0.80	0.15	-0.80	-1.66e-02	0.13	-0.14	0.10	-0.11	-7.64e-02
56	1	484	0.66	-0.28	0.40	-2.84e-02	-0.42	1.18e-02	-4.45	-0.32	-4.12	-1.18
56	1	496	0.40	-0.26	0.17	-2.73e-02	-0.32	0.19	-1.37	0.18	-1.36	-0.12
56	1	497	0.30	-0.11	0.21	-1.13e-02	-0.18	0.31	-0.44	7.38e-02	-0.20	-0.34
56	1	503	0.19	-6.11e-02	0.18	-5.57e-02	-3.61e-02	0.17	-0.66	0.17	-0.66	-7.88e-03
56	2	385	0.38	-0.22	0.21	-5.63e-02	0.27	0.41	-0.72	5.25e-02	-0.36	0.53
56	2	390	0.85	-0.65	0.51	-0.31	0.62	1.73	-1.60	0.21	-8.80e-02	1.66
56	2	391	0.57	-0.44	0.21	-8.31e-02	0.48	0.25	-2.31	0.23	-2.30	0.21
56	2	397	0.35	-0.95	0.13	-0.74	0.48	0.58	-0.30	0.49	-0.21	0.27
56	2	399	0.10	-1.41	5.58e-02	-1.36	0.27	0.44	-0.82	4.45e-02	-0.42	0.59
56	2	405	0.92	-0.49	0.54	-0.10	0.62	1.80e-02	-7.09	-0.56	-6.51	1.94
56	2	421	0.26	-0.17	0.26	-0.17	2.36e-02	0.16	-0.12	0.12	-8.59e-02	9.33e-02
56	2	426	5.34e-02	-1.54	5.18e-02	-1.54	-4.99e-02	0.36	-0.27	0.36	-0.27	-1.98e-02
56	2	427	0.23	-0.14	0.22	-0.13	4.99e-02	0.27	-1.01	0.27	-1.01	3.69e-02
56	2	432	0.10	-1.41	5.58e-02	-1.36	-0.27	0.44	-0.82	4.45e-02	-0.42	-0.59
56	2	434	5.34e-02	-1.54	5.18e-02	-1.54	4.99e-02	0.36	-0.27	0.36	-0.27	1.98e-02
56	2	436	0.10	-1.46	0.10	-1.46	2.36e-02	0.14	-0.26	0.10	-0.22	0.12
56	2	442	0.35	-0.95	0.13	-0.74	-0.48	0.58	-0.30	0.49	-0.21	-0.27
56	2	449	0.85	-0.65	0.51	-0.31	-0.62	1.73	-1.60	0.21	-8.80e-02	-1.66
56	2	459	0.26	-0.17	0.26	-0.17	-2.36e-02	0.16	-0.12	0.12	-8.59e-02	-9.33e-02
56	2	465	0.24	-0.18	0.24	-0.18		0.26	-0.61	0.26	-0.61	
56	2	471	8.42e-02	-1.44	8.42e-02	-1.44		0.31	-0.23	0.31	-0.23	
56	2	473	0.10	-1.46	0.10	-1.46	-2.36e-02	0.14	-0.26	0.10	-0.22	-0.12
56	2	484	0.92	-0.49	0.54	-0.10	-0.62	1.80e-02	-7.09	-0.56	-6.51	-1.94
56	2	496	0.57	-0.44	0.21	-8.31e-02	-0.48	0.25	-2.31	0.23	-2.30	-0.21
56	2	497	0.38	-0.22	0.21	-5.63e-02	-0.27	0.41	-0.72	5.25e-02	-0.36	-0.53
56	2	503	0.23	-0.14	0.22	-0.13	-4.99e-02	0.27	-1.01	0.27	-1.01	-3.69e-02
56	3	385	0.32	-0.11	0.23	-1.20e-02	0.18	0.34	-0.45	8.53e-02	-0.19	0.37
56	3	390	0.65	-0.39	0.41	-0.16	0.43	1.08	-1.08	0.16	-0.16	1.07
56	3	391	0.42	-0.26	0.18	-2.74e-02	0.33	0.20	-1.45	0.19	-1.44	0.12
56	3	397	0.29	-0.56	0.14	-0.41	0.33	0.39	-0.19	0.34	-0.15	0.15
...												
56	203	503	0.19	-9.52e-02	0.19	-8.97e-02	-3.91e-02	0.20	-0.78	0.20	-0.78	-1.75e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.89	-0.77	-2.46	-1.48		-10.58	-0.98	-10.43	-2.19
			1.90		1.63	1.42	1.48	1.97		0.54	0.54	2.19

Macro	Tipo	Angolo 1-X (gradi)
57	**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
57	1	385	0.44	-4.44e-02	0.38	1.80e-02	0.16	0.26	-6.98e-02	0.26	-6.54e-02	-3.79e-02
57	1	386	0.55	0.21	0.42	0.34	0.16	0.28	-0.18	0.25	-0.15	-0.12
57	1	391	0.36	-0.21	0.17	-1.68e-02	0.27	0.15	-0.67	9.47e-02	-0.62	0.20
57	1	392	0.36	-0.21	0.17	-9.31e-03	0.27	4.00e-02	-1.37	8.32e-03	-1.34	0.21
57	1	393	0.50	-0.23	0.44	-0.17	0.20	1.26e-02	-2.36	-3.58e-02	-2.31	0.34
57	1	405	0.54	-7.92e-02	0.46	-3.68e-03	0.20	0.10	-1.94	1.93e-02	-1.85	0.41
57	1	421	0.41	-2.98e-02	0.41	-2.94e-02	1.38e-02	0.26	2.50e-02	0.26	2.50e-02	-1.00e-03
57	1	422	0.56	0.47	0.48	0.55	1.38e-02	0.24	-0.18	0.23	-0.18	2.36e-02
57	1	427	0.14	-5.39e-02	0.13	-4.43e-02	4.17e-02	-5.58e-03	-0.35	-4.13e-02	-0.31	0.11
57	1	428	0.48	0.18	0.19	0.48	4.17e-02	4.18e-02	-0.18	-1.83e-02	-0.12	9.91e-02
57	1	459	0.41	-2.98e-02	0.41	-2.94e-02	-1.38e-02	0.26	2.50e-02	0.26	2.50e-02	1.00e-03
57	1	460	0.56	0.47	0.48	0.55	-1.38e-02	0.24	-0.18	0.23	-0.18	-2.36e-02
57	1	465	0.15	-6.02e-02	0.15	-6.02e-02		2.51e-02	-0.18	2.51e-02	-0.18	

57	1	466	0.52	0.22	0.22	0.52		2.81e-02	-0.15	2.81e-02	-0.15	
57	1	484	0.54	-7.92e-02	0.46	-3.68e-03	-0.20	0.10	-1.94	1.93e-02	-1.85	-0.41
57	1	487	0.50	-0.23	0.44	-0.17	-0.20	1.26e-02	-2.36	-3.58e-02	-2.31	-0.34
57	1	496	0.36	-0.21	0.17	-1.68e-02	-0.27	0.15	-0.67	9.47e-02	-0.62	-0.20
57	1	497	0.44	-4.44e-02	0.38	1.80e-02	-0.16	0.26	-6.98e-02	0.26	-6.54e-02	3.79e-02
57	1	498	0.55	0.21	0.42	0.34	-0.16	0.28	-0.18	0.25	-0.15	0.12
57	1	502	0.36	-0.21	0.17	-9.31e-03	-0.27	4.00e-02	-1.37	8.32e-03	-1.34	-0.21
57	1	503	0.14	-5.39e-02	0.13	-4.43e-02	-4.17e-02	-5.58e-03	-0.35	-4.13e-02	-0.31	-0.11
57	1	504	0.48	0.18	0.19	0.48	-4.17e-02	4.18e-02	-0.18	-1.83e-02	-0.12	-9.91e-02
57	2	385	0.58	-0.12	0.47	-6.32e-03	0.25	0.34	-0.13	0.34	-0.12	-2.89e-02
57	2	386	0.82	0.31	0.54	0.59	0.25	0.31	-0.45	0.30	-0.44	-0.11
57	2	391	0.50	-0.37	0.20	-5.96e-02	0.42	2.92e-02	-1.20	-0.10	-1.07	0.38
57	2	392	0.57	-0.28	0.21	7.51e-02	0.42	-7.97e-02	-1.78	-0.18	-1.69	0.39
57	2	393	0.71	-0.30	0.59	-0.17	0.33	4.63e-02	-2.44	3.13e-02	-2.43	0.19
57	2	405	0.74	-0.20	0.60	-5.83e-02	0.33	4.89e-02	-3.01	-2.94e-02	-2.93	0.48
57	2	421	0.52	-9.40e-02	0.52	-9.31e-02	2.28e-02	0.34	-4.94e-03	0.34	-4.93e-03	-1.53e-03
57	2	422	0.93	0.64	0.64	0.93	2.28e-02	0.30	-0.31	0.30	-0.31	2.98e-02
57	2	427	0.15	-0.12	0.13	-0.11	6.84e-02	-0.12	-0.57	-0.19	-0.50	0.16
57	2	428	0.82	0.23	0.24	0.81	6.84e-02	-4.84e-02	-0.38	-0.16	-0.27	0.16
57	2	459	0.52	-9.40e-02	0.52	-9.31e-02	-2.28e-02	0.34	-4.94e-03	0.34	-4.93e-03	1.53e-03
57	2	460	0.93	0.64	0.64	0.93	-2.28e-02	0.30	-0.31	0.30	-0.31	-2.98e-02
57	2	465	0.16	-0.14	0.16	-0.14		-0.10	-0.30	-0.10	-0.30	
57	2	466	0.88	0.28	0.28	0.88		-9.68e-02	-0.26	-9.68e-02	-0.26	
57	2	484	0.74	-0.20	0.60	-5.83e-02	-0.33	4.89e-02	-3.01	-2.94e-02	-2.93	-0.48
57	2	487	0.71	-0.30	0.59	-0.17	-0.33	4.63e-02	-2.44	3.13e-02	-2.43	-0.19
57	2	496	0.50	-0.37	0.20	-5.96e-02	-0.42	2.92e-02	-1.20	-0.10	-1.07	-0.38
57	2	497	0.58	-0.12	0.47	-6.32e-03	-0.25	0.34	-0.13	0.34	-0.12	2.89e-02
57	2	498	0.82	0.31	0.54	0.59	-0.25	0.31	-0.45	0.30	-0.44	0.11
57	2	502	0.57	-0.28	0.21	7.51e-02	-0.42	-7.97e-02	-1.78	-0.18	-1.69	-0.39
57	2	503	0.15	-0.12	0.13	-0.11	-6.84e-02	-0.12	-0.57	-0.19	-0.50	-0.16
57	2	504	0.82	0.23	0.24	0.81	-6.84e-02	-4.84e-02	-0.38	-0.16	-0.27	-0.16
57	3	385	0.47	-4.32e-02	0.41	1.93e-02	0.17	0.29	-6.22e-02	0.28	-5.76e-02	-3.97e-02
57	3	386	0.58	0.23	0.45	0.35	0.17	0.30	-0.21	0.27	-0.17	-0.12
57	3	391	0.38	-0.22	0.18	-1.64e-02	0.28	0.14	-0.72	8.51e-02	-0.66	0.22
57	3	392	0.38	-0.21	0.18	-4.33e-03	0.28	4.11e-02	-1.39	2.04e-03	-1.35	0.23
...												
57	203	504	0.59	0.20	0.20	0.59	-5.13e-02	-2.23e-02	-0.28	-0.10	-0.20	-0.12
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.28	-0.35	-1.19	-0.45		-5.36	-0.46	-5.36	-0.78
			1.40		1.36	1.12	0.45	2.02		0.57	1.96	0.78

Macro	Tipo	Angolo 1-X (gradi)
60	**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
60	1	267	0.61	9.18e-02	0.54	0.16	-0.18	-0.37	-0.85	-0.40	-0.82	0.12
60	1	286	1.10	-0.10	0.83	0.17	-0.50	3.83	-8.94e-02	8.13e-02	3.66	0.80
60	1	287	1.06	-0.20	0.81	4.57e-02	-0.50	0.63	-2.44	-0.51	-1.30	1.48
60	1	289	0.48	-0.57	0.45	-0.54	-0.18	-0.31	-0.34	-0.34	-0.31	5.28e-03
60	1	295	0.48	-0.38	0.33	-0.23	-0.33	0.20	-1.21	0.19	-1.21	-9.96e-02
60	1	296	0.60	-9.79e-02	0.37	0.13	-0.33	0.66	0.35	0.41	0.60	-0.13
60	1	303	0.52	0.19	0.52	0.19	-1.61e-02	-0.32	-0.38	-0.35	-0.34	2.98e-02
60	1	325	0.41	-0.75	0.41	-0.75	-1.61e-02	-0.30	-0.40	-0.35	-0.35	5.14e-02
60	1	331	0.24	-0.73	0.24	-0.73	-4.25e-02	0.12	5.35e-02	0.11	5.88e-02	1.81e-02
60	1	332	0.35	0.14	0.34	0.15	-4.25e-02	0.17	0.12	0.13	0.16	2.30e-02
60	1	336	0.48	-0.57	0.45	-0.54	0.18	-0.31	-0.34	-0.34	-0.31	-5.28e-03
60	1	341	0.52	0.19	0.52	0.19	1.61e-02	-0.32	-0.38	-0.35	-0.34	-2.98e-02
60	1	342	1.06	-0.20	0.81	4.57e-02	0.50	0.63	-2.44	-0.51	-1.30	-1.48
60	1	353	0.24	-0.73	0.24	-0.73	4.25e-02	0.12	5.35e-02	0.11	5.88e-02	-1.81e-02
60	1	354	0.35	0.14	0.34	0.15	4.25e-02	0.17	0.12	0.13	0.16	-2.30e-02
60	1	358	0.48	-0.38	0.33	-0.23	0.33	0.20	-1.21	0.19	-1.21	9.96e-02
60	1	361	0.60	-9.79e-02	0.37	0.13	0.33	0.66	0.35	0.41	0.60	0.13
60	1	364	0.41	-0.75	0.41	-0.75	1.61e-02	-0.30	-0.40	-0.35	-0.35	-5.14e-02
60	1	370	0.22	-0.77	0.22	-0.77		0.15	-2.89e-03	0.15	-2.89e-03	
60	1	371	0.33	0.16	0.33	0.16		0.17	0.12	0.17	0.12	
60	1	373	1.10	-0.10	0.83	0.17	0.50	3.83	-8.94e-02	8.13e-02	3.66	-0.80
60	1	379	0.61	9.18e-02	0.54	0.16	0.18	-0.37	-0.85	-0.40	-0.82	-0.12
60	2	267	0.94	0.15	0.83	0.26	-0.28	-0.56	-1.29	-0.62	-1.22	0.20
60	2	286	1.63	-0.13	1.21	0.30	-0.75	5.25	-0.13	7.72e-02	5.04	1.05
60	2	287	1.54	-0.37	1.17	-1.46e-03	-0.75	1.03	-2.64	-0.64	-0.97	1.83
60	2	289	0.75	-0.91	0.70	-0.86	-0.28	-0.51	-0.72	-0.56	-0.67	8.50e-02
60	2	295	0.70	-0.62	0.48	-0.40	-0.49	9.28e-02	-1.51	8.96e-02	-1.50	-7.10e-02
60	2	296	0.91	-0.13	0.56	0.22	-0.49	0.68	0.32	0.35	0.66	-9.71e-02
60	2	303	0.82	0.31	0.82	0.31	-2.64e-02	-0.51	-0.60	-0.56	-0.55	4.49e-02
60	2	325	0.64	-1.19	0.64	-1.19	-2.64e-02	-0.48	-0.63	-0.56	-0.55	7.18e-02
60	2	331	0.37	-1.16	0.37	-1.15	-6.87e-02	5.26e-02	-1.74e-02	3.56e-02	-3.77e-04	3.00e-02
60	2	332	0.55	0.24	0.54	0.25	-6.87e-02	0.22	5.15e-02	6.06e-02	0.21	3.76e-02
60	2	336	0.75	-0.91	0.70	-0.86	0.28	-0.51	-0.72	-0.56	-0.67	-8.50e-02
60	2	341	0.82	0.31	0.82	0.31	2.64e-02	-0.51	-0.60	-0.56	-0.55	-4.49e-02

