



# Comune di TERNI

## Direzione Lavori Pubblici - Manutenzioni



# FUTURA

# LA SCUOLA PER L'ITALIA DI DOMANI



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PIANO NAZIONALE DI RIPRESA E RESILIENZA

### PIANO NAZIONALE DI RIPRESA E RESILIENZA

Missione 4 - Istruzione e Ricerca - Componente 1 - Potenziamento dell'offerta dei servizi di istruzione: dagli asili nido alle Università - Investimento 3.3 "Piano messa in sicurezza e riqualificazione delle scuole",  
"ADEGUAMENTO SISMICO ED EFFICIENTAMENTO ENERGETICO SCUOLA ELEMENTARE CAMPITELLO,  
Via del Rivo, 241" Finanziato dall'Unione europea - Next Generation EU.

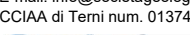
CUP F41B22000490001

## PROGETTO ESECUTIVO

N. Revisione	Data	Contenuto della revisione	Redatto	Revisionato	Approvato
A.1.0	Aprile 2023	PRIMA EMISSIONE	Daniele Baffo	Daniele Baffo	Alvaro Baffo

Tav: <b>B.STR.4</b>	Nome del Documento: Fascicolo di calcolo blocco scuola ante operam
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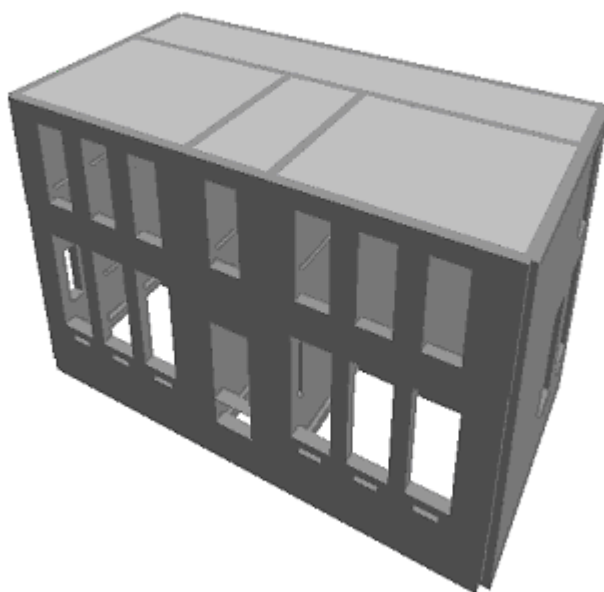
Tipo di Documento:  Relazione	N° pagine documento:  -	Scala di rappresentazione:  -
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PROVINCIA : TERNI

Ai sensi del D.M. 17/01/2018 "Norme Tecniche per le Costruzioni"



**Archivio: Ante Operam - Data: 23/11/2021**

**Oggetto:** Progettazione per adeguamento sismico - modellazione AnteOperam

Committente:	Progettista:	Progettista Strutturale:	Direttore dei Lavori:
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# 1 Introduzione

## 1.1 Premessa

### 1.1.1 Cenni sulla casa produttrice del software

La relazione seguente riporta i dati relativi ai criteri di progettazione, alla geometria, alla meccanica della struttura descritta al relativo paragrafo, nonché i relativi risultati dei calcoli strutturali così come ricavati dal calcolatore elettronico tramite l'utilizzo del Software "VEM" prodotto e distribuito da Stacec srl con sede in Bovalino (RC), e concesso in licenza al responsabile dei calcoli stessi. "VEM" è un programma sviluppato specificatamente per la progettazione e la verifica di edifici in muratura ordinaria ed armata. "VEM" articola le operazioni di progetto secondo tre fasi distinte:

- 1) il **preprocessore**: fase di Input dove viene definita e modellata interamente la struttura;
- 2) il **solutore**: fase di elaborazione della struttura tramite un solutore agli elementi finiti;
- 3) il **post-processore**: fase di verifica degli elementi, di creazione degli elaborati grafici e della relazione di calcolo.

### 1.1.2 Descrizione dell'Opera da calcolare

Comune : TERNI  
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Oggetto : Progettazione per adeguamento sismico - modellazione AnteOperam

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Nome File : Ante Operam

## 1.2 Riferimenti Legislativi.

Tutte le operazioni illustrate nel proseguo, relative all'analisi della struttura ed alle verifiche sugli elementi sono state effettuate in piena conformità alle seguenti norme:

**Circolare Ministero LL.PP. 30/07/1981**



**D.M. 20/11/1987**

**D.M. 17/01/2018:**

**Circolare CSLLPP n. 7 del 21/01/2019:**

"Istruzioni per l'applicazione dell'aggiornamento delle «Norme tecniche per le costruzioni» di cui al decreto ministeriale 17 gennaio 2018."

### 1.3 Convenzioni, Unità di misura e simboli adottati.

Nei calcoli sono state utilizzate le seguenti unità:

- distanze	: cm
- forze, tagli, e sforzi normali	: daN
- coppie e momenti flettenti	: daNm
- carichi sulle aste	: daN/m
- carichi su superfici	: daN/m <sup>2</sup>
- peso specifico	: daN/m <sup>3</sup>
- tensioni e resistenze	: daN/m <sup>2</sup>
- temperatura	: °C

I simboli adottati hanno il seguente significato:

q	: fattore di comportamento ;
R <sub>ck</sub>	: Resistenza caratteristica cubica a compressione del calcestruzzo;
f <sub>ck</sub>	: Resistenza caratteristica cilindrica a compressione del calcestruzzo;
E <sub>c</sub>	: Modulo elastico secante del calcestruzzo;
E <sub>ct</sub>	: Modulo elastico a trazione del calcestruzzo
f <sub>cd</sub>	: Resistenza di calcolo del calcestruzzo;
f <sub>ctk,0.05</sub>	: Resistenza caratteristica a trazione;
ν	: Coefficiente di Poisson;
α <sub>t</sub>	: Coefficiente di dilatazione termica;
ps	: peso specifico;
f <sub>yk</sub>	: Resistenza caratteristica di snervamento dell'acciaio;
f <sub>tk</sub>	: Resistenza caratteristica di rottura dell'acciaio;
f <sub>d</sub>	: resistenza di calcolo dell'acciaio;
A	: Superficie della sezione trasversale;
J <sub>x</sub>	: Momento di inerzia rispetto all'asse X;
J <sub>y</sub>	: Momento di inerzia rispetto all'asse Y;
J <sub>xy</sub>	: Momento di inerzia centrifugo rispetto agli assi X ed Y;
J <sub>t</sub>	: Fattore torsionale;
N	: sforzo normale;
M <sub>T</sub>	: Momento Torcente;
M <sub>XZ</sub>	: Momento Flettente X-Z;
T <sub>XZ</sub>	: Taglio X-Z;
M <sub>XY</sub>	: Momento Flettente X-Y;
T <sub>XY</sub>	: Taglio X-Y;
f	: Frequenza del modo i-esimo;
T	: Periodo del modo i-esimo;
Γ <sub>x</sub>	: Fattore di partecipazione del modo i-esimo in direzione x;
Γ <sub>y</sub>	: Fattore di partecipazione del modo i-esimo in direzione y;
Γ <sub>z</sub>	: Fattore di partecipazione del modo i-esimo in direzione z;
N <sub>sd</sub>	: Sforzo Normale sollecitante di calcolo;
M <sub>sdXZ</sub>	: Momento Flettente X-Z sollecitante di calcolo;
M <sub>sdXY</sub>	: Momento Flettente X-Y sollecitante di calcolo;
M <sub>tS</sub>	: Momento Torcente sollecitante di calcolo;
V <sub>sdXZ</sub>	: Taglio X-Z sollecitante di calcolo;
V <sub>sdXY</sub>	: Taglio X-Y sollecitante di calcolo;
N <sub>Rd</sub>	: Sforzo Normale resistente di calcolo;