60	2	342	1.54	-0.37	1.17	-1.46e-03	0.75	1.03	-2.64	-0.64	-0.97	-1.83
60	2	353	0.37	-1.16	0.37	-1.15	6.87e-02	5.26e-02	-1.74e-02	3.56e-02	-3.77e-04	-3.00e-02
60	2	354	0.55	0.24	0.54	0.25	6.87e-02	0.22	5.15e-02	6.06e-02	0.21	-3.76e-02
60	2	358	0.70	-0.62	0.48	-0.40	0.49	9.28e-02	-1.51	8.96e-02	-1.50	7.10e-02
60	2	361	0.91	-0.13	0.56	0.22	0.49	0.68	0.32	0.35	0.66	9.71e-02
60	2	364	0.64	-1.19	0.64	-1.19	2.64e-02	-0.48	-0.63	-0.56	-0.55	-7.18e-02
60	2	370	0.34	-1.23	0.34	-1.23		8.68e-02	-3.02e-02	8.68e-02	-3.02e-02	
60	2	371	0.52	0.28	0.52	0.28		0.15	0.11	0.11	0.15	
60	2	373	1.63	-0.13	1.21	0.30	0.75	5.25	-0.13	7.72e-02	5.04	-1.05
60	2	379	0.94	0.15	0.83	0.26	0.28	-0.56	-1.29	-0.62	-1.22	-0.20
60	3	267	0.64	9.80e-02	0.57	0.17	-0.18	-0.39	-0.90	-0.42	-0.86	0.13
60	3	286	1.15	-0.10	0.87	0.18	-0.52	4.03	-7.96e-02	8.84e-02	3.86	0.81
60	3	287	1.10	-0.22	0.85	3.72e-02	-0.52	0.69	-2.43	-0.52	-1.21	1.52
60	3	289	0.51	-0.60	0.48	-0.57	-0.18	-0.33	-0.37	-0.36	-0.34	1.35e-02
...												
60	203	379	0.71	0.11	0.63	0.19	0.20	-0.42	-0.97	-0.47	-0.92	-0.15
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.70	-0.57	-1.37	-0.82		-4.81	-1.07	-4.40	-1.96
			2.50		2.39	1.78	0.82	7.23		0.56	7.07	1.96

Macro	Tipo	Angolo 1-X (gradi)
72	**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
72	1	389	0.46	5.68e-02	0.35	0.16	-0.18	-0.36	-1.47	-0.36	-1.47	-3.05e-02
72	1	407	0.63	0.23	0.38	0.47	-0.20	0.44	-0.50	-0.16	9.64e-02	-0.45
72	1	408	0.46	1.77e-02	0.34	0.14	-0.20	5.67	0.49	0.51	5.64	-0.34
72	1	410	1.28	0.44	0.48	1.25	-0.18	-0.20	-0.32	-0.22	-0.30	-4.15e-02
72	1	416	0.86	0.12	0.24	0.75	-0.27	0.74	-0.91	-6.79e-02	-0.10	0.83
72	1	418	0.41	-0.12	0.16	0.12	-0.27	1.24	-0.53	2.63e-02	0.68	0.82
72	1	425	0.34	0.20	0.33	0.20	-1.96e-02	-0.22	-0.59	-0.23	-0.59	-3.41e-02
72	1	446	1.39	0.48	0.48	1.39	-1.96e-02	-0.14	-0.19	-0.17	-0.15	-2.41e-02
72	1	452	1.38	0.26	0.26	1.38	-4.04e-02	0.10	-0.34	-5.55e-02	-0.18	0.21
72	1	454	0.18	9.06e-02	0.11	0.16	-4.04e-02	0.26	-0.21	-2.36e-02	8.21e-02	0.23
72	1	455	0.86	0.12	0.24	0.75	0.27	0.74	-0.91	-6.79e-02	-0.10	-0.83
72	1	456	0.63	0.23	0.38	0.47	0.20	0.44	-0.50	-0.16	9.64e-02	0.45
72	1	457	1.28	0.44	0.48	1.25	0.18	-0.20	-0.32	-0.22	-0.30	4.15e-02
72	1	463	0.34	0.20	0.33	0.20	1.96e-02	-0.22	-0.59	-0.23	-0.59	3.41e-02
72	1	474	1.38	0.26	0.26	1.38	4.04e-02	0.10	-0.34	-5.55e-02	-0.18	-0.21
72	1	476	0.18	9.06e-02	0.11	0.16	4.04e-02	0.26	-0.21	-2.36e-02	8.21e-02	-0.23
72	1	483	0.41	-0.12	0.16	0.12	0.27	1.24	-0.53	2.63e-02	0.68	-0.82
72	1	485	1.39	0.48	0.48	1.39	1.96e-02	-0.14	-0.19	-0.17	-0.15	2.41e-02
72	1	491	1.36	0.25	0.25	1.36		-7.32e-02	-0.16	-7.32e-02	-0.16	
72	1	493	0.18	0.11	0.11	0.18		7.03e-02	-4.54e-02	-4.54e-02	7.03e-02	
72	1	495	0.46	1.77e-02	0.34	0.14	0.20	5.67	0.49	0.51	5.64	0.34
72	1	501	0.46	5.68e-02	0.35	0.16	0.18	-0.36	-1.47	-0.36	-1.47	3.05e-02
72	2	389	0.72	0.11	0.56	0.27	-0.27	-0.57	-2.19	-0.57	-2.19	-2.56e-02
72	2	407	0.96	0.30	0.53	0.73	-0.32	0.50	-0.46	-0.22	0.25	-0.42
72	2	408	0.70	3.26e-02	0.48	0.26	-0.32	7.59	0.65	0.66	7.58	-0.24
72	2	410	2.09	0.72	0.77	2.04	-0.27	-0.36	-0.53	-0.37	-0.52	-4.50e-02
72	2	416	1.38	0.19	0.36	1.21	-0.41	1.14	-1.39	-9.06e-02	-0.16	1.26
72	2	418	0.65	-0.18	0.24	0.22	-0.41	1.57	-0.97	9.17e-04	0.60	1.23
72	2	425	0.54	0.35	0.54	0.35	-2.83e-02	-0.38	-0.96	-0.38	-0.96	-4.51e-02
72	2	446	2.30	0.77	0.77	2.30	-2.83e-02	-0.26	-0.32	-0.30	-0.27	-2.74e-02
72	2	452	2.27	0.43	0.43	2.27	-5.81e-02	0.18	-0.55	-6.78e-02	-0.30	0.35
72	2	454	0.30	0.16	0.19	0.27	-5.81e-02	0.40	-0.34	-2.26e-02	7.53e-02	0.37
72	2	455	1.38	0.19	0.36	1.21	0.41	1.14	-1.39	-9.06e-02	-0.16	-1.26
72	2	456	0.96	0.30	0.53	0.73	0.32	0.50	-0.46	-0.22	0.25	0.42
72	2	457	2.09	0.72	0.77	2.04	0.27	-0.36	-0.53	-0.37	-0.52	4.50e-02
72	2	463	0.54	0.35	0.54	0.35	2.83e-02	-0.38	-0.96	-0.38	-0.96	4.51e-02
72	2	474	2.27	0.43	0.43	2.27	5.81e-02	0.18	-0.55	-6.78e-02	-0.30	-0.35
72	2	476	0.30	0.16	0.19	0.27	5.81e-02	0.40	-0.34	-2.26e-02	7.53e-02	-0.37
72	2	483	0.65	-0.18	0.24	0.22	0.41	1.57	-0.97	9.17e-04	0.60	-1.23
72	2	485	2.30	0.77	0.77	2.30	2.83e-02	-0.26	-0.32	-0.30	-0.27	2.74e-02
72	2	491	2.25	0.42	0.42	2.25		-0.10	-0.27	-0.10	-0.27	
72	2	493	0.31	0.19	0.19	0.31		6.26e-02	-6.02e-02	-6.02e-02	6.26e-02	
72	2	495	0.70	3.26e-02	0.48	0.26	0.32	7.59	0.65	0.66	7.58	0.24
72	2	501	0.72	0.11	0.56	0.27	0.27	-0.57	-2.19	-0.57	-2.19	2.56e-02
72	3	389	0.49	6.22e-02	0.38	0.17	-0.18	-0.38	-1.57	-0.38	-1.57	-3.91e-02
72	3	407	0.66	0.24	0.40	0.50	-0.20	0.49	-0.54	-0.16	0.11	-0.49
72	3	408	0.48	2.10e-02	0.36	0.14	-0.20	6.15	0.53	0.56	6.12	-0.39
72	3	410	1.37	0.48	0.52	1.33	-0.18	-0.21	-0.34	-0.23	-0.32	-5.19e-02
...												
72	203	501	0.54	7.91e-02	0.43	0.19	0.20	-0.44	-1.71	-0.44	-1.70	3.64e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.55	-0.82	-1.26	-1.13		-2.55	-0.66	-2.55	-2.27
			2.93		1.58	2.69	1.13	12.13		1.16	12.11	2.27

Macro	Tipo	Angolo 1-X (gradi)
73	**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
73	1	150	-1.03e-02	-0.95	-4.91e-02	-0.91	-0.19	0.17	-0.44	-9.54e-03	-0.25	-0.28
73	1	152	-1.14e-02	-1.05	-1.32e-02	-1.05	4.39e-02	0.16	-0.19	0.15	-0.18	6.55e-02
73	1	156	-3.01e-02	-1.03	-3.05e-02	-1.02	2.12e-02	4.47e-02	-0.15	2.68e-02	-0.14	5.70e-02
73	1	179	0.18	-0.65	2.84e-02	-0.50	-0.32	0.46	-0.34	0.24	-0.12	-0.36
73	1	199	0.41	-0.45	0.19	-0.23	-0.37	0.65	-0.64	7.64e-02	-6.20e-02	-0.64
73	1	238	8.18e-02	-0.11	7.94e-02	-0.11	-2.12e-02	3.04e-02	-0.19	2.12e-02	-0.18	-4.46e-02
73	1	272	0.11	-0.11	0.11	-0.11		0.11	-0.30	0.11	-0.30	
73	1	284	2.34e-03	-1.01	2.34e-03	-1.01		0.13	-0.15	0.13	-0.15	
73	1	297	-3.01e-02	-1.03	-3.05e-02	-1.02	-2.12e-02	4.47e-02	-0.15	2.68e-02	-0.14	-5.70e-02
73	1	323	0.47	-0.33	0.21	-6.22e-02	-0.37	0.27	-1.89	-9.89e-02	-1.52	-0.81
73	1	384	0.34	-0.31	8.12e-02	-5.53e-02	-0.32	0.25	-0.95	0.15	-0.86	-0.33
73	1	387	0.20	-0.19	5.43e-02	-5.13e-02	-0.19	4.98e-02	-0.65	-4.61e-02	-0.56	-0.24
73	1	403	0.11	-9.24e-02	0.10	-8.25e-02	-4.39e-02	0.13	-0.46	0.12	-0.45	-7.64e-02
73	1	507	0.20	-0.19	5.43e-02	-5.13e-02	0.19	4.98e-02	-0.65	-4.61e-02	-0.56	0.24
73	1	512	0.41	-0.45	0.19	-0.23	0.37	0.65	-0.64	7.64e-02	-6.20e-02	0.64
73	1	513	0.34	-0.31	8.12e-02	-5.53e-02	0.32	0.25	-0.95	0.15	-0.86	0.33
73	1	519	0.18	-0.65	2.84e-02	-0.50	0.32	0.46	-0.34	0.24	-0.12	0.36
73	1	521	-1.03e-02	-0.95	-4.91e-02	-0.91	0.19	0.17	-0.44	-9.54e-03	-0.25	0.28
73	1	527	0.47	-0.33	0.21	-6.22e-02	0.37	0.27	-1.89	-9.89e-02	-1.52	0.81
73	1	543	8.18e-02	-0.11	7.94e-02	-0.11	2.12e-02	3.04e-02	-0.19	2.12e-02	-0.18	4.46e-02
73	1	548	-1.14e-02	-1.05	-1.32e-02	-1.05	-4.39e-02	0.16	-0.19	0.15	-0.18	-6.55e-02
73	1	549	0.11	-9.24e-02	0.10	-8.25e-02	4.39e-02	0.13	-0.46	0.12	-0.45	7.64e-02
73	2	150	-0.13	-1.66	-0.19	-1.60	-0.28	0.19	-0.71	-6.88e-02	-0.45	-0.41
73	2	152	-8.98e-02	-1.84	-9.20e-02	-1.84	6.24e-02	0.26	-0.32	0.23	-0.29	0.13
73	2	156	-0.16	-1.82	-0.16	-1.82	3.09e-02	2.61e-02	-0.29	-6.17e-03	-0.26	9.57e-02
73	2	179	0.21	-1.10	-9.02e-03	-0.88	-0.49	0.71	-0.55	0.35	-0.18	-0.57
73	2	199	0.55	-0.75	0.23	-0.42	-0.56	1.21	-1.09	0.10	2.25e-02	-1.15
73	2	238	3.44e-02	-0.23	3.07e-02	-0.22	-3.09e-02	-5.35e-03	-0.40	-2.13e-02	-0.38	-7.76e-02
73	2	272	0.12	-0.22	0.12	-0.22		0.17	-0.50	0.17	-0.50	
73	2	284	-6.92e-02	-1.80	-6.92e-02	-1.80		0.20	-0.26	0.20	-0.26	
73	2	297	-0.16	-1.82	-0.16	-1.82	-3.09e-02	2.61e-02	-0.29	-6.17e-03	-0.26	-9.57e-02
73	2	323	0.65	-0.55	0.26	-0.16	-0.56	0.40	-3.39	-0.23	-2.75	-1.42
73	2	384	0.48	-0.52	8.20e-02	-0.13	-0.49	0.32	-1.76	0.18	-1.62	-0.51
73	2	387	0.23	-0.35	-7.46e-03	-0.12	-0.28	2.42e-02	-1.00	-0.12	-0.86	-0.35
73	2	403	0.12	-0.19	0.11	-0.17	-6.24e-02	0.21	-0.69	0.19	-0.66	-0.15
73	2	507	0.23	-0.35	-7.46e-03	-0.12	0.28	2.42e-02	-1.00	-0.12	-0.86	0.35
73	2	512	0.55	-0.75	0.23	-0.42	0.56	1.21	-1.09	0.10	2.25e-02	1.15
73	2	513	0.48	-0.52	8.20e-02	-0.13	0.49	0.32	-1.76	0.18	-1.62	0.51
73	2	519	0.21	-1.10	-9.02e-03	-0.88	0.49	0.71	-0.55	0.35	-0.18	0.57
73	2	521	-0.13	-1.66	-0.19	-1.60	0.28	0.19	-0.71	-6.88e-02	-0.45	0.41
73	2	527	0.65	-0.55	0.26	-0.16	0.56	0.40	-3.39	-0.23	-2.75	1.42
73	2	543	3.44e-02	-0.23	3.07e-02	-0.22	3.09e-02	-5.35e-03	-0.40	-2.13e-02	-0.38	7.76e-02
73	2	548	-8.98e-02	-1.84	-9.20e-02	-1.84	-6.24e-02	0.26	-0.32	0.23	-0.29	-0.13
73	2	549	0.12	-0.19	0.11	-0.17	6.24e-02	0.21	-0.69	0.19	-0.66	0.15
73	3	150	9.41e-04	-1.01	-3.87e-02	-0.97	-0.20	0.21	-0.49	-4.75e-03	-0.28	-0.32
73	3	152	-5.91e-03	-1.12	-7.80e-03	-1.11	4.58e-02	0.18	-0.20	0.17	-0.19	6.20e-02
73	3	156	-2.05e-02	-1.08	-2.09e-02	-1.08	2.18e-02	5.04e-02	-0.16	3.20e-02	-0.15	6.01e-02
73	3	179	0.19	-0.68	3.80e-02	-0.52	-0.33	0.47	-0.34	0.25	-0.12	-0.36
...												
73	203	549	0.11	-0.13	0.11	-0.12	4.81e-02	0.16	-0.63	0.15	-0.62	8.89e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.61	-0.44	-2.48	-1.02		-6.78	-0.61	-6.66	-1.65
			1.05		0.91	0.76	1.02	2.87		0.38	2.25	1.65

Macro	Tipo	Angolo 1-X (gradi)
74	**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
74	1	238	0.20	-6.81e-02	0.20	-6.68e-02	-1.92e-02	0.12	-7.09e-02	0.12	-7.02e-02	-1.14e-02
74	1	244	0.65	0.29	0.29	0.65	-1.92e-02	0.10	-0.27	9.83e-02	-0.27	-3.95e-02
74	1	272	3.69e-02	-8.72e-02	3.69e-02	-8.72e-02		4.17e-02	-0.14	4.17e-02	-0.14	
74	1	273	0.63	0.12	0.12	0.63		3.92e-02	-0.16	3.92e-02	-0.16	
74	1	323	0.38	-0.23	0.19	-4.46e-02	-0.28	0.32	-0.97	3.19e-02	-0.68	-0.54
74	1	345	0.34	-0.31	0.17	-0.15	-0.28	2.03e-02	-2.48	-0.16	-2.30	-0.65
74	1	384	0.30	-0.30	4.83e-02	-4.42e-02	-0.30	0.21	-0.41	0.18	-0.38	-0.13
74	1	387	0.28	-0.13	0.18	-2.31e-02	-0.18	0.12	-0.24	0.11	-0.24	2.63e-02
74	1	394	0.52	0.12	0.23	0.41	-0.18	0.18	-0.21	0.12	-0.16	0.14
74	1	400	0.35	-0.25	5.92e-02	4.66e-02	-0.30	6.17e-02	-1.50	4.81e-02	-1.48	-0.15
74	1	403	4.32e-02	-9.35e-02	2.03e-02	-7.05e-02	-5.11e-02	2.13e-02	-0.26	-2.49e-02	-0.22	-0.10

74	1	406	0.58	9.29e-02	9.83e-02	0.58	-5.11e-02	8.77e-02	-0.11	-1.61e-03	-2.16e-02	-9.88e-02
74	1	507	0.28	-0.13	0.18	-2.31e-02	0.18	0.12	-0.24	0.11	-0.24	-2.63e-02
74	1	508	0.52	0.12	0.23	0.41	0.18	0.18	-0.21	0.12	-0.16	-0.14
74	1	513	0.30	-0.30	4.83e-02	-4.42e-02	0.30	0.21	-0.41	0.18	-0.38	0.13
74	1	514	0.35	-0.25	5.92e-02	4.66e-02	0.30	6.17e-02	-1.50	4.81e-02	-1.48	0.15
74	1	515	0.34	-0.31	0.17	-0.15	0.28	2.03e-02	-2.48	-0.16	-2.30	0.65
74	1	527	0.38	-0.23	0.19	-4.46e-02	0.28	0.32	-0.97	3.19e-02	-0.68	0.54
74	1	543	0.20	-6.81e-02	0.20	-6.68e-02	1.92e-02	0.12	-7.09e-02	0.12	-7.02e-02	1.14e-02
74	1	544	0.65	0.29	0.29	0.65	1.92e-02	0.10	-0.27	9.83e-02	-0.27	3.95e-02
74	1	549	4.32e-02	-9.35e-02	2.03e-02	-7.05e-02	5.11e-02	2.13e-02	-0.26	-2.49e-02	-0.22	0.10
74	1	550	0.58	9.29e-02	9.83e-02	0.58	5.11e-02	8.77e-02	-0.11	-1.61e-03	-2.16e-02	9.88e-02
74	2	238	0.22	-0.15	0.22	-0.15	-3.23e-02	0.14	-0.16	0.14	-0.16	-1.90e-02
74	2	244	1.08	0.36	0.36	1.08	-3.23e-02	0.11	-0.45	0.10	-0.45	-5.21e-02
74	2	272	-1.40e-03	-0.18	-1.40e-03	-0.18		-7.07e-02	-0.24	-7.07e-02	-0.24	
74	2	273	1.06	0.15	0.15	1.06		-7.36e-02	-0.27	-7.36e-02	-0.27	
74	2	323	0.52	-0.43	0.21	-0.12	-0.45	0.29	-1.54	-8.98e-03	-1.24	-0.67
74	2	345	0.52	-0.45	0.21	-0.14	-0.45	1.81e-02	-2.56	-0.15	-2.40	-0.63
74	2	384	0.42	-0.49	2.88e-02	-0.10	-0.45	0.10	-0.84	9.98e-03	-0.75	-0.28
74	2	387	0.36	-0.25	0.18	-6.79e-02	-0.28	0.12	-0.37	0.12	-0.37	9.16e-03
74	2	394	0.83	0.13	0.27	0.70	-0.28	0.14	-0.46	0.11	-0.44	0.11
74	2	400	0.56	-0.35	5.95e-02	0.15	-0.45	-7.93e-02	-1.94	-0.13	-1.90	-0.30
74	2	403	1.68e-02	-0.19	-2.72e-02	-0.15	-8.46e-02	-5.42e-02	-0.42	-0.15	-0.33	-0.16
74	2	406	0.97	9.77e-02	0.11	0.96	-8.46e-02	3.77e-02	-0.27	-0.12	-0.11	-0.16
74	2	507	0.36	-0.25	0.18	-6.79e-02	0.28	0.12	-0.37	0.12	-0.37	-9.16e-03
74	2	508	0.83	0.13	0.27	0.70	0.28	0.14	-0.46	0.11	-0.44	-0.11
74	2	513	0.42	-0.49	2.88e-02	-0.10	0.45	0.10	-0.84	9.98e-03	-0.75	0.28
74	2	514	0.56	-0.35	5.95e-02	0.15	0.45	-7.93e-02	-1.94	-0.13	-1.90	0.30
74	2	515	0.52	-0.45	0.21	-0.14	0.45	1.81e-02	-2.56	-0.15	-2.40	0.63
74	2	527	0.52	-0.43	0.21	-0.12	0.45	0.29	-1.54	-8.98e-03	-1.24	0.67
74	2	543	0.22	-0.15	0.22	-0.15	3.23e-02	0.14	-0.16	0.14	-0.16	1.90e-02
74	2	544	1.08	0.36	0.36	1.08	3.23e-02	0.11	-0.45	0.10	-0.45	5.21e-02
74	2	549	1.68e-02	-0.19	-2.72e-02	-0.15	8.46e-02	-5.42e-02	-0.42	-0.15	-0.33	0.16
74	2	550	0.97	9.77e-02	0.11	0.96	8.46e-02	3.77e-02	-0.27	-0.12	-0.11	0.16
74	3	238	0.23	-7.03e-02	0.23	-6.90e-02	-1.99e-02	0.14	-6.37e-02	0.14	-6.34e-02	-8.68e-03
74	3	244	0.69	0.32	0.32	0.69	-1.99e-02	0.12	-0.27	0.11	-0.27	-3.83e-02
74	3	272	4.70e-02	-9.17e-02	4.70e-02	-9.17e-02		2.83e-02	-0.15	2.83e-02	-0.15	
74	3	273	0.67	0.14	0.14	0.67		2.68e-02	-0.16	2.68e-02	-0.16	
...												
74	203	550	0.72	0.10	0.11	0.72	6.09e-02	-1.29e-02	-0.24	-0.10	-0.15	0.11
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-0.98	-0.27	-0.75	-0.51		-4.92	-0.51	-4.90	-0.74
			1.22		0.70	1.22	0.51	2.12		0.40	1.92	0.74

Macro	Tipo	Angolo 1-X (gradi)
77	**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
77	1	389	0.45	2.71e-02	0.34	0.13	-0.18	-0.24	-0.70	-0.26	-0.68	9.43e-02
77	1	408	0.86	-0.15	0.57	0.14	-0.46	2.74	-0.12	7.17e-02	2.55	0.72
77	1	409	0.83	-0.20	0.56	7.78e-02	-0.46	0.44	-2.23	-0.40	-1.39	1.24
77	1	411	0.31	-0.56	0.27	-0.52	-0.18	-0.21	-0.32	-0.22	-0.32	-1.25e-02
77	1	417	0.41	-0.36	0.23	-0.18	-0.33	0.15	-1.21	0.15	-1.21	-1.50e-02
77	1	418	0.52	-0.15	0.26	0.11	-0.33	0.39	0.30	0.34	0.35	-4.28e-02
77	1	425	0.33	0.16	0.33	0.17	-1.85e-02	-0.21	-0.29	-0.22	-0.28	2.40e-02
77	1	447	0.22	-0.75	0.22	-0.75	-1.85e-02	-0.21	-0.35	-0.23	-0.33	4.59e-02
77	1	453	0.15	-0.71	0.15	-0.71	-4.78e-02	9.86e-02	-1.78e-02	8.22e-02	-1.31e-03	4.05e-02
77	1	454	0.27	0.12	0.25	0.14	-4.78e-02	0.12	1.89e-02	8.83e-02	4.92e-02	4.59e-02
77	1	458	0.31	-0.56	0.27	-0.52	0.18	-0.21	-0.32	-0.22	-0.32	1.25e-02
77	1	463	0.33	0.16	0.33	0.17	1.85e-02	-0.21	-0.29	-0.22	-0.28	-2.40e-02
77	1	464	0.83	-0.20	0.56	7.78e-02	0.46	0.44	-2.23	-0.40	-1.39	-1.24
77	1	475	0.15	-0.71	0.15	-0.71	4.78e-02	9.86e-02	-1.78e-02	8.22e-02	-1.31e-03	-4.05e-02
77	1	476	0.27	0.12	0.25	0.14	4.78e-02	0.12	1.89e-02	8.83e-02	4.92e-02	-4.59e-02
77	1	480	0.41	-0.36	0.23	-0.18	0.33	0.15	-1.21	0.15	-1.21	1.50e-02
77	1	483	0.52	-0.15	0.26	0.11	0.33	0.39	0.30	0.34	0.35	4.28e-02
77	1	486	0.22	-0.75	0.22	-0.75	1.85e-02	-0.21	-0.35	-0.23	-0.33	-4.59e-02
77	1	492	0.12	-0.76	0.12	-0.76		0.12	-4.14e-02	0.12	-4.14e-02	
77	1	493	0.23	0.16	0.23	0.16		0.13	5.05e-02	0.13	5.05e-02	
77	1	495	0.86	-0.15	0.57	0.14	0.46	2.74	-0.12	7.17e-02	2.55	-0.72
77	1	501	0.45	2.71e-02	0.34	0.13	0.18	-0.24	-0.70	-0.26	-0.68	-9.43e-02
77	2	389	0.71	5.40e-02	0.55	0.22	-0.29	-0.37	-1.06	-0.42	-1.02	0.17
77	2	408	1.29	-0.20	0.83	0.26	-0.68	3.66	-0.18	6.03e-02	3.42	0.93
77	2	409	1.21	-0.36	0.81	4.68e-02	-0.68	0.73	-2.30	-0.48	-1.08	1.48
77	2	411	0.48	-0.90	0.42	-0.84	-0.29	-0.36	-0.69	-0.38	-0.68	5.79e-02
77	2	417	0.60	-0.59	0.34	-0.33	-0.49	3.83e-02	-1.50	3.60e-02	-1.50	5.88e-02
77	2	418	0.80	-0.21	0.40	0.19	-0.49	0.32	0.24	0.25	0.30	3.09e-02
77	2	425	0.53	0.28	0.53	0.28	-3.09e-02	-0.35	-0.47	-0.36	-0.46	3.61e-02
77	2	447	0.35	-1.20	0.35	-1.20	-3.09e-02	-0.35	-0.56	-0.37	-0.54	6.39e-02
77	2	453	0.24	-1.14	0.23	-1.13	-7.82e-02	2.46e-02	-0.13	-1.33e-02	-9.30e-02	6.68e-02
77	2	454	0.43	0.21	0.40	0.24	-7.82e-02	9.49e-02	-5.70e-02	2.13e-03	3.58e-02	7.41e-02