$M_{RdXZ}$  : Momento Flettente X-Z resistente di calcolo;  
 $M_{RdXY}$  : Momento Flettente X-Y resistente di calcolo;  
 $M_{tR}$  : Momento Torcente resistente di calcolo;  
 $V_{RdXZ}$  : Taglio X-Z resistente di calcolo;  
 $V_{RdXY}$  : Taglio X-Y resistente di calcolo;  
 $\sigma_c$  : Tensioni del calcestruzzo;  
 $\sigma_s$  : Tensioni delle armature;  
 $\sigma_{c,lim}$  : Tensioni limite del calcestruzzo;  
 $\sigma_{s,lim}$  : Tensioni limite dell'acciaio;  
 $f/l$  : rapporto freccia/lunghezza;  
 $f_{lim}$  : valore limite del rapporto freccia/lunghezza;

## 2 Descrizione del Modello.

### 2.1 Modello assunto per il calcolo.

L'analisi numerica della struttura è stata condotta attraverso l'utilizzo del metodo degli elementi finiti ipotizzando un comportamento elastico-lineare.

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

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

Il modello di calcolo può essere articolato sulla base dell'ipotesi di impalcato rigido, in funzione della reale presenza di solai continui atti ad irrigidire tutto l'impalcato.

Tale ipotesi viene realizzata attraverso l'introduzione di adeguate relazioni cinematiche tra i gradi di libertà dei nodi costituenti l'impalcato stesso.

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

#### Riferimento globale e locale.

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

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

#### Modellazione geometrica della struttura.

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

##### - Nodi

Si definiscono nodi, entità geometriche determinate tramite le tre coordinate nel riferimento globale.

I nodi, nello spazio tridimensionale, posseggono tre gradi di libertà traslazionali e tre rotazionali.

Essi sono posizionati in modo da definire gli estremi degli elementi finiti e, di regola, in ogni discontinuità strutturale, di carico, di caratteristiche meccaniche, di campo di spostamento.

##### - Vincoli e Molle

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

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

##### - Vincoli interni

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

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

##### - Aste

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



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

Le aste sono dotate di rigidezza assiale, flessionale, e a taglio, secondo il modello classico della trave inflessa di Eulero-Bernoulli. Alla singola asta è possibile associare una sezione costante per tutta la sua lunghezza.

### *- Asta su suolo elastico*

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

### *- Lastra-Piastra*

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

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

### *- Forze e coppie concentrate*

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

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

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

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

### *- Pannelli di carico*

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

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

### *- Sezioni*

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

## **Materiali.**

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

## **Matrici di calcolo della struttura.**

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

### *- Matrice di rigidezza*

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

### *- Matrice delle masse*

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



## 2.2 Tipo di calcolo. (ANALISI STATICA NON LINEARE)

Il calcolo risolutivo della struttura è stato effettuato utilizzando un sistema di equazioni lineari (di dimensioni pari ai gradi di libertà), secondo la relazione:

$$\underline{u} = [\underline{K}]^{-1} \underline{F}$$

dove:  $\underline{F}$  = vettore dei carichi risultanti applicate ai nodi;  
 $\underline{u}$  = vettore dei cinematismi nodali;  
 $[\underline{K}]$  = matrice di rigidezza globale.

Tale analisi è stata ripetuta per tutte le condizioni presenti sulla struttura, identificati dai vettori dei carichi relativi a:

- carichi permanenti;
- carichi d'esercizio;
- delta termico;
- torsioni accidentali;

I valori delle eccentricità accidentali per le torsioni sono i seguenti:

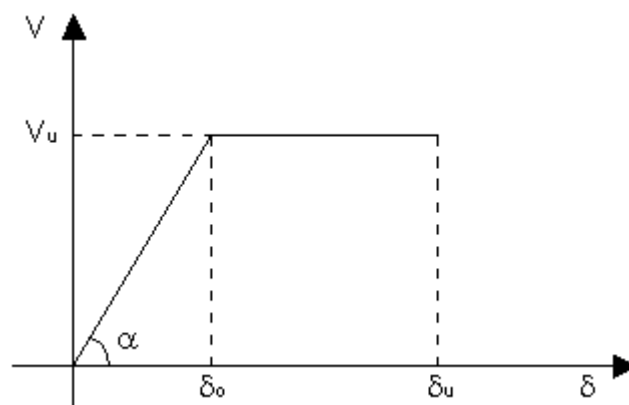
Imp. Reale	Torsioni Accidentali	
	$e_x$ [cm]	$e_y$ [cm]
1	110.0	58.3
2	110.0	58.3
3	110.0	58.3

Per ogni impalcato reale si riportano i dati relativi alle rigidezze e ai baricentri:

Imp. Reale	Rigidezze			Centro Massa		Centro Rigidezza	
	Rig X [kN/cm]	Rig Y [kN/cm]	Rig. Tors. [kNm]	X [cm]	Y [cm]	xR [cm]	yR [cm]
1	67047	51496	4516852570 9	1100.4	610.7	1090.7	743.9
2	5280	8732	5188566657	1121.3	590.7	1214.6	757.6
3	12826	11582	9809405955	1121.6	582.9	1190.8	803.6

Il calcolo consiste nell'incrementare i carichi sismici fino a quando la struttura raggiunge il collasso.

La struttura viene schematizzata a telaio equivalente, costituita da elementi maschi, elementi fasce e nodi rigidi. Il maschio ha un comportamento elastico perfettamente plastico definito dal taglio ultimo ( $V_u$ ), dalla rigidezza ( $k$ ), dallo spostamento elastico ( $\delta_0$ ) e dallo spostamento ultimo ( $\delta_u$ )



Il calcolo del taglio ultimo si ottiene in accordo ai punti 7.8.2.2.1 e 7.8.2.2.2 del N.T.C. (vedi paragrafo “Pressoflessione e Taglio nel piano” della presente relazione). La rigidezza  $k$  si ottiene in funzione dei collegamenti vincolari agli estremi degli elementi. Nel caso di incastro – incastro vale:

$$k = 1 / [h^3 / (12EI) + 1.2h / (GA)]$$

dove:  
 $h$  è l'altezza dell'elemento



E è il modulo elastico normale

G è il modulo elastico tangenziale

I è il momento d'inerzia della sezione trasversale rispetto all'asse baricentrico ortogonale al piano dell'elemento

A è l'area della sezione trasversale

Lo spostamento elastico si ottiene dal rapporto tra il taglio ultimo e la rigidezza, mentre lo spostamento ultimo dipende dal tipo di rottura dell'elemento. Per normativa deve essere pari a 0.8% l'altezza della parete se la rottura avviene per flessione (punto 7.8.2.2.1 delle N.T.C.) e 0.4% l'altezza della parete se la rottura avviene per taglio (punto 7.8.2.2.2 delle N.T.C.).