77	2	458	0.48	-0.90	0.42	-0.84	0.29	-0.36	-0.69	-0.38	-0.68	-5.79e-02
77	2	463	0.53	0.28	0.53	0.28	3.09e-02	-0.35	-0.47	-0.36	-0.46	-3.61e-02
77	2	464	1.21	-0.36	0.81	4.68e-02	0.68	0.73	-2.30	-0.48	-1.08	-1.48
77	2	475	0.24	-1.14	0.23	-1.13	7.82e-02	2.46e-02	-0.13	-1.33e-02	-9.30e-02	-6.68e-02
77	2	476	0.43	0.21	0.40	0.24	7.82e-02	9.49e-02	-5.70e-02	2.13e-03	3.58e-02	-7.41e-02
77	2	480	0.60	-0.59	0.34	-0.33	0.49	3.83e-02	-1.50	3.60e-02	-1.50	-5.88e-02
77	2	483	0.80	-0.21	0.40	0.19	0.49	0.32	0.24	0.25	0.30	-3.09e-02
77	2	486	0.35	-1.20	0.35	-1.20	3.09e-02	-0.35	-0.56	-0.37	-0.54	-6.39e-02
77	2	492	0.20	-1.22	0.20	-1.22		4.36e-02	-9.10e-02	4.36e-02	-9.10e-02	
77	2	493	0.38	0.27	0.38	0.27		5.92e-02	3.89e-02	5.92e-02	3.89e-02	
77	2	495	1.29	-0.20	0.83	0.26	0.68	3.66	-0.18	6.03e-02	3.42	-0.93
77	2	501	0.71	5.40e-02	0.55	0.22	0.29	-0.37	-1.06	-0.42	-1.02	-0.17
77	3	389	0.48	3.19e-02	0.38	0.14	-0.19	-0.26	-0.75	-0.28	-0.73	0.10
77	3	408	0.91	-0.15	0.60	0.15	-0.48	2.95	-0.11	8.08e-02	2.76	0.74
77	3	409	0.88	-0.22	0.59	6.28e-02	-0.48	0.51	-2.20	-0.41	-1.29	1.28
77	3	411	0.33	-0.60	0.29	-0.56	-0.19	-0.24	-0.36	-0.24	-0.36	-3.87e-03
...												
77	203	501	0.55	4.34e-02	0.43	0.16	0.21	-0.30	-0.82	-0.33	-0.79	-0.13
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.40	-0.40	-1.40	-0.77		-4.53	-0.86	-4.26	-1.62
			1.79		1.69	1.32	0.77	5.66		0.44	5.50	1.62

Macro	Tipo	Angolo 1-X (gradi)
89	**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
89	1	189	1.17	0.37	0.37	1.17	-9.00e-03	-0.11	-0.16	-0.11	-0.16	8.38e-03
89	1	204	1.17	0.21	0.21	1.17	-1.80e-02	0.12	-0.28	2.46e-02	-0.18	0.17
89	1	223	0.17	8.14e-02	8.53e-02	0.16	-1.80e-02	0.16	-0.23	3.45e-02	-9.91e-02	0.18
89	1	224	0.69	8.15e-02	0.16	0.61	0.21	0.64	-0.69	3.87e-02	-9.23e-02	-0.66
89	1	228	0.47	0.12	0.23	0.35	0.16	0.12	-9.87e-02	-8.51e-02	0.11	5.33e-02
89	1	235	1.07	0.36	0.38	1.05	0.13	-0.11	-0.32	-0.14	-0.29	-7.21e-02
89	1	262	0.26	0.21	0.25	0.21	9.00e-03	-0.15	-0.47	-0.15	-0.47	-1.64e-03
89	1	298	1.17	0.21	0.21	1.17	1.80e-02	0.12	-0.28	2.46e-02	-0.18	-0.17
89	1	307	0.17	8.14e-02	8.53e-02	0.16	1.80e-02	0.16	-0.23	3.45e-02	-9.91e-02	-0.18
89	1	322	0.31	-9.81e-02	0.10	0.11	0.21	0.76	-0.56	6.54e-02	0.13	-0.66
89	1	326	1.17	0.37	0.37	1.17	9.00e-03	-0.11	-0.16	-0.11	-0.16	-8.38e-03
89	1	359	1.14	0.20	0.20	1.14		1.35e-02	-0.16	1.35e-02	-0.16	
89	1	366	0.19	8.15e-02	8.15e-02	0.19		2.34e-02	-7.72e-02	2.34e-02	-7.72e-02	
89	1	383	0.33	9.22e-04	0.20	0.13	0.16	3.14	0.28	0.28	3.14	-9.22e-02
89	1	398	0.35	6.80e-02	0.28	0.15	0.13	-0.24	-1.16	-0.25	-1.15	-7.04e-02
89	1	511	0.35	6.80e-02	0.28	0.15	-0.13	-0.24	-1.16	-0.25	-1.15	7.04e-02
89	1	529	0.47	0.12	0.23	0.35	-0.16	0.12	-9.87e-02	-8.51e-02	0.11	-5.33e-02
89	1	530	0.33	9.22e-04	0.20	0.13	-0.16	3.14	0.28	0.28	3.14	9.22e-02
89	1	532	1.07	0.36	0.38	1.05	-0.13	-0.11	-0.32	-0.14	-0.29	7.21e-02
89	1	538	0.69	8.15e-02	0.16	0.61	-0.21	0.64	-0.69	3.87e-02	-9.23e-02	0.66
89	1	540	0.31	-9.81e-02	0.10	0.11	-0.21	0.76	-0.56	6.54e-02	0.13	0.66
89	1	547	0.26	0.21	0.25	0.21	-9.00e-03	-0.15	-0.47	-0.15	-0.47	1.64e-03
89	2	189	1.95	0.57	0.57	1.95	-1.16e-02	-0.19	-0.30	-0.20	-0.29	2.56e-02
89	2	204	1.93	0.32	0.32	1.93	-2.25e-02	0.20	-0.46	4.00e-02	-0.30	0.29
89	2	223	0.28	0.12	0.12	0.28	-2.25e-02	0.26	-0.38	5.48e-02	-0.18	0.30
89	2	224	1.10	0.13	0.25	0.98	0.31	0.97	-1.03	9.11e-02	-0.16	-0.99
89	2	228	0.72	0.12	0.28	0.55	0.27	0.31	-0.21	-0.12	0.23	-0.19
89	2	235	1.74	0.55	0.58	1.71	0.18	-0.20	-0.55	-0.25	-0.50	-0.12
89	2	262	0.39	0.35	0.38	0.35	1.16e-02	-0.26	-0.80	-0.26	-0.80	-1.50e-02
89	2	298	1.93	0.32	0.32	1.93	2.25e-02	0.20	-0.46	4.00e-02	-0.30	-0.29
89	2	307	0.28	0.12	0.12	0.28	2.25e-02	0.26	-0.38	5.48e-02	-0.18	-0.30
89	2	322	0.47	-0.15	0.15	0.17	0.31	0.87	-1.11	7.28e-02	-0.31	-0.97
89	2	326	1.95	0.57	0.57	1.95	1.16e-02	-0.19	-0.30	-0.20	-0.29	-2.56e-02
89	2	359	1.92	0.31	0.31	1.92		2.13e-02	-0.28	2.13e-02	-0.28	
89	2	366	0.33	0.12	0.12	0.33		3.30e-02	-0.18	3.30e-02	-0.18	
89	2	383	0.49	-4.19e-02	0.24	0.21	0.27	3.64	0.22	0.28	3.58	-0.45
89	2	398	0.52	0.11	0.40	0.23	0.18	-0.38	-1.65	-0.39	-1.65	-0.11
89	2	511	0.52	0.11	0.40	0.23	-0.18	-0.38	-1.65	-0.39	-1.65	0.11
89	2	529	0.72	0.12	0.28	0.55	-0.27	0.31	-0.21	-0.12	0.23	0.19
89	2	530	0.49	-4.19e-02	0.24	0.21	-0.27	3.64	0.22	0.28	3.58	0.45
89	2	532	1.74	0.55	0.58	1.71	-0.18	-0.20	-0.55	-0.25	-0.50	0.12
89	2	538	1.10	0.13	0.25	0.98	-0.31	0.97	-1.03	9.11e-02	-0.16	0.99
89	2	540	0.47	-0.15	0.15	0.17	-0.31	0.87	-1.11	7.28e-02	-0.31	0.97
89	2	547	0.39	0.35	0.38	0.35	-1.16e-02	-0.26	-0.80	-0.26	-0.80	1.50e-02
89	3	189	1.27	0.44	0.44	1.27	-8.83e-03	-0.13	-0.17	-0.13	-0.17	3.13e-03
89	3	204	1.28	0.25	0.25	1.28	-1.75e-02	0.13	-0.30	2.99e-02	-0.19	0.18
89	3	223	0.19	0.12	0.12	0.18	-1.75e-02	0.18	-0.24	4.06e-02	-0.10	0.20
89	3	224	0.76	0.10	0.19	0.66	0.23	0.71	-0.79	1.76e-02	-9.36e-02	-0.75
...												
89	203	547	0.39	0.28	0.39	0.28	-8.25e-03	-0.21	-0.61	-0.21	-0.61	-7.32e-03
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-0.66	-0.49	-0.62	-0.57		-2.26	-0.53	-2.25	-2.01
			2.35		1.06	2.34	0.57	8.50		0.84	8.49	2.01