Per la resistenza delle fasce si veda il paragrafo "Pressoflessione e Taglio nel piano" della presente relazione.

In fase elastica ogni elemento si considera incastrato agli estremi. Raggiunto il limite elastico cambia la configurazione di vincolo dell'elemento (si declassa in una biella compressa capace di trasmettere solo carichi verticali).

Il risultato consiste in un diagramma ("curva di capacità") dove in ascissa viene riportato lo spostamento di un punto di controllo (baricentro delle masse dell'ultimo piano) e in ordinata la forza totale orizzontale applicata alla struttura. Dalla curva di capacità è possibile ricavare la "capacità di spostamento" della struttura.

La verifica globale della struttura si considera soddisfatta se la capacità di spostamento è maggiore della "domanda di spostamento".

$$d_{\max}^* = S_{De}(T^*) \quad \text{per } T^* \geq T_C$$

$$d_{\max}^* = ((S_{De}(T^*)) / q^*) \cdot [1 + (q^* - 1) \cdot T_C / T^*] \quad \text{per } T^* < T_C$$

dove:

$d_{\max}^*$  è la domanda di spostamento.

$T^* = 2\pi\sqrt{m^* / k^*}$  è il periodo del sistema equivalente ad un grado di libertà.

$T_C$  riportato nella tabella 3.2.VI del punto 3.2.3.2.2 del D.M. 17/01/2018.

$m^* = \sum m_i \Phi_i$  è la massa partecipante del sistema equivalente.

$k^*$  è la rigidezza secante del sistema equivalente ad un grado di libertà.

$q^* = S_e(T^*)m^* / F_y^*$  è il rapporto tra la forza di risposta elastica e la forza di snervamento del sistema equivalente.

$S_{De}(T^*)$  è il valore dello spettro di risposta elastico degli spostamenti in corrispondenza del periodo  $T^*$ .

$S_e(T^*)$  è il valore dello spettro di risposta elastico delle accelerazioni in corrispondenza del periodo  $T^*$ .

$m_i$  è la massa di ogni impalcato della struttura.

$\Phi_i$  è il vettore che rappresenta il primo modo di vibrare della struttura.

$F_y^*$  è la forza di snervamento del sistema equivalente.

Il calcolo viene eseguito separatamente nelle due direzioni principali della struttura considerando due distribuzioni di forze applicate al baricentro delle masse di ogni impalcato: una di forze proporzionali alle masse (la prima del Gruppo 2 del punto 7.3.4.2 del D.M. 17/01/2018) ed una di forze proporzionali all'altezza degli impalcati (la prima del Gruppo 1 del punto 7.3.4.2 del DM 17/01/2018).

Nel primo caso le forze sono computate secondo le seguenti formule:

$$F_{Ih} = F_H W_I / (\sum W_I);$$

$$F_H = S_d(T_I) W_{tot} \lambda$$

Nel secondo caso le forze sono computate secondo le seguenti formule:

$$F_{Ih} = F_H (W_I z_I) / (\sum W_I z_I);$$

dove:

$z_I$  quota dell'impalcato

$S_d(T_I)$  ordinata spettro di risposta;

$\lambda = 0.85$  ( $N_{piani} \geq 3 - T_I \leq 2 T_C$ ) oppure 1.00 (in tutti gli altri casi);

$W_I = (G_K + \sum \Psi_{Ei} Q_{iK})$ ;

## 2.3 Condizioni di carico valutate

**Combinazioni di carico per elementi soggetti a sisma.**



Comb.	Condizione			
	Carichi permanenti (Gk1)	Carichi d'esercizio (Qk)	Sisma	Incremento forze proporzionale
1	$\gamma G1s$	$\Psi 2$	Sisma X(+); Ecc(+)	Masse
2	$\gamma G1s$	$\Psi 2$	Sisma X(+); Ecc(-)	Masse
3	$\gamma G1s$	$\Psi 2$	Sisma X(-); Ecc(+)	Masse
4	$\gamma G1s$	$\Psi 2$	Sisma X(-); Ecc(-)	Masse
5	$\gamma G1s$	$\Psi 2$	Sisma X(+); Ecc(+)	Altezze
6	$\gamma G1s$	$\Psi 2$	Sisma X(+); Ecc(-)	Altezze
7	$\gamma G1s$	$\Psi 2$	Sisma X(-); Ecc(+)	Altezze
8	$\gamma G1s$	$\Psi 2$	Sisma X(-); Ecc(-)	Altezze
9	$\gamma G1s$	$\Psi 2$	Sisma Y(+); Ecc(+)	Masse
10	$\gamma G1s$	$\Psi 2$	Sisma Y(+); Ecc(-)	Masse
11	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(+)	Masse
12	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Masse
13	$\gamma G1s$	$\Psi 2$	Sisma Y(+); Ecc(+)	Altezze
14	$\gamma G1s$	$\Psi 2$	Sisma Y(+); Ecc(-)	Altezze
15	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(+)	Altezze
16	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
17	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
18	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
19	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
20	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
21	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
22	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
23	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
24	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
25	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
26	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
27	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
28	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
29	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
30	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
31	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze
32	$\gamma G1s$	$\Psi 2$	Sisma Y(-); Ecc(-)	Altezze

I coefficienti utilizzati assumono i seguenti valori:

ELEMENTO	$\gamma G1s$	$\gamma G2s$
Struttura	1.0	1.0

Coefficienti di combinazione.

Impalcato	Destinazione	Altre azioni			Delta termico		
		$\Psi 0i$	$\Psi 1i$	$\Psi 2i$	$\Psi 0i$	$\Psi 1i$	$\Psi 2i$
Fondazione	A- Abitazione	0.7	0.5	0.3	0.6	0.5	0.0
Piano 1	A- Abitazione	0.7	0.5	0.3	0.6	0.5	0.0
Piano 2	A- Abitazione	0.7	0.5	0.3	0.6	0.5	0.0
Piano 3	A- Abitazione	0.7	0.5	0.3	0.6	0.5	0.0

Combinazioni per le verifiche allo Stato limite di esercizio

Le azioni di calcolo presenti sulla struttura e le relative combinazioni di carico nei riguardi degli stati limite di esercizio possono essere riassunte nelle seguenti tabelle:

Combinazioni Rare:

Elementi della Struttura				
Comb.	Condizione			
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)



1	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$\Psi 0 \gamma_{Qns}$
2	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$-\Psi 0 \gamma_{Qns}$
3	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 0 \gamma_{Qns}$	$\gamma_{Qns}$
4	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$

Comb.	Condizione
	<b>Copertura</b>
1	1.00
2	1.00
3	1.00
4	1.00

Combinazioni Frequenti:

Elementi della Struttura				
Comb.	Condizione			
	<b>C. perm.(Gk1)</b>	<b>C. p. non str.(Gk2)</b>	<b>C. ese.(Qk)</b>	<b>Delta T(DT)</b>
1	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 1 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 1 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$
3	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 2 \gamma_{Qns}$	$\Psi 1 \gamma_{Qns}$
4	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 2 \gamma_{Qns}$	$-\Psi 1 \gamma_{Qns}$