Macro	Tipo	Angolo 1-X (gradi)
90	**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
90	1	185	-0.16	-1.32	-0.17	-1.31	-8.98e-02	0.13	-0.23	7.80e-02	-0.18	-0.12
90	1	186	3.22e-02	-0.17	-2.38e-02	-0.11	8.98e-02	9.09e-02	-0.37	5.94e-02	-0.33	0.12
90	1	197	3.22e-02	-0.17	-2.38e-02	-0.11	-8.98e-02	9.09e-02	-0.37	5.94e-02	-0.33	-0.12
90	1	255	-2.54e-02	-0.16	-4.56e-02	-0.14	-4.80e-02	-4.46e-02	-0.33	-4.47e-02	-0.33	-6.18e-03
90	1	276	-0.14	-1.21	-0.21	-1.15	-0.25	7.23e-02	-0.36	-2.39e-02	-0.26	-0.18
90	1	311	-0.16	-1.32	-0.17	-1.31	8.98e-02	0.13	-0.23	7.80e-02	-0.18	0.12
90	1	321	-0.18	-1.32	-0.19	-1.32	4.80e-02	-1.89e-02	-0.16	-2.43e-02	-0.16	2.72e-02
90	1	420	0.17	-0.33	-7.74e-02	-8.05e-02	0.25	-3.57e-02	-0.81	-8.40e-02	-0.76	0.19
90	1	431	0.10	-0.87	-0.13	-0.64	-0.42	0.45	-0.50	6.79e-02	-0.13	-0.46
90	1	433	0.19	-0.63	-0.14	-0.30	0.40	0.43	-0.45	-2.98e-02	1.06e-02	0.44
90	1	435	0.33	-0.50	-6.85e-02	-0.10	0.42	0.29	-0.84	1.54e-02	-0.56	0.48
90	1	445	-4.21e-03	-0.15	-4.21e-03	-0.15		3.77e-02	-0.16	3.77e-02	-0.16	
90	1	461	0.10	-0.87	-0.13	-0.64	0.42	0.45	-0.50	6.79e-02	-0.13	0.46
90	1	467	0.27	-0.54	-0.12	-0.15	-0.40	0.64	-0.48	-1.06e-02	0.17	-0.55
90	1	468	-0.14	-1.21	-0.21	-1.15	0.25	7.23e-02	-0.36	-2.39e-02	-0.26	0.18
90	1	482	-0.14	-1.31	-0.14	-1.31		3.70e-02	-0.16	3.70e-02	-0.16	
90	1	499	0.27	-0.54	-0.12	-0.15	0.40	0.64	-0.48	-1.06e-02	0.17	0.55
90	1	505	0.19	-0.63	-0.14	-0.30	-0.40	0.43	-0.45	-2.98e-02	1.06e-02	-0.44
90	1	506	0.33	-0.50	-6.85e-02	-0.10	-0.42	0.29	-0.84	1.54e-02	-0.56	-0.48
90	1	509	0.17	-0.33	-7.74e-02	-8.05e-02	-0.25	-3.57e-02	-0.81	-8.40e-02	-0.76	-0.19
90	1	541	-0.18	-1.32	-0.19	-1.32	-4.80e-02	-1.89e-02	-0.16	-2.43e-02	-0.16	-2.72e-02
90	1	552	-2.54e-02	-0.16	-4.56e-02	-0.14	4.80e-02	-4.46e-02	-0.33	-4.47e-02	-0.33	6.18e-03
90	2	185	-0.27	-2.24	-0.28	-2.23	-0.14	0.20	-0.39	0.11	-0.30	-0.20
90	2	186	3.94e-02	-0.28	-3.82e-02	-0.20	0.14	0.13	-0.67	7.73e-02	-0.62	0.20
90	2	197	3.94e-02	-0.28	-3.82e-02	-0.20	-0.14	0.13	-0.67	7.73e-02	-0.62	-0.20
90	2	255	-5.70e-02	-0.28	-8.39e-02	-0.25	-7.27e-02	-7.18e-02	-0.56	-7.19e-02	-0.56	-7.63e-03
90	2	276	-0.26	-2.01	-0.34	-1.92	-0.38	0.13	-0.62	-4.36e-02	-0.44	-0.32
90	2	311	-0.27	-2.24	-0.28	-2.23	0.14	0.20	-0.39	0.11	-0.30	0.20
90	2	321	-0.32	-2.27	-0.33	-2.27	7.27e-02	-3.11e-02	-0.29	-3.83e-02	-0.28	4.20e-02
90	2	420	0.25	-0.52	-0.13	-0.14	0.38	-5.46e-02	-1.47	-0.15	-1.37	0.36
90	2	431	0.14	-1.39	-0.19	-1.05	-0.63	0.74	-0.87	4.30e-02	-0.17	-0.79
90	2	433	0.28	-0.96	-0.19	-0.49	0.60	0.58	-0.49	-4.48e-02	0.13	0.53
90	2	435	0.51	-0.76	-8.50e-02	-0.16	0.63	0.64	-1.07	1.11e-02	-0.44	0.83
90	2	445	-7.27e-03	-0.27	-7.27e-03	-0.27		4.96e-02	-0.26	4.96e-02	-0.26	
90	2	461	0.14	-1.39	-0.19	-1.05	0.63	0.74	-0.87	4.30e-02	-0.17	0.79
90	2	467	0.40	-0.81	-0.16	-0.25	-0.60	1.67	-0.16	0.11	1.41	-0.65
90	2	468	-0.26	-2.01	-0.34	-1.92	0.38	0.13	-0.62	-4.36e-02	-0.44	0.32
90	2	482	-0.25	-2.26	-0.25	-2.26		4.74e-02	-0.28	4.74e-02	-0.28	
90	2	499	0.40	-0.81	-0.16	-0.25	0.60	1.67	-0.16	0.11	1.41	0.65
90	2	505	0.28	-0.96	-0.19	-0.49	-0.60	0.58	-0.49	-4.48e-02	0.13	-0.53
90	2	506	0.51	-0.76	-8.50e-02	-0.16	-0.63	0.64	-1.07	1.11e-02	-0.44	-0.83
90	2	509	0.25	-0.52	-0.13	-0.14	-0.38	-5.46e-02	-1.47	-0.15	-1.37	-0.36
90	2	541	-0.32	-2.27	-0.33	-2.27	-7.27e-02	-3.11e-02	-0.29	-3.83e-02	-0.28	-4.20e-02
90	2	552	-5.70e-02	-0.28	-8.39e-02	-0.25	7.27e-02	-7.18e-02	-0.56	-7.19e-02	-0.56	7.63e-03
90	3	185	-0.19	-1.42	-0.19	-1.41	-9.53e-02	0.14	-0.24	9.20e-02	-0.19	-0.13
90	3	186	2.23e-02	-0.19	-3.88e-02	-0.13	9.53e-02	0.12	-0.34	7.86e-02	-0.30	0.12
90	3	197	2.23e-02	-0.19	-3.88e-02	-0.13	-9.53e-02	0.12	-0.34	7.86e-02	-0.30	-0.12
90	3	255	-4.64e-02	-0.18	-7.00e-02	-0.16	-5.13e-02	-5.07e-02	-0.36	-5.14e-02	-0.35	-1.53e-02
...												
90	203	552	-7.54e-02	-0.23	-0.10	-0.20	5.68e-02	-5.99e-02	-0.43	-6.13e-02	-0.43	2.27e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-2.77	-0.48	-2.77	-0.79		-3.92	-0.48	-3.78	-1.60
			0.57		0.03	-0.05	0.79	3.03		0.28	2.50	1.60

Macro	Tipo	Angolo 1-X (gradi)
91	**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
91	1	143	0.80	-2.90e-02	-2.72e-02	0.80	3.81e-02	-0.13	-0.24	-0.13	-0.24	2.99e-03
91	1	176	0.48	-0.31	-5.00e-02	0.22	-0.37	0.20	-0.40	-0.25	5.57e-02	-0.26
91	1	186	-2.12e-02	-0.19	-0.11	-9.74e-02	8.42e-02	-0.13	-0.24	-0.19	-0.18	5.45e-02
91	1	187	0.74	-2.46e-02	-1.51e-02	0.73	8.42e-02	-0.17	-0.35	-0.21	-0.32	6.70e-02
91	1	197	-2.12e-02	-0.19	-0.11	-9.74e-02	-8.42e-02	-0.13	-0.24	-0.19	-0.18	-5.45e-02
91	1	255	-8.97e-02	-0.17	-0.14	-0.12	-3.81e-02	-0.12	-0.16	-0.12	-0.16	1.77e-03
91	1	274	0.80	-2.90e-02	-2.72e-02	0.80	-3.81e-02	-0.13	-0.24	-0.13	-0.24	-2.99e-03
91	1	420	0.11	-0.35	-0.16	-7.38e-02	0.23	-0.12	-0.41	-0.17	-0.36	0.11

91	1	423	0.63	-0.16	-8.34e-02	0.56	0.23	-0.17	-0.78	-0.21	-0.74	0.15
91	1	429	0.74	-2.46e-02	-1.51e-02	0.73	-8.42e-02	-0.17	-0.35	-0.21	-0.32	-6.70e-02
91	1	435	0.29	-0.46	-8.64e-02	-8.16e-02	0.37	-9.16e-03	-0.58	-0.29	-0.29	0.28
91	1	441	0.48	-0.31	-5.00e-02	0.22	0.37	0.20	-0.40	-0.25	5.57e-02	0.26
91	1	443	0.35	-0.46	-8.93e-02	-1.37e-02	0.40	1.46	9.11e-02	0.10	1.44	-0.13
91	1	445	-0.10	-0.13	-0.10	-0.13		-9.39e-02	-0.17	-0.17	-9.39e-02	
91	1	448	0.82	9.76e-03	9.76e-03	0.82		-6.84e-02	-0.17	-0.17	-6.84e-02	
91	1	467	0.29	-0.51	-0.10	-0.12	-0.40	8.95e-02	-7.96e-02	-6.10e-02	7.09e-02	-5.30e-02
91	1	499	0.29	-0.51	-0.10	-0.12	0.40	8.95e-02	-7.96e-02	-6.10e-02	7.09e-02	5.30e-02
91	1	506	0.29	-0.46	-8.64e-02	-8.16e-02	-0.37	-9.16e-03	-0.58	-0.29	-0.29	-0.28
91	1	509	0.11	-0.35	-0.16	-7.38e-02	-0.23	-0.12	-0.41	-0.17	-0.36	-0.11
91	1	534	0.63	-0.16	-8.34e-02	0.56	-0.23	-0.17	-0.78	-0.21	-0.74	-0.15
91	1	542	0.35	-0.46	-8.93e-02	-1.37e-02	-0.40	1.46	9.11e-02	0.10	1.44	0.13
91	1	552	-8.97e-02	-0.17	-0.14	-0.12	3.81e-02	-0.12	-0.16	-0.12	-0.16	-1.77e-03
91	2	143	1.32	-5.89e-02	-5.58e-02	1.31	6.57e-02	-0.18	-0.42	-0.18	-0.42	1.03e-02
91	2	176	0.79	-0.46	-7.05e-02	0.40	-0.58	0.45	-0.48	-0.26	0.22	-0.40
91	2	186	-4.05e-02	-0.33	-0.19	-0.17	0.14	-0.19	-0.39	-0.27	-0.32	9.71e-02
91	2	187	1.21	-4.80e-02	-3.14e-02	1.19	0.14	-0.25	-0.57	-0.30	-0.52	0.11
91	2	197	-4.05e-02	-0.33	-0.19	-0.17	-0.14	-0.19	-0.39	-0.27	-0.32	-9.71e-02
91	2	255	-0.16	-0.29	-0.24	-0.22	-6.57e-02	-0.17	-0.27	-0.17	-0.27	1.67e-03
91	2	274	1.32	-5.89e-02	-5.58e-02	1.31	-6.57e-02	-0.18	-0.42	-0.18	-0.42	-1.03e-02
91	2	420	0.17	-0.56	-0.26	-0.13	0.36	-0.17	-0.71	-0.24	-0.64	0.19
91	2	423	1.02	-0.25	-0.14	0.91	0.36	-0.26	-1.25	-0.31	-1.20	0.21
91	2	429	1.21	-4.80e-02	-3.14e-02	1.19	-0.14	-0.25	-0.57	-0.30	-0.52	-0.11
91	2	435	0.44	-0.71	-0.13	-0.13	0.58	0.17	-0.72	-0.31	-0.24	0.44
91	2	441	0.79	-0.46	-7.05e-02	0.40	0.58	0.45	-0.48	-0.26	0.22	0.40
91	2	443	0.59	-0.67	-0.11	3.32e-02	0.62	2.60	0.23	0.24	2.60	-0.12
91	2	445	-0.18	-0.23	-0.18	-0.23		-0.15	-0.23	-0.23	-0.15	
91	2	448	1.35	8.08e-03	8.08e-03	1.35		-0.12	-0.22	-0.22	-0.12	
91	2	467	0.46	-0.79	-0.14	-0.19	-0.62	0.64	-1.10e-02	-4.26e-04	0.63	-8.28e-02
91	2	499	0.46	-0.79	-0.14	-0.19	0.62	0.64	-1.10e-02	-4.26e-04	0.63	8.28e-02
91	2	506	0.44	-0.71	-0.13	-0.13	-0.58	0.17	-0.72	-0.31	-0.24	-0.44
91	2	509	0.17	-0.56	-0.26	-0.13	-0.36	-0.17	-0.71	-0.24	-0.64	-0.19
91	2	534	1.02	-0.25	-0.14	0.91	-0.36	-0.26	-1.25	-0.31	-1.20	-0.21
91	2	542	0.59	-0.67	-0.11	3.32e-02	-0.62	2.60	0.23	0.24	2.60	0.12
91	2	552	-0.16	-0.29	-0.24	-0.22	6.57e-02	-0.17	-0.27	-0.17	-0.27	-1.67e-03
91	3	143	0.85	-4.64e-02	-4.46e-02	0.85	3.93e-02	-0.16	-0.28	-0.17	-0.27	9.01e-03
91	3	176	0.51	-0.34	-6.17e-02	0.23	-0.40	-5.79e-02	-0.58	-0.37	-0.27	-0.26
91	3	186	-3.24e-02	-0.21	-0.13	-0.11	8.78e-02	-0.14	-0.28	-0.25	-0.17	6.06e-02
91	3	187	0.79	-3.52e-02	-2.58e-02	0.78	8.78e-02	-0.19	-0.35	-0.26	-0.28	7.67e-02
...												
91	203	552	-0.14	-0.24	-0.21	-0.17	4.64e-02	-0.18	-0.22	-0.19	-0.21	7.92e-03
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.01	-0.37	-0.30	-0.75		-2.36	-0.69	-2.34	-0.82
			1.54		0.06	1.54	0.75	3.84		0.32	3.84	0.82

Macro	Tipo	Angolo 1-X (gradi)
94	**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
94	1	191	0.11	-0.57	0.11	-0.57	-1.24e-02	-0.10	-0.33	-0.12	-0.32	5.37e-02
94	1	217	9.35e-02	-0.54	9.15e-02	-0.54	-3.52e-02	8.87e-02	-3.77e-02	3.79e-02	1.30e-02	6.20e-02
94	1	223	0.20	0.12	0.17	0.14	-3.52e-02	7.08e-02	-8.29e-02	3.12e-02	-4.33e-02	6.73e-02
94	1	237	0.18	-0.45	0.15	-0.41	0.14	-5.17e-02	-0.23	-8.93e-02	-0.19	7.33e-02
94	1	262	0.20	0.16	0.19	0.16	1.24e-02	-9.67e-02	-0.22	-0.10	-0.22	-2.76e-02
94	1	265	0.56	-0.18	0.35	2.12e-02	0.33	0.17	-2.72	-0.37	-2.18	-1.12
94	1	301	9.35e-02	-0.54	9.15e-02	-0.54	3.52e-02	8.87e-02	-3.77e-02	3.79e-02	1.30e-02	-6.20e-02
94	1	307	0.20	0.12	0.17	0.14	3.52e-02	7.08e-02	-8.29e-02	3.12e-02	-4.33e-02	-6.73e-02
94	1	313	0.28	-0.31	0.14	-0.17	0.25	0.11	-1.49	0.11	-1.49	-1.52e-02
94	1	322	0.39	-0.12	0.17	9.79e-02	0.25	0.30	9.16e-02	0.30	9.16e-02	4.22e-03
94	1	339	0.11	-0.57	0.11	-0.57	1.24e-02	-0.10	-0.33	-0.12	-0.32	-5.37e-02
94	1	360	7.19e-02	-0.57	7.19e-02	-0.57		7.47e-02	-0.12	7.47e-02	-0.12	
94	1	366	0.16	0.16	0.16	0.16		8.64e-02	-2.61e-02	8.64e-02	-2.61e-02	
94	1	383	0.60	-0.11	0.37	0.13	0.33	1.74	-0.26	6.48e-02	1.42	-0.73
94	1	398	0.31	1.09e-02	0.21	0.11	0.14	-0.12	-0.53	-0.13	-0.53	-5.15e-02
94	1	511	0.31	1.09e-02	0.21	0.11	-0.14	-0.12	-0.53	-0.13	-0.53	5.15e-02
94	1	530	0.60	-0.11	0.37	0.13	-0.33	1.74	-0.26	6.48e-02	1.42	0.73
94	1	531	0.56	-0.18	0.35	2.12e-02	-0.33	0.17	-2.72	-0.37	-2.18	1.12
94	1	533	0.18	-0.45	0.15	-0.41	-0.14	-5.17e-02	-0.23	-8.93e-02	-0.19	-7.33e-02
94	1	539	0.28	-0.31	0.14	-0.17	-0.25	0.11	-1.49	0.11	-1.49	1.52e-02
94	1	540	0.39	-0.12	0.17	9.79e-02	-0.25	0.30	9.16e-02	0.30	9.16e-02	-4.22e-03
94	1	547	0.20	0.16	0.19	0.16	-1.24e-02	-9.67e-02	-0.22	-0.10	-0.22	2.76e-02
94	2	191	0.15	-0.93	0.15	-0.93	-2.16e-02	-0.19	-0.54	-0.20	-0.53	7.29e-02
94	2	217	0.14	-0.87	0.13	-0.87	-5.80e-02	3.74e-02	-0.16	-6.08e-02	-6.42e-02	9.99e-02
94	2	223	0.31	0.19	0.27	0.23	-5.80e-02	3.03e-02	-0.19	-6.40e-02	-9.10e-02	0.11
94	2	237	0.26	-0.72	0.21	-0.67	0.22	-0.18	-0.50	-0.18	-0.49	2.03e-02
94	2	262	0.30	0.26	0.29	0.27	2.16e-02	-0.17	-0.38	-0.18	-0.37	-4.26e-02
94	2	265	0.79	-0.33	0.48	-2.10e-02	0.50	0.23	-2.89	-0.43	-2.23	-1.27
94	2	301	0.14	-0.87	0.13	-0.87	5.80e-02	3.74e-02	-0.16	-6.08e-02	-6.42e-02	-9.99e-02