Comb.	Condizione
	<b>Copertura</b>
1	1.00
2	1.00
3	1.00
4	1.00

Combinazioni quasi permanenti :

Elementi della Struttura				
Comb.	Condizione			
	<b>C. perm.(Gk1)</b>	<b>C. p. non str.(Gk2)</b>	<b>C. ese.(Qk)</b>	<b>Delta T(DT)</b>
1	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 2 \gamma_{Qns}$	$\Psi 2 \gamma_{Qns}$
2	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 2 \gamma_{Qns}$	$-\Psi 2 \gamma_{Qns}$

Comb.	Condizione
	<b>Copertura</b>
1	1.00
2	1.00

I coefficienti utilizzati assumono i seguenti valori:

SLE															
ELEMENTO	Rare					Frequenti					Q. Permanenti				
	$\gamma_{Gns}$	$\gamma_{Qns}$	$\gamma_I$	$\gamma_{EG}$	$\gamma_{EQ}$	$\gamma_{Gns}$	$\gamma_{Qns}$	$\gamma_I$	$\gamma_{EG}$	$\gamma_{EQ}$	$\gamma_{Gns}$	$\gamma_{Qns}$	$\gamma_I$	$\gamma_{EG}$	$\gamma_{EQ}$
Struttura	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Tali combinazioni vengono considerate sovrapponendo i diagrammi secondo la tecnica dell'involuppo.

### Combinazioni per le verifiche allo Stato Limite di Salvaguardia della Vita

Le azioni di calcolo presenti sulla struttura e le relative combinazioni di carico nei riguardi degli stati limite di salvaguardia della vita essere riassunte nelle seguenti tabelle:

Elementi della Struttura									
Comb.	Condizione								
	<b>C. perm.(Gk1)</b>	<b>C. p. non str.(Gk2)</b>	<b>C. ese.(Qk)</b>	<b>Delta T(DT)</b>	<b>Tors. acc. X(Mx)</b>	<b>Tors. acc. Y(My)</b>	<b>Sisma X</b>	<b>Sisma Y</b>	<b>Sisma Z</b>
1*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	0	0	0	0	0	0



2*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$\Psi 0 \gamma_{Qns}$	0	0	0	0	0
3*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$-\Psi 0 \gamma_{Qns}$	0	0	0	0	0
4*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 0 \gamma_{Qns}$	$\gamma_{Qns}$	0	0	0	0	0
5*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$	0	0	0	0	0

\*Combinazione fondamentale (par. 2.5.3, formula 2.5.1)

Comb.	Condizione
	<b>Copertura</b>
1*	1.30
2*	1.30
3*	1.30
4*	1.30
5*	1.30

\*Combinazione fondamentale (par. 2.5.3, formula 2.5.1)

Elementi di fondazione A1									
Comb.	Condizione								
	C. perm.(Gk1)	C. p. non str.(Gk2)	C. ese.(Qk)	Delta T(DT)	Tors. acc. X(Mx)	Tors. acc. Y(My)	Sisma X	Sisma Y	Sisma Z
1*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	0	0	0	0	0	0
2*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$\Psi 0 \gamma_{Qns}$	0	0	0	0	0
3*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$-\Psi 0 \gamma_{Qns}$	0	0	0	0	0
4*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 0 \gamma_{Qns}$	$\gamma_{Qns}$	0	0	0	0	0
5*	$\gamma_{Gns}$	$\gamma_{G2ns}$	$\Psi 0 \gamma_{Qns}$	$-\gamma_{Qns}$	0	0	0	0	0

\*Combinazione fondamentale (par. 2.5.3, formula 2.5.1)

Comb.	Condizione
	<b>Copertura</b>
1*	1.30
2*	1.30
3*	1.30
4*	1.30
5*	1.30

\*Combinazione fondamentale (par. 2.5.3, formula 2.5.1)

I coefficienti utilizzati assumono i seguenti valori:

ELEMENTO	SLV					
	$\gamma_{G1ns}$	$\gamma_{G2ns}$	$\gamma_{Qns}$	$\gamma_{G1s}$	$\gamma_{G2s}$	$\gamma_{Qs}$
ELEMENTO	1.3	1.5	1.5	1.0	1.0	1.0
ELEMENTO	1.3	1.5	1.5	1.0	1.0	1.0
ELEMENTO	1.3	1.5	1.5	1.0	1.0	1.0
Fondazione A1	1.3	1.5	1.5	1.0	1.0	1.0

## 2.4 Procedura di Verifica degli elementi.

### 2.4.1 Elementi in Muratura.

Le verifiche relative agli elementi strutturali in muratura possono essere riassunte nei seguenti tipi:

- Pressoflessione nel piano;
- Taglio per scorrimento nel piano;
- Verifica locale agli appoggi per carichi verticali;
- Pressoflessione fuori piano;

#### Pressoflessione e Taglio nel piano dei maschi murari.

La resistenza degli elementi murari (analisi statica non lineare) è data dalla resistenza a pressoflessione e taglio nel piano in accordo con i punti 7.8.2.2.1 e 7.8.2.2.2 delle N.T.C.

Un elemento murario raggiunge lo stato di crisi quando si raggiunge la resistenza ultima a pressoflessione o a taglio.



$M_u = l^2 \cdot t \cdot \sigma_0 / 2 \cdot (1 - \sigma_0 / 0.85 \cdot f_d)$  : momento corrispondente al collasso per pressoflessione;

dove:

$l$  : lunghezza complessiva della parete;

$t$  : spessore della parete;

$\sigma_0 = P / l \cdot t$  : tensione normale media agente su tutta la sezione con forza assiale positiva di compressione;

$f_d$  : resistenza di calcolo della muratura.

$M_u = 0$  se  $P$  è di trazione

$V_t = (l' \cdot t \cdot f_{vk}) / \gamma_m$  : taglio resistente del pannello murario;

$l'$  : lunghezza della parte di parete compressa;

$t$  : spessore della parete;

$f_{vk} = f_{vk0} + 0.40 \cdot \sigma_N$

$\sigma_N = P / (l' \cdot t)$  : tensione normale media sulla parte compressa.

### Pressoflessione e Taglio nel piano delle fasce di piano.

La resistenza a pressoflessione e taglio delle fasce di piano si ottiene in accordo alle prescrizioni previste nel punto 7.8.2.2.4 delle N.T.C.

La resistenza a taglio in presenza di un elemento resistente a trazione (architrave, cordolo, tirante, ecc) si ottiene dalla seguente relazione:

$$V_t = h \cdot t \cdot f_{vd0}$$

dove:

$h$  : altezza della parete;

$t$  : spessore della parete;

$f_{vd0}$  : è la resistenza di calcolo a taglio della muratura in assenza di compressione.

La resistenza a flessione in presenza di un elemento resistente a trazione (architrave, cordolo, tirante, ecc) si ottiene dalla seguente relazione:

$M_u = H_p \cdot h / 2 \cdot (1 - H_p / 0.85 \cdot f_{hd} \cdot h \cdot t)$  : momento corrispondente al collasso per pressoflessione;

dove:

$h$  : altezza della parete;

$t$  : spessore della parete;

$f_{hd}$  : è la resistenza di calcolo a compressione in direzione orizzontale della muratura.

La resistenza a taglio associato al meccanismo di rottura a flessione si ottiene dalla relazione seguente:

$$V_p = 2 \cdot M_u / l$$

dove:

$l$  è la luce libera della trave in muratura

La resistenza a taglio è assunta pari al valore minimo tra  $V_t$  e  $V_p$

### Verifica locale agli appoggi per carichi verticali (Schiacciamento).

Tale verifica prevista dal D.M. 20/11/1987 serve a limitare le tensioni agli appoggi per i carichi trasmessi dai setti murari dei piani superiori e dagli impalcati che gravano sui setti murari stessi.

Lo Sforzo Normale sul setto ed il punto di applicazione di tale forza si ottengono dalla composizione di tutte le forze trasmesse dai solai e dai setti murari al piano superiore.

La tensione di calcolo raggiunta sul setto murario deve essere inferiore a quella limite di calcolo ( $f_d$ ):

$$\sigma_n \leq f_d$$



### Pressoflessione fuori piano.

La verifica deve essere effettuata prendendo in considerazione le forze sismiche descritte per gli elementi non strutturali (Punto 7.2.3 delle N.T.C.). L'azione sismica ortogonale alla parete può essere rappresentata da un carico orizzontale distribuito, pari a  $S_a/q_a$  volte il peso della parete. Inoltre possono essere considerate forze orizzontali concentrate pari a  $S_a/q_a$  volte il peso trasmesso dagli orizzontamenti poggianti sulla parete, qualora tali forze non siano efficacemente trasmesse a muri trasversali paralleli alla direzione del sisma. (Punto 7.8.1.5 delle N.T.C.). Nella computazione del momento ultimo la resistenza di calcolo è pari a  $0.85 \cdot f_d$ . L'entità della forza sismica dovuta al peso del pannello viene calcolata secondo l'espressione:

$$F_a = (W_a \cdot S_a) / q_a$$

mentre quella dovuta agli orizzontamenti viene calcolata secondo l'espressione:

$$F_o = (W_o \cdot S_a) / q_a$$

dove:

$W_a$  : peso dell'elemento;

$W_o$  : peso dell'orizzontamento che grava sul muro;

$q_a$  : fattore di comportamento dell'elemento (si assume pari a 3);

$S_a = \alpha \cdot S \cdot (1.5 (1 + (Z / H)) - 0.5)$ : coefficiente di amplificazione;

$\alpha$  : rapporto tra l'accelerazione massima del terreno ag su sottosuolo tipo A da considerare nello stato limite in esame e l'accelerazione di gravità  $g$ ;

$Z$  : altezza del baricentro dell'elemento rispetto alla fondazione;

$H$  : altezza della struttura;

## 3 Dati

### 3.1 Dati Generali

Numero Impalcati : 3

Numero delle tipologie di sezioni trasversali usate : 2

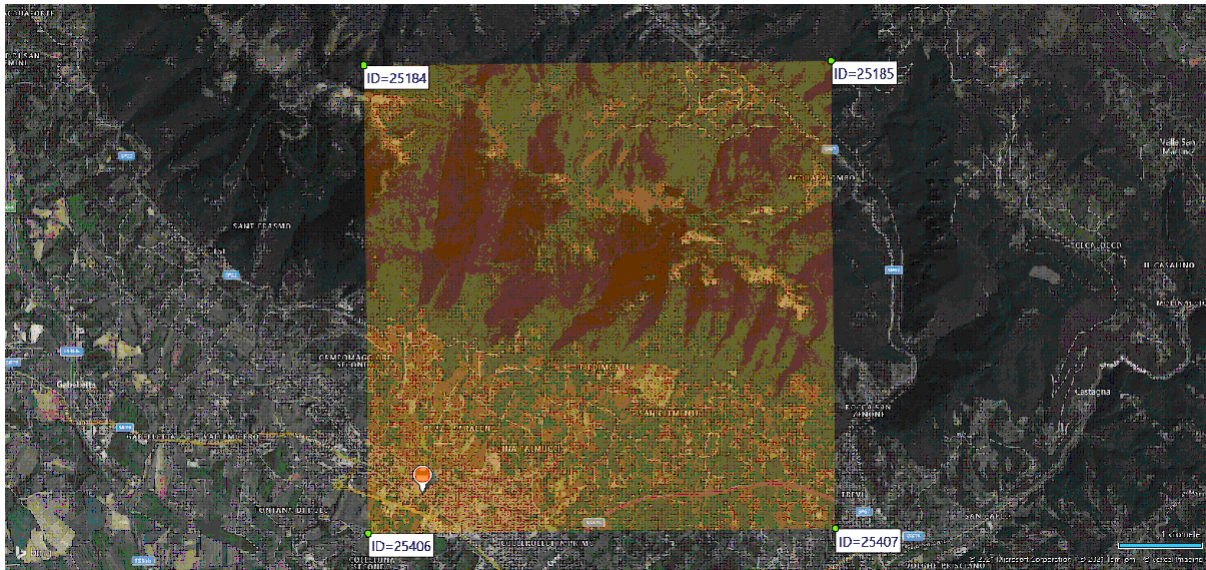
Numero delle tipologie di solaio utilizzate : 2

Impalcato	Quota assoluta min [cm]	Quota assoluta max [cm]	Quota relativa min [cm]	Quota relativa max [cm]	Numero Colonne	Numero Travi
Fondazione	0.00	0.00	0.00	0.00	0	13
Piano 1	0.00	200.00	200.00	200.00	0	0
Piano 2	200.00	683.00	483.00	483.00	0	0
Piano 3	683.00	1070.00	387.00	387.00	0	0

Coordinate (Datum WGS84) del sito : Latitudine = 42.5845° - Longitudine = 12.6143°

Coordinate (Datum ED50) del sito : Latitudine = 42.5855° - Longitudine = 12.6152°





Identificativi e coordinate (Datum ED50) dei punti che includono il sito		
Numero punto	Latitudine [°]	Longitudine [°]
25184	42.6315	12.6067
25185	42.6320	12.6746
25406	42.5815	12.6073
25407	42.5820	12.6752

Zona sismica : SI  
 Suolo di fondazione : B  
 Vita nominale : 50  
 Tipo di opera : Opere ordinarie  
 Classe d'uso : III  
 Coefficiente smorzamento viscoso : 0.05