94	2	307	0.31	0.19	0.27	0.23	5.80e-02	3.03e-02	-0.19	-6.40e-02	-9.10e-02	-0.11
94	2	313	0.40	-0.50	0.20	-0.30	0.38	-3.80e-02	-1.91	-4.55e-02	-1.91	-0.12
94	2	322	0.58	-0.18	0.25	0.15	0.38	0.20	-0.15	0.17	-0.12	-9.91e-02
94	2	339	0.15	-0.93	0.15	-0.93	2.16e-02	-0.19	-0.54	-0.20	-0.53	-7.29e-02
94	2	360	0.11	-0.93	0.11	-0.93		-1.75e-02	-0.22	-1.75e-02	-0.22	
94	2	366	0.27	0.25	0.25	0.27		-1.43e-03	-8.35e-02	-1.43e-03	-8.35e-02	
94	2	383	0.87	-0.17	0.51	0.20	0.50	2.05	-0.40	3.27e-02	1.62	-0.94
94	2	398	0.47	1.26e-02	0.31	0.18	0.22	-0.20	-0.77	-0.21	-0.75	-9.58e-02
94	2	511	0.47	1.26e-02	0.31	0.18	-0.22	-0.20	-0.77	-0.21	-0.75	9.58e-02
94	2	530	0.87	-0.17	0.51	0.20	-0.50	2.05	-0.40	3.27e-02	1.62	0.94
94	2	531	0.79	-0.33	0.48	-2.10e-02	-0.50	0.23	-2.89	-0.43	-2.23	1.27
94	2	533	0.26	-0.72	0.21	-0.67	-0.22	-0.18	-0.50	-0.18	-0.49	-2.03e-02
94	2	539	0.40	-0.50	0.20	-0.30	-0.38	-3.80e-02	-1.91	-4.55e-02	-1.91	0.12
94	2	540	0.58	-0.18	0.25	0.15	-0.38	0.20	-0.15	0.17	-0.12	9.91e-02
94	2	547	0.30	0.26	0.29	0.27	-2.16e-02	-0.17	-0.38	-0.18	-0.37	4.26e-02
94	3	191	0.17	-0.61	0.17	-0.61	-1.27e-02	-0.13	-0.35	-0.14	-0.34	5.36e-02
94	3	217	0.13	-0.58	0.13	-0.58	-3.79e-02	6.85e-02	-6.61e-02	2.07e-02	-1.83e-02	6.44e-02
94	3	223	0.23	0.14	0.21	0.15	-3.79e-02	6.08e-02	-9.13e-02	1.72e-02	-4.77e-02	6.88e-02
94	3	237	0.25	-0.47	0.21	-0.43	0.15	-0.10	-0.30	-0.13	-0.28	6.02e-02
...												
94	203	547	0.33	0.22	0.33	0.22	-1.51e-02	-0.17	-0.29	-0.17	-0.28	2.60e-02
M_G			**N max**	**N min**	**N 1**	**N 2**	**N 1-2**	**M max**	**M min**	**M 1**	**M 2**	**M 1-2**
				-1.08	-0.11	-1.08	-0.72		-4.57	-0.68	-4.39	-1.36
			1.18		1.07	0.86	0.72	4.05		0.33	3.86	1.36

VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

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

Per le pareti in c.a. progettate in ottemperanza al cap. 7 del DM 14-01-08 vengono riportate 4 tabelle. In particolare per ogni parete si riportano:

- una tabella riassuntiva della geometria e dello stato di verifica per compressione assiale, pressoflessione e taglio
- una tabella nella quale, per ogni quota significativa, si riporta l' armatura verticale di base e della zona confinata, l' armatura orizzontale, l' esito delle 5 verifiche condotte, lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di inviluppo di taglio e momento
- una tabella nella quale, per ogni quota significativa, si riportano le azioni che hanno reso massimo il valore delle 5 verifiche condotte (in particolare le verifiche a taglio sono influenzate dal valore dello sforzo assiale e del momento). Le azioni derivate dall' analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1 : traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale
- una tabella riassuntiva dei parametri utilizzati per le verifiche a taglio per ogni quota significativa.

Tabella 1	
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento
H critica V	Altezza come da punto 7.4.6.1.4 per la definizione della zona critica e zona confinata
L totale	Larghezza di base della parete
L confinata	Larghezza della zona confinata
Verif. N	Verifica di cui al punto 7.4.4.5.2.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.2.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.2
Verif. V	Verifica di cui al punto 7.4.4.5.2.2 taglio (compressione cls, trazione acciaio, scorrimento in zona critica)
Tabella 2	
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
M invil	Inviluppo del momento come al punto 7.4.4.5.1 (informativo)
V invil	Inviluppo del taglio come al punto 7.4.4.5.1 (informativo)
Tabella 3	
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e
Tabella 4	
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 [7.4.19]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vfd	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]

Nel caso dei gusci e nel caso in cui la progettazione della parete sia integrata o effettuata del tutto con progettazione locale si produce una tabella nella quale vengono riportati per ogni macroelemento il numero dello stesso ed il codice di verifica.
Per la progettazione con il metodo degli stati limite vengono riportati il rapporto x/d, la verifica per sollecitazioni ultime e la verifica per compressione media con l'indicazione delle due combinazioni in cui si sono attinti i rispettivi valori.
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.
Per ogni elemento viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso (diametri in mm, passi in cm). Le quantità di armature necessarie
sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

In particolare i simboli utilizzati assumono il seguente significato:

M_S	macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
M_G	macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Stato	codice di verifica dell'elemento
Nodo	numero del nodo
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto Sd/Su con sollecitazioni ultime ~~proporzionali~~: valore minore o uguale a 1 per verifica positiva
Ver.rd	rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd): valore minore o uguale a 1 per verifica positiva
Rete pr	maglia di armatura (diametro/passo) in direzione principale inferiore e superiore

Rete sec		maglia di armatura (diametro/passo) in direzione secondaria inferiore e superiore
Aggiuntivi		relativa armatura aggiuntiva (diametro/passo) inferiore (i) e superiore (s) eventualmente differenziate
sc max		massima tensione di compressione del calcestruzzo
sc med		massima tensione media di compressione del calcestruzzo
sf max		massima tensione dell'acciaio
Rif. cmb		combinazioni di carico in cui si verificano i valori riportati
Af pr-		quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr+		quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	**Af sec+**	valori analoghi a quelli sopraripportati ma relativi alla armatura secondaria
N	**M**	azioni membranali e flessionali (in direzione dell'armatura principale e secondaria) estratte, poiché rappresentative, tra quelle utilizzate per il progetto e la verifica

Setto	Stato	Nodo	x/d	verif.	ver. rid	Rif. cmb	Af pr-	Af pr+	Af sec-	Af sec+	Rete pr + Aggiuntivi	Rete sec + Aggiuntivi
1	ok	25	0.41	0.03	5.74e-03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		35	0.41	0.24	0.06	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		14	0.41	0.24	0.06	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		34	0.41	0.11	3.17e-03	44,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
2	ok	36	0.32	0.08	0.03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		37	0.32	0.06	7.89e-03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		3	0.32	0.14	2.89e-03	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		28	0.32	0.08	0.03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
3	ok	1	0.41	0.03	7.60e-03	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		2	0.41	0.25	0.07	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		4	0.41	0.25	0.07	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		37	0.41	0.03	8.10e-03	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
4	ok	37	0.41	0.06	7.85e-03	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		4	0.41	0.30	0.09	44,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		24	0.41	0.29	0.09	44,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		3	0.41	0.16	2.95e-03	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
5	ok	17	0.32	0.05	0.02	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		1	0.32	0.03	7.97e-03	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		37	0.32	0.03	8.65e-03	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		36	0.32	0.05	0.02	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
10	ok	23	0.32	0.04	0.02	44,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		22	0.32	0.04	0.02	48,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		15	0.32	0.04	0.02	44,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		6	0.32	0.04	0.02	44,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
11	ok	10	0.32	0.12	9.28e-03	44,44	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		28	0.32	0.08	0.03	44,44	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		36	0.09	0.08	0.04	44,44	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		22	0.32	0.08	9.94e-03	44,44	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
12	ok	22	0.32	0.04	0.02	44,44	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		36	0.09	0.05	0.02	44,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		17	0.09	0.05	0.02	44,48	1.0	0.0	1.0	0.0	5/20+(8/0 i 8/0 s)	5/20+(8/0 i 8/0 s)
		15	0.32	0.04	0.02	44,44	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
13	ok	23	0.32	0.07	0.02	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		25	0.32	0.02	4.80e-03	44,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		34	0.32	0.08	2.67e-03	44,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		18	0.32	0.07	0.02	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
14	ok	18	0.32	0.06	0.02	48,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		10	0.32	0.11	5.92e-03	48,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		22	0.32	0.02	8.71e-03	48,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
		23	0.32	0.06	0.03	48,48	3.5	0.0	1.0	0.0	5/20+(8/20 i 8/0 s)	5/20+(8/0 i 8/0 s)
18	ok	6	0.32	0.04	0.02	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		27	0.32	0.04	6.07e-03	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		25	0.32	0.04	6.43e-03	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		23	0.32	0.05	0.02	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
19	ok	27	0.41	0.04	5.67e-03	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		9	0.41	0.21	0.06	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		35	0.41	0.21	0.06	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
		25	0.41	0.04	6.03e-03	48,48	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
21	ok	78	0.32	0.04	0.02	48,44	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
...												
504	ok	383	0.41	0.02	1.81e-03	48,47	3.6	0.0	1.0	0.0	5/20+(8/19 i 8/0 s)	5/20+(8/0 i 8/0 s)
Setto			**x/d**	**verif.**	**ver. rid**		**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**		
			0.41	0.32	0.09		3.57	0.0	0.98	0.0		

Guscio	Stato	Nodo	x/d	verif.	ver. rid	Rif. cmb	Af pr-	Af pr+	Af sec-	Af sec+	Rete pr + Aggiuntivi	Rete sec + Aggiuntivi
6	ok	18	0.18	0.18	5.77e-03	84,70	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		34	0.18	0.21	0.01	93,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		12	0.18	0.21	0.01	93,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		10	0.18	0.16	4.10e-03	84,91	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
7	ok	15	0.18	0.04	4.91e-03	96,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		7	0.18	0.05	3.29e-03	93,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		1	0.18	0.05	3.41e-03	93,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		17	0.18	0.04	4.97e-03	96,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
8	ok	27	0.18	0.06	3.47e-03	81,89	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		9	0.18	0.05	2.59e-03	68,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		8	0.18	0.05	3.23e-03	81,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		7	0.18	0.06	3.45e-03	81,95	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
9	ok	7	0.18	0.03	1.30e-03	69,65	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		8	0.18	0.04	4.12e-03	65,71	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		2	0.18	0.04	4.04e-03	65,71	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		1	0.18	0.03	1.66e-03	93,65	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
15	ok	10	0.18	0.12	4.84e-03	71,70	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		12	0.18	0.13	8.79e-03	91,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		3	0.18	0.13	8.27e-03	91,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		28	0.18	0.12	3.81e-03	71,70	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
16	ok	34	0.18	0.20	0.01	93,96	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		14	0.18	0.15	6.22e-03	65,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)

		16	0.18	0.08	3.47e-03	90,71	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		12	0.18	0.20	0.01	93,96	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
17	ok	12	0.18	0.11	7.53e-03	81,96	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		16	0.18	0.10	7.35e-03	65,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		24	0.18	0.11	6.82e-03	65,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		3	0.18	0.12	7.37e-03	81,96	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
20	ok	6	0.18	0.06	3.39e-03	96,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		27	0.18	0.07	5.37e-03	90,91	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		7	0.18	0.07	5.14e-03	65,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		15	0.18	0.05	3.20e-03	84,93	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
26	ok	28	0.18	0.09	4.02e-03	83,70	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		3	0.18	0.08	5.55e-03	91,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		56	0.18	0.08	5.89e-03	93,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		54	0.18	0.09	4.34e-03	83,90	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
27	ok	59	0.18	0.06	5.16e-03	72,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		51	0.18	0.05	3.94e-03	93,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		45	0.18	0.05	3.97e-03	93,96	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
		61	0.18	0.06	5.19e-03	68,81	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
28	ok	1	0.18	0.03	2.43e-03	89,85	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		2	0.18	0.06	5.67e-03	65,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		52	0.18	0.06	5.76e-03	65,68	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		51	0.18	0.03	2.47e-03	93,93	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
29	ok	51	0.18	0.02	1.46e-03	93,80	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		52	0.18	0.06	6.55e-03	65,71	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		46	0.18	0.06	6.52e-03	65,71	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
		45	0.18	0.02	1.40e-03	89,80	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
33	ok	77	0.18	0.12	3.81e-03	80,77	2.0	0.0	2.0	0.0	5/20+(8/48 i 8/0 s)	5/20+(8/48 i 8/0 s)
...												
501	ok	383	0.18	0.03	1.42e-03	81,87	1.6	0.0	1.6	0.0	5/20+(8/88 i 8/0 s)	5/20+(8/88 i 8/0 s)
Guscio			**x/d**	**verif.**	**ver. rid**		**Af pr-**	**Af pr+**	**Af sec-**	**Af sec+**		
			0.18	0.21	0.01		2.02	0.0	2.02	0.0		