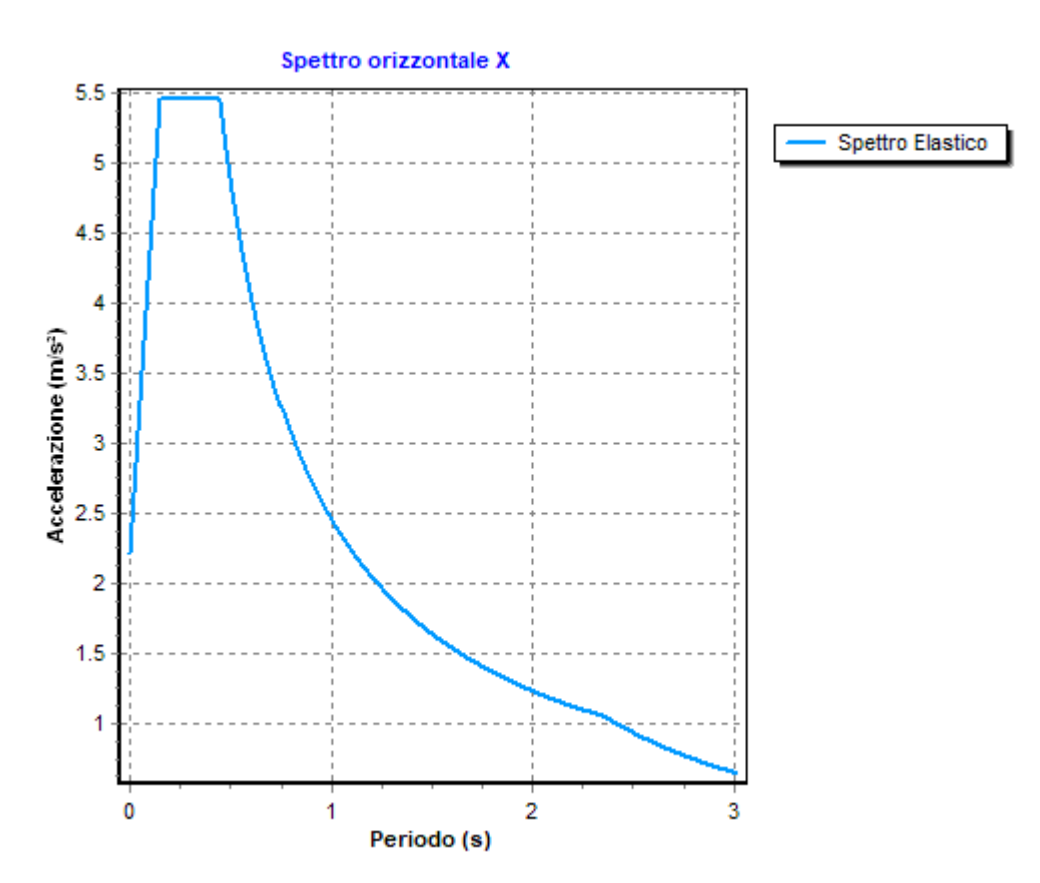
Parametri dello spettro di risposta orizzontale SLU:

Accelerazione sismica : 0.188g  
 Coefficiente Ss : 1.20  
 Coefficiente di amplificazione topografica St : 1.00  
 Periodo  $T_B$  : 0.15  
 Periodo  $T_C$  : 0.45  
 Periodo  $T_D$  : 2.35  
 Coefficiente  $\eta$  : 1.00

Parametri dello spettro di risposta orizzontale SLD:

Accelerazione sismica : 0.082g  
 Coefficiente S : 1.20  
 Coefficiente di amplificazione topografica St : 1.00  
 Periodo  $T_B$  : 0.14  
 Periodo  $T_C$  : 0.41  
 Periodo  $T_D$  : 1.93  
 Coefficiente  $\eta$  : 1.00





Modulo di Winkler traslazionale	: 5.00 daN/cm <sup>3</sup>
Modulo di Winkler tangenziale	: 2.50 daN/cm <sup>3</sup>
Delta Termico aste di elevazione	: 0
Delta Termico aste di fondazione	: 0
Modulo di omogeneizzazione (per SLE)	: 15
Copriferro Travi di Fondazione	: 2.50 cm
Copriferro Travi Cordoli	: 2.50 cm
Copriferro Pilastri in C.A.	: 2.50 cm
Copriferro Solai	: 1.50 cm
Copriferro Bicchieri Plinti	: 2.00 cm
Copriferro Pareti	: 2.00 cm
Copriferro Piastre di Fondazione	: 2.00 cm
Copriferro Architravi	: 2.50 cm

### 3.2 Elenco e Caratteristiche dei materiali.

Nell'ambito del progetto si è fatto uso dei seguenti materiali divisi per categoria di appartenenza:

#### b - Calcestruzzo

Nome	Classe	R <sub>ck</sub> [daN/cm <sup>2</sup> ]	v	ρ <sub>s</sub> [daN/m <sup>3</sup> ]	α <sub>t</sub> [1/°C]	E <sub>c</sub> [daN/cm <sup>2</sup> ]	FC	γ <sub>m,c</sub>	E <sub>c</sub> /E <sub>c</sub>	f <sub>ck</sub> [daN/cm <sup>2</sup> ]	f <sub>cm</sub> [daN/cm <sup>2</sup> ]	f <sub>cd</sub> SLU [daN/cm <sup>2</sup> ]	f <sub>ctd</sub> SLU [daN/cm <sup>2</sup> ]	f <sub>cd</sub> SLD [daN/cm <sup>2</sup> ]	f <sub>ctd</sub> SLD [daN/cm <sup>2</sup> ]	f <sub>ctk,0.05</sub> [daN/cm <sup>2</sup> ]	f <sub>ctm</sub> [daN/cm <sup>2</sup> ]	ε <sub>cu2</sub> [%]	ε <sub>cu2</sub> [%]
Cls1	-	271	0.15	2500	1.0E-005	314758.1	1.20	1.80	0.50	224.9	-	141.7	12.0	212.5	18.0	18.0	25.6	2.00	3.50

#### c - Acciaio per C.A.

Nome	Tipo	γ <sub>m</sub>	FC	E <sub>s</sub> [daN/cm <sup>2</sup> ]	f <sub>yk</sub> [daN/cm <sup>2</sup> ]	f <sub>tk</sub> [daN/cm <sup>2</sup> ]	f <sub>d</sub> SLU [daN/cm <sup>2</sup> ]	f <sub>d</sub> SLD [daN/cm <sup>2</sup> ]	f <sub>d</sub> SLE [daN/cm <sup>2</sup> ]	k	ε <sub>ud</sub> [%]
Barrel	B450C	1.15	1.00	2100000.0	4506.5	6534.4	3918.7	4506.5	3918.7	1.00	10.00



**d - Acciaio per carpenteria.**

Nome	Norm.	Tipo	v	ps [daN/m <sup>3</sup> ]	αt [1/°C]	E [daN/cm <sup>2</sup> ]	FC	γM0	γM1	γM2	fy [daN/cm <sup>2</sup> ]	fu [daN/cm <sup>2</sup> ]
Acciaio1	UNI EN 10025-2	S275	0.30	7850	1.2E-005	2100000.0	1.00	1.05	1.05	1.25	2750.0	4300.0

**e - Muratura**

Nome	Tipo	Malta	Lc	v	αt [1/°C]	Coeff. Corr.	FC	γm	E [daN/c m <sup>2</sup> ]	G [daN/c m <sup>2</sup> ]	f <sub>bk</sub> [daN/c m <sup>2</sup> ]	f <sub>bk,Or</sub> [daN/c m <sup>2</sup> ]	f <sub>k</sub> - f <sub>m</sub> [daN/c m <sup>2</sup> ]	f <sub>vk0</sub> [daN/c m <sup>2</sup> ]	f <sub>vk,lim</sub> [daN/c m <sup>2</sup> ]	τ <sub>0</sub> [daN/c m <sup>2</sup> ]	ps [daN/m <sup>3</sup> ]
Muratura1	Conci sbozzati	-	LC2	0.30	1.0E-005	1.00	1.20	3.00	12300.00	4100.00	150.00	-	20.00	0.43	15.00	0.43	2000.00
mattoni pieni	Mattoni pieni e malta di calce	-	LC2	0.30	1.0E-005	1.00	1.20	3.00	15000.00	5000.00	150.00	-	34.50	2.00	15.00	0.90	1800.00