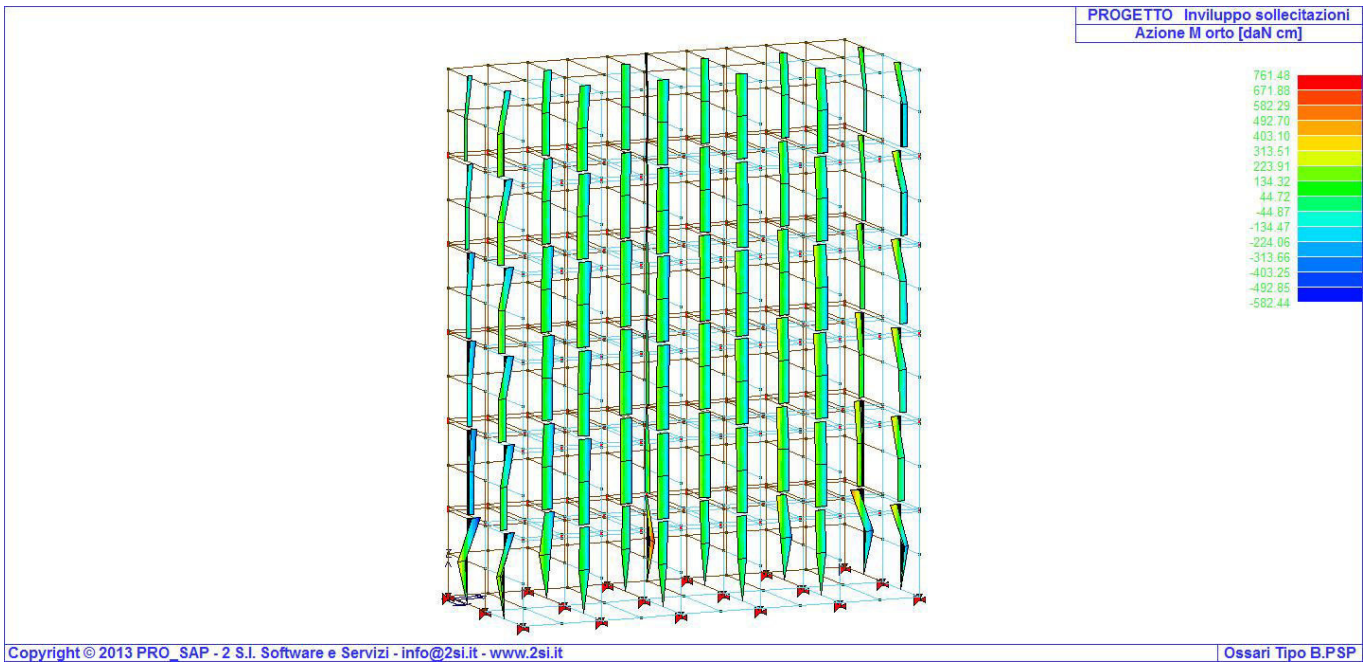


Fig. 6

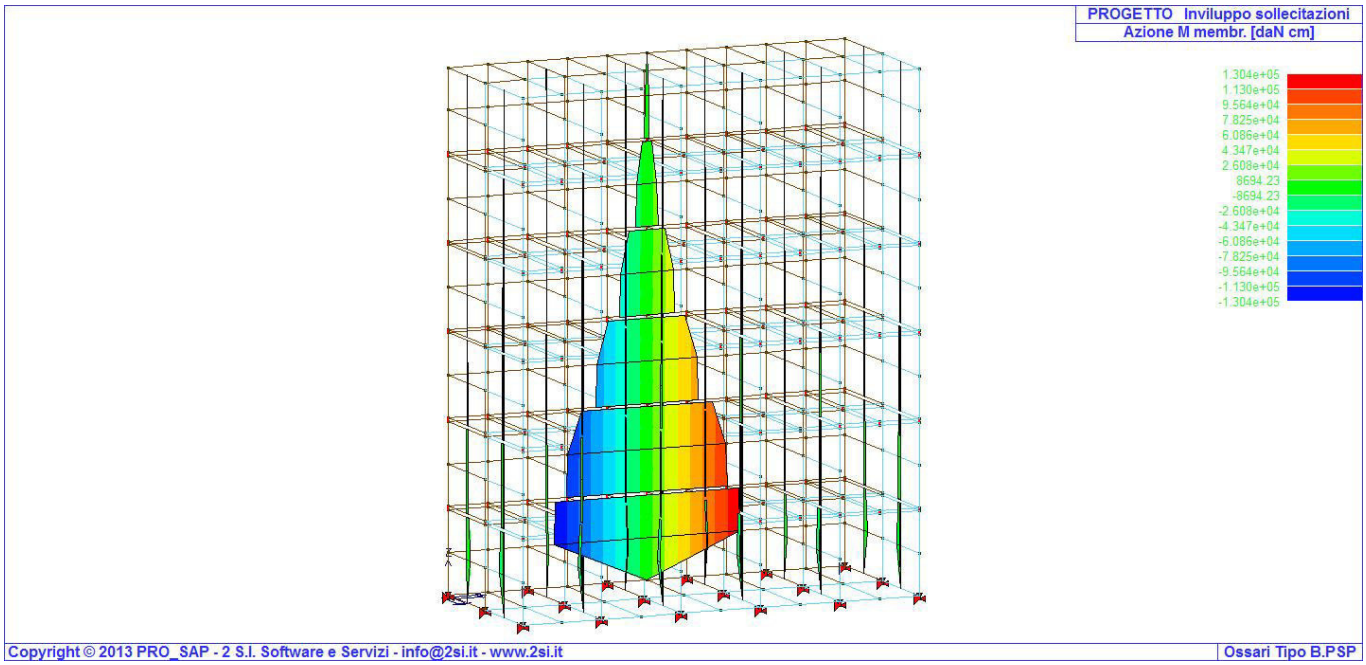

PROGETTO Inviluppo sollecitazioni
Azione M membr. [daN cm]
1.304e+05
1.130e+05
9.564e+04
7.825e+04
6.086e+04
4.347e+04
2.608e+04
8694.23
-8694.23
-2.608e+04
-4.347e+04
-6.086e+04
-7.825e+04
-9.564e+04
-1.130e+05
-1.304e+05
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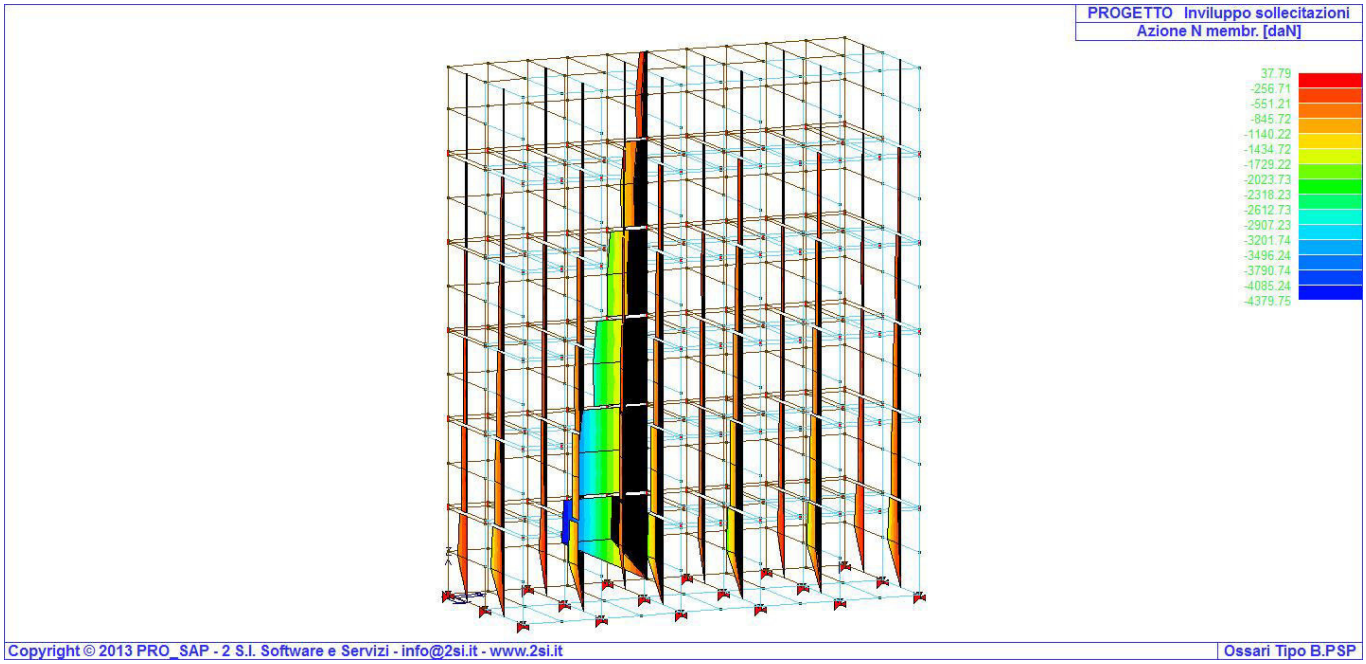
Fig. 7


PROGETTO Inviluppo sollecitazioni
Azione N membr. [daN]
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-256.71
-551.21
-845.72
-1140.22
-1434.72
-1729.22
-2023.73
-2318.23
-2612.73
-2907.23
-3201.74
-3496.24
-3790.74
-4085.24
-4379.75
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Fig. 8

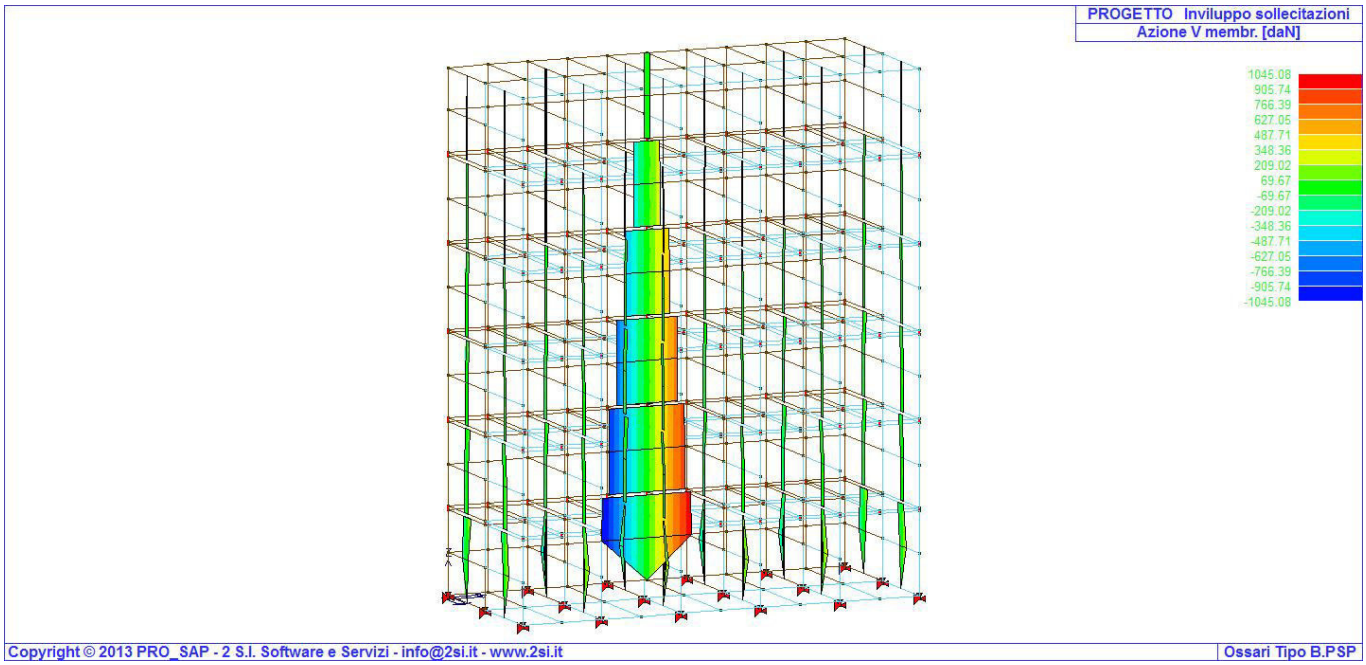
PROGETTO Inviluppo sollecitazioni
Azione V membr. [daN]
1045.08
905.74
766.39
627.05
487.71
348.36
209.02
69.67
-69.67
-209.02
-348.36
-487.71
-627.05
-766.39
-905.74
-1045.08
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Fig. 9

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

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

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
1	0.05	0.09	0.06	160,156,203	0.08	0.07	0.07	156,180,203
2	0.02	0.11	0.02	156,160,203	0.09	0.09	0.09	140,195,203
3	0.04	0.03	0.05	160,160,203	3.05e-04	2.08e-04	1.55e-04	160,184,203
4	0.05	0.13	0.06	160,160,203	0.10	0.09	0.08	156,195,203
5	0.01	8.04e-03	0.01	160,156,203	0.0	0.0	0.0	0,0,0
10	9.29e-03	6.74e-03	0.01	160,160,203	0.0	0.0	0.0	0,0,0
11	0.02	0.09	0.03	156,156,203	0.06	0.05	0.05	156,180,203
12	0.01	8.29e-03	0.01	160,160,203	0.0	0.0	0.0	0,0,0
13	0.02	0.07	0.02	160,156,203	0.08	0.07	0.07	156,180,203
14	0.02	0.08	0.02	160,160,203	0.10	0.07	0.03	160,183,203
18	0.02	0.03	0.03	160,156,203	0.01	0.01	0.01	156,195,203
19	0.04	0.03	0.05	160,160,203	9.44e-03	8.95e-03	8.73e-03	160,195,203
21	0.02	0.03	0.03	160,156,203	0.01	0.01	0.01	156,195,203
22	0.02	0.11	0.02	156,160,203	0.13	0.13	0.12	160,195,203
23	0.04	0.03	0.05	160,160,203	0.0	0.0	0.0	0,0,0
24	0.05	0.13	0.07	160,160,203	0.12	0.11	0.11	140,195,203
25	0.01	8.68e-03	0.01	156,156,203	0.0	0.0	0.0	0,0,0
30	0.01	8.27e-03	0.01	160,160,203	0.0	0.0	0.0	0,0,0
31	0.02	0.10	0.03	156,156,203	0.12	0.11	0.10	140,195,203
32	0.01	8.91e-03	0.02	156,156,203	0.0	0.0	0.0	0,0,0
34	0.02	0.08	0.03	156,156,203	0.04	0.04	0.04	156,180,203
42	0.02	0.11	0.02	156,160,203	0.13	0.13	0.12	160,195,203
43	0.04	0.03	0.05	160,160,203	0.0	0.0	0.0	0,0,0
44	0.05	0.13	0.07	160,160,203	0.12	0.11	0.11	140,195,203
45	0.01	8.68e-03	0.01	156,156,203	0.0	0.0	0.0	0,0,0
50	0.01	8.90e-03	0.02	156,156,203	0.0	0.0	0.0	0,0,0
51	0.02	0.08	0.03	156,156,203	0.08	0.08	0.08	155,195,203
52	0.01	8.90e-03	0.02	156,156,203	0.0	0.0	0.0	0,0,0
53	0.01	8.29e-03	0.01	160,160,203	0.0	0.0	0.0	0,0,0
54	0.02	0.08	0.03	156,156,203	0.08	0.08	0.08	155,195,203
58	0.02	0.08	0.02	160,160,203	0.10	0.07	0.03	160,183,203
59	9.29e-03	6.74e-03	0.01	160,160,203	0.0	0.0	0.0	0,0,0
62	0.02	0.11	0.02	156,160,203	0.09	0.09	0.09	140,195,203
63	0.04	0.03	0.05	160,160,203	3.05e-04	2.08e-04	1.55e-04	160,184,203
64	0.05	0.13	0.06	160,160,203	0.10	0.09	0.08	156,195,203
65	0.01	8.04e-03	0.01	160,156,203	0.0	0.0	0.0	0,0,0
70	0.01	8.91e-03	0.02	156,156,203	0.0	0.0	0.0	0,0,0
71	0.02	0.08	0.03	156,156,203	0.04	0.04	0.04	156,180,203
72	0.01	8.27e-03	0.01	160,160,203	0.0	0.0	0.0	0,0,0
73	0.02	0.09	0.03	156,156,203	0.06	0.05	0.05	156,180,203
74	0.02	0.10	0.03	156,156,203	0.12	0.11	0.10	140,195,203
82	0.02	0.07	0.02	160,156,203	0.08	0.07	0.07	156,180,203
83	0.04	0.03	0.05	160,160,203	9.44e-03	8.95e-03	8.73e-03	160,195,203
84	0.05	0.09	0.06	160,156,203	0.08	0.07	0.07	156,180,203
85	0.03	0.04	0.04	160,156,203	0.01	0.01	0.01	156,195,203
86	8.85e-03	0.01	0.01	160,160,203	6.58e-03	6.20e-03	5.89e-03	160,195,203
87	0.03	0.02	0.04	156,156,203	2.46e-03	2.37e-03	2.35e-03	160,195,203
88	0.03	0.02	0.04	156,156,203	6.79e-03	6.47e-03	6.21e-03	160,195,203
...								
504	0.02	0.02	0.02	146,160,197	0.01	9.56e-03	8.82e-03	160,195,201
Setto	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.05	0.13	0.07		0.13	0.13	0.12	

Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
6	0.04	0.09	0.05	160,160,203	0.03	0.02	0.02	160,184,203
7	0.02	0.03	0.03	156,156,203	8.37e-03	7.78e-03	7.57e-03	156,195,203
8	0.03	0.04	0.04	156,156,203	0.01	8.74e-03	8.36e-03	148,179,203
9	0.02	0.02	0.02	156,156,203	5.58e-03	5.14e-03	5.01e-03	156,195,203
15	0.02	0.06	0.03	156,156,203	0.02	0.02	0.02	144,184,202
16	0.05	0.09	0.05	160,160,203	0.03	0.02	0.02	147,184,203
17	0.03	0.08	0.04	156,156,203	0.02	0.02	0.02	156,195,203
20	0.04	0.05	0.05	156,156,203	0.01	0.01	0.01	156,195,203
26	0.02	0.05	0.02	156,156,203	0.02	0.02	0.01	156,180,203
27	7.72e-03	8.68e-03	9.10e-03	156,156,203	2.47e-03	2.20e-03	2.09e-03	156,180,203
28	0.01	0.02	0.01	156,156,203	3.78e-03	3.38e-03	3.25e-03	156,180,203
29	6.72e-03	9.95e-03	7.86e-03	156,156,203	2.45e-03	2.13e-03	2.05e-03	156,180,203
33	0.02	0.06	0.03	156,156,203	0.02	0.02	0.02	144,184,202
35	0.01	0.05	0.01	156,156,203	0.03	0.02	0.01	156,184,203
36	0.03	0.08	0.03	156,160,203	0.02	0.02	0.02	160,195,203
37	0.03	0.08	0.04	156,156,203	0.02	0.02	0.02	156,195,203
38	0.04	0.05	0.05	156,156,203	0.01	0.01	0.01	156,195,203
39	0.02	0.02	0.02	156,156,203	5.58e-03	5.14e-03	5.01e-03	156,195,203
40	0.01	0.02	0.02	156,156,203	5.36e-03	4.78e-03	4.54e-03	156,180,203
41	0.03	0.04	0.04	156,156,203	0.01	8.74e-03	8.36e-03	148,179,203
46	8.42e-03	0.04	0.01	156,156,203	0.02	0.02	0.02	156,195,203
47	3.32e-03	4.20e-03	3.80e-03	156,156,203	1.30e-03	1.69e-03	1.68e-03	156,167,202
48	6.06e-03	8.82e-03	7.14e-03	156,156,203	2.18e-03	2.00e-03	1.91e-03	156,180,203
49	6.06e-03	8.82e-03	7.14e-03	156,156,203	2.18e-03	2.00e-03	1.91e-03	156,180,203

55	8.42e-03	0.04	0.01	156,156,203	0.02	0.02	0.02	156,195,203
56	0.03	0.08	0.04	156,156,203	0.02	0.02	0.02	156,195,203
57	0.03	0.08	0.04	156,156,203	0.02	0.02	0.02	156,195,203
60	3.32e-03	4.20e-03	3.80e-03	156,156,203	1.30e-03	1.69e-03	1.68e-03	156,167,202
61	0.02	0.03	0.03	156,156,203	8.37e-03	7.78e-03	7.57e-03	156,195,203
66	0.01	0.05	0.01	156,156,203	0.03	0.02	0.01	156,184,203
67	0.01	0.02	0.02	156,156,203	5.36e-03	4.78e-03	4.54e-03	156,180,203
68	6.72e-03	9.95e-03	7.86e-03	156,156,203	2.45e-03	2.13e-03	2.05e-03	156,180,203
69	0.01	0.02	0.01	156,156,203	3.78e-03	3.38e-03	3.25e-03	156,180,203
75	0.02	0.05	0.02	156,156,203	0.02	0.02	0.01	156,180,203
76	0.03	0.08	0.04	156,156,203	0.02	0.02	0.02	156,195,203
77	0.03	0.08	0.03	156,160,203	0.02	0.02	0.02	160,195,203
78	0.04	0.09	0.05	160,160,203	0.03	0.02	0.02	160,184,203
79	0.03	0.08	0.04	156,156,203	0.02	0.02	0.02	156,195,203
80	7.72e-03	8.68e-03	9.10e-03	156,156,203	2.47e-03	2.20e-03	2.09e-03	156,180,203
81	0.05	0.09	0.05	160,160,203	0.03	0.02	0.02	147,184,203
90	0.05	0.07	0.07	160,156,203	0.02	0.02	0.02	156,195,203
91	0.02	0.03	0.03	156,156,203	8.32e-03	7.96e-03	7.74e-03	156,195,203
92	0.03	0.04	0.04	160,160,203	0.01	0.01	0.01	160,195,203
93	0.02	0.03	0.02	160,160,203	6.72e-03	6.42e-03	6.26e-03	160,195,203
99	0.04	0.05	0.04	160,160,203	0.02	0.01	0.01	160,195,203
100	0.04	0.06	0.05	156,156,203	0.02	0.01	0.01	156,167,202
101	0.03	0.04	0.03	160,160,203	9.83e-03	9.43e-03	9.16e-03	160,195,203
104	0.04	0.06	0.05	156,156,203	0.02	0.02	0.02	156,195,203
...								
501	0.01	0.03	0.02	150,160,197	6.64e-03	9.50e-03	9.28e-03	160,195,203
Guscio	**rRfck**	**rRfyk**	**rPfck**		**wR**	**wF**	**wP**	
	0.05	0.09	0.07		0.03	0.02	0.02	

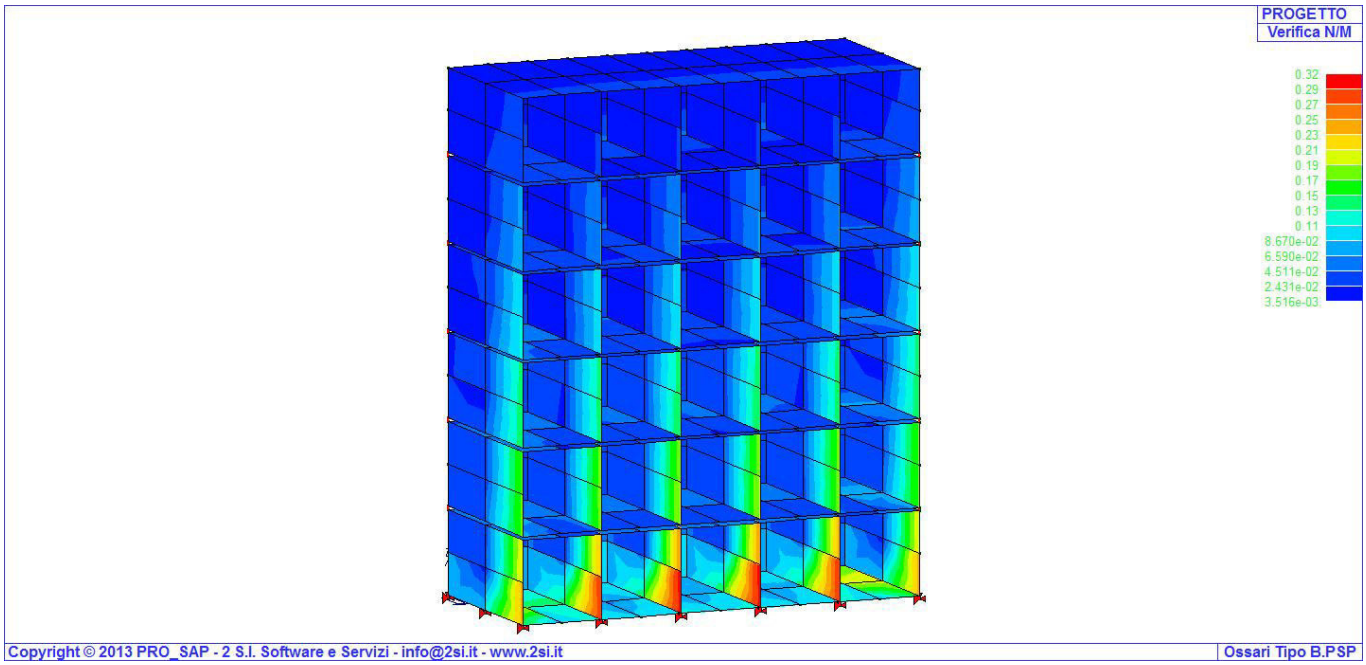

Fig. 10

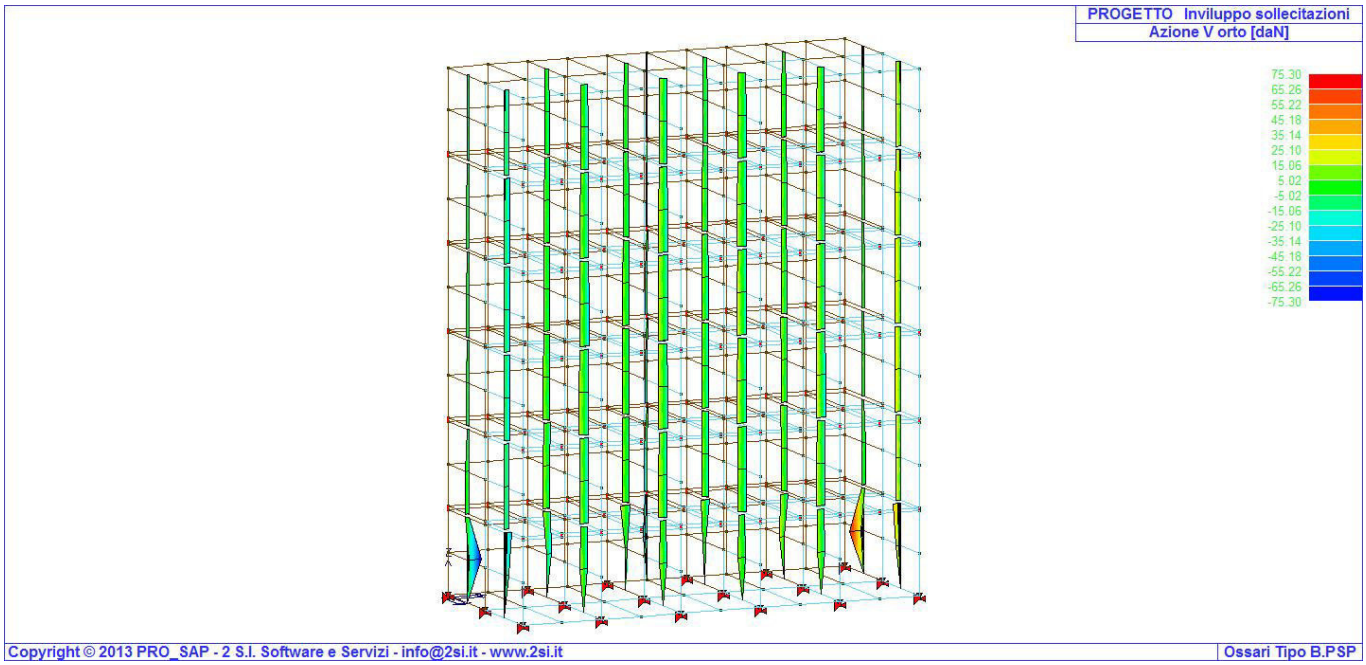
PROGETTO Inviluppo sollecitazioni
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Fig. 11