**3.3 Elenco e caratteristiche delle colonne stratigrafiche.**

Nell'ambito del progetto si è fatto uso delle seguenti colonne stratigrafiche:

**Caratteristiche delle colonne stratigrafiche:**

Colonna : nome della colonna stratigrafica;  
 Filo : filo fisso al quale appartiene la colonna stratigrafica;  
 Impalcato : Impalcato al quale appartiene la colonna stratigrafica;  
 Falda : Presenza della falda;  
 Prof. Falda : Profondità della falda (se è presente);  
 Spicc. Fond. : Quota dell'estradosso della fondazione rispetto al piano campagna;  
 No. Strati : Numero degli strati della colonna stratigrafica.  
 RQD : (Rock Quality Designation)grado di fratturazione dell'ammasso roccioso in [0-1]

Filo	Colonna	Impalcato	Falda	Prof. Falda [cm]	Spicc. Fond. [cm]	No. Strati	RQD
1	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
2	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
3	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
4	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
5	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
6	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
7	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
8	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
9	Colonna 1	Fondazione	Non Presente	-	0.00	1	-
10	Colonna 1	Fondazione	Non Presente	-	0.00	1	-

**Caratteristiche degli strati appartenenti alle colonne stratigrafiche:**

Colonna : nome della colonna stratigrafica;  
 Strato : nome dello strato appartenente la colonna stratigrafica;  
 Spess. : Spessore dello strato;  
 Peso : Peso dell'unità di volume dello strato;  
 Peso eff. : Peso dell'unità di volume efficace dello strato;  
 NSPT : Numero di colpi medio misurato nello strato;  
 Qc : Resistenza alla punta media misurata nello strato;  
 φ : Angolo di attrito del terreno;  
 C : Coesione drenata del terreno;  
 Cu : Coesione non drenata del terreno;



E : Modulo elastico del terreno;  
 G : Modulo di taglio del terreno;  
 $\nu_t$  : Coefficiente di Poisson;  
 $E_{ed}$  : Modulo Edometrico;  
 OCR : Grado di sovraconsolidazione del terreno.

Colonna	Strato	Spess. [cm]	Peso [daN/m <sup>3</sup> ]	Peso eff. [daN/m <sup>3</sup> ]	NSP T	Qc [daN/cm <sup>2</sup> ]	$\phi$ [°]	C [daN/cm <sup>2</sup> ]	Cu [daN/cm <sup>2</sup> ]	E [daN/cm <sup>2</sup> ]	G [daN/cm <sup>2</sup> ]	$\nu_t$	$E_{ed}$ [daN/cm <sup>2</sup> ]	OC R
<b>Colonna 1</b>	Strato1	2000.0	1800.0	800.0	10	15.00	30.0	0.30	0.70	200.00	100.00	0.35	80.00	1.00

### 3.4 Elenco dei carichi.

#### 3.4.1 Pesi propri unitari - G1.

Impalcato	Solai [daN/m <sup>2</sup> ]	Balconi [daN/m <sup>2</sup> ]	Scale [daN/m <sup>2</sup> ]
<b>Fondazione</b>	-	-	-
<b>Piano 1</b>	-	-	-
<b>Piano 2</b>	277	-	-
<b>Piano 3</b>	277	-	-

- Analisi dei Carichi -

#### Piano 2

##### Solai

Tipologia solaio prevalente: SLC\_Default( LATERO CEMENTO )

Altezza pignatta	16.0 cm
Larghezza pignatta	25.0 cm
Larghezza travetto	8.0 cm
Altezza soletina collaborante	4.0 cm
Peso dell'unità di volume calcestruzzo armato	2500.0 daN/m <sup>3</sup>
Peso Pignatte	80.0 daN/m <sup>2</sup>

**Peso Proprio Solaio: 277 daN/m<sup>2</sup>**

Tipologie solaio presenti:

- PET\_NP120(2)( PUTRELLE & TAVELLONI )

Altezza massetto	120 mm
Altezza tavelloni	60 mm
Interasse putrelle	1000 mm
Profilo acciaio	
Peso tavelloni per unità di superficie	39.0 mm
Peso proprio riempimento	2100.0 daN/m <sup>2</sup>

**Peso Proprio Solaio: 291 daN/m<sup>2</sup>**

- PET\_NP200(2)( PUTRELLE & TAVELLONI )

Altezza massetto	150 mm
Altezza tavelloni	60 mm
Interasse putrelle	1200 mm
Profilo acciaio	
Peso tavelloni per unità di superficie	39.0 mm
Peso proprio riempimento	2000.0 daN/m <sup>2</sup>

**Peso Proprio Solaio: 339 daN/m<sup>2</sup>**

#### Piano 3

##### Solai



**Tipologia solaio prevalente: SLC\_Default( LATERO CEMENTO )**

Altezza pignatta	16.0 cm
Larghezza pignatta	25.0 cm
Larghezza travetto	8.0 cm
Altezza soletta collaborante	4.0 cm
Peso dell'unità di volume calcestruzzo armato	2500.0 daN/m <sup>3</sup>
Peso Pignatte	80.0 daN/m <sup>2</sup>

**Peso Proprio Solaio: 277 daN/m<sup>2</sup>**

**Tipologie solaio presenti:**

- SLCT\_Default( LATERO CEMENTO CON ARMATURA A TRALICCIO )

Altezza pignatta	20.0 cm
Larghezza pignatta	40.0 cm
Larghezza travetto	10.0 cm
Doppio Travetto	Non Presente
Altezza soletta collaborante	4.0 cm
Peso dell'unità di volume calcestruzzo armato	2500.0 daN/m <sup>3</sup>
Peso Pignatte	80.0 daN/m <sup>2</sup>

**Peso Proprio Solaio: 280 daN/m<sup>2</sup>**

### 3.4.2 Carichi Permanenti unitari - G2.

Impalcato	Solai [daN/m <sup>2</sup> ]	Balconi [daN/m <sup>2</sup> ]	Scale [daN/m <sup>2</sup> ]	Influenza Tramezzi [daN/m <sup>2</sup> ]	Tamponature [daN/m <sup>2</sup> ]
<b>Fondazione</b>	150	150	150	100	582
<b>Piano 1</b>	150	150	150	100	582
<b>Piano 2</b>	150	150	150	100	582
<b>Piano 3</b>	150	150	150	0	0

- Analisi dei Carichi -

**Fondazione**

**Influenza Tramezzi**

Il peso proprio degli elementi divisorii interni viene ragguagliato ad un carico permanente portato uniformemente distribuito come definito dal punto 3.1.3.1 - Elementi divisorii interni (D.M. 17/01/2018)

**Piano 1**

**Influenza Tramezzi**

Il peso proprio degli elementi divisorii interni viene ragguagliato ad un carico permanente portato uniformemente distribuito come definito dal punto 3.1.3.1 - Elementi divisorii interni (D.M. 17/01/2018)

**Piano 2**

**Solai**

**Tipologia solaio prevalente:** Il carico permanente non strutturale G2 deriva dall'analisi della tipologia di solaio adottata in fase di progettazione e descritta nei relativi elaborati

**Influenza Tramezzi**

Il peso proprio degli elementi divisorii interni viene ragguagliato ad un carico permanente portato uniformemente distribuito come definito dal punto 3.1.3.1 - Elementi divisorii interni (D.M. 17/01/2018)

**Piano 3**

**Solai**

**Tipologia solaio prevalente:** Il carico permanente non strutturale G2 deriva dall'analisi della tipologia di solaio adottata in fase di progettazione e descritta nei relativi elaborati



### 3.4.3 Carichi Variabili unitari - Q.

Le intensità assunte per i carichi variabili verticali ripartiti sono riportate nella seguente tabella:

Impalcato	Carichi d'esercizio [daN/m²]		
	Solai	Balconi	Scale
<b>Fondazione</b>	200	400	400
<b>Piano 1</b>	200	400	400
<b>Piano 2</b>	200	400	400
<b>Piano 3</b>	200	400	400

### 3.4.4 Pesi Impalcati.

Ai fini della valutazione dei pesi "W" a livello dei vari impalcato, si tiene conto dei carichi di tipo G1 relativi agli elementi strutturali e dei carichi di tipo G2 relativi agli elementi non strutturali sommati ai sovraccarichi d'esercizio Qk moltiplicati per una aliquota  $\Psi_{2i}$  (determinata dalla destinazione d'uso dell'opera ai vari piani

$$W_i = G1_i + G2_i + \Psi_{2i} \cdot Q_{ki}$$

Dove il pedice "i" è il piano i-esimo della struttura.

Impalcato	Destinazione	$\Psi_{2i}$
Fondazione	Categoria A: Ambienti ad uso residenziale	0.3
Piano 1	Categoria A: Ambienti ad uso residenziale	0.3
Piano 2	Categoria A: Ambienti ad uso residenziale	0.3
Piano 3	Categoria A: Ambienti ad uso residenziale	0.3

Per balconi e scale verranno usati i coefficienti calcolati come i maggiori tra quelli relativi alla categoria di carico di piano ed i seguenti:

Cat.	Destinazione	$\Psi_{2i}$
C2	Balconi, ballatoi e scale	0.6

Imp. Reale	G [daN]	Q [daN]	W (SLV-SLD) [daN]
<b>Fondazione</b>	83809.60	0.00	83809.60
<b>Piano 1</b>	213882.96	673.02	214084.86
<b>Piano 2</b>	464306.95	47602.43	478587.68
<b>Piano 3</b>	470475.44	13450.58	474510.62

### 3.4.5 Carico del Vento.

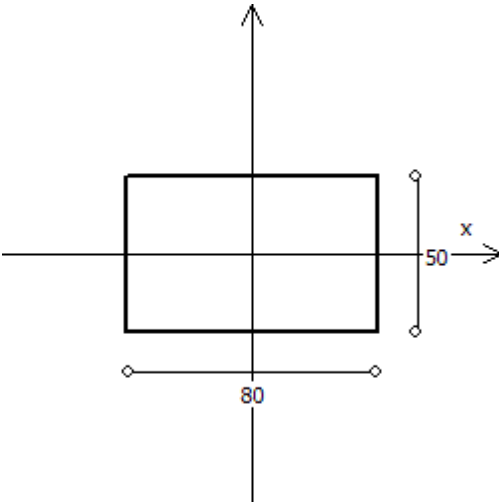
Carico da vento su metro quadro di superficie che agisce sulle pareti perimetrali della struttura.

$$q_{\text{vento}} = 0.0 \text{ daN/m}^2$$

## 3.5 Elenco e Caratteristiche delle sezioni trasversali.

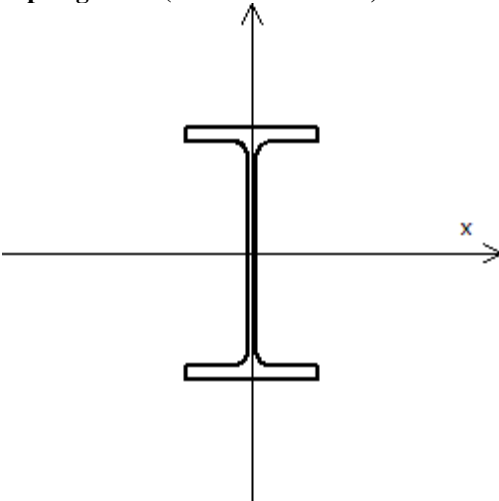
### Tipologia N.1 (Sezione di Fondazione)





A	= 4000 cm <sup>2</sup>
J <sub>x</sub>	= 833333 cm <sup>4</sup>
J <sub>y</sub>	= 2133333 cm <sup>4</sup>
J <sub>t</sub>	= 2027083 cm <sup>4</sup>
Materiale	= Muratura1
Peso	= 720 daN/ml

**Tipologia N.3 (Sezione Metallica)**



Nome	= IPE120
A	= 13 cm <sup>2</sup>
J <sub>x</sub>	= 317.79 cm <sup>4</sup>
J <sub>y</sub>	= 27.67 cm <sup>4</sup>
J <sub>xy</sub>	= 0.00 cm <sup>4</sup>
J <sub>t</sub>	= 1.39 cm <sup>4</sup>
Materiale	= Acciaio1
Peso	= 10.37 daN/ml

**3.6 Elenco dei vincoli interni degli elementi monodimensionali.**

Piano	: piano al quale appartiene l'elemento;
Fili Fissi	: fili fissi a cui è collegato l'elemento;
Tipo elemento	: Tipologia dell'elemento monodimensionale (Trave fondazione, Trave elevazione, Pilastro)
NI	: Nodo iniziale (I = Incastro; C = Cerniera)



NF : Nodo finale (I = Incastro; C = Cerniera)

Piano	Fili Fissi	Tipo elemento	NI	NF
Fondazione	2-1	Trave Fondazione	I	I
Fondazione	1-8	Trave Fondazione	I	I
Fondazione	3-2	Trave Fondazione	I	I
Fondazione	2-9	Trave Fondazione	I	I
Fondazione	4-3	Trave Fondazione	I	I
Fondazione	5-4	Trave Fondazione	I	I
Fondazione	6-5	Trave Fondazione	I	I
Fondazione	10-5	Trave Fondazione	I	I
Fondazione	7-6	Trave Fondazione	I	I
Fondazione	8-7	Trave Fondazione	I	I
Fondazione	7-10	Trave Fondazione	I	I
Fondazione	8-9	Trave Fondazione	I	I
Fondazione	9-10	Trave Fondazione	I	I

### 3.7 Geometria Struttura.

#### 3.7.1 Fili Fissi.

Numero : numerazione del filo fisso.

Ascissa : coordinata X del filo fisso.

Ordinata : coordinata Y del filo fisso.

Angolo : angolo del filo fisso (in gradi);

Tipo : tipo del filo fisso.

Numero	Ascissa [cm]	Ordinata [cm]	Quota [cm]	Angolo [°]	Tipo
1	0.00	0.00	0.00	0.00	7
2	0.00	773.30	0.00	0.00	4
3	0.00	1165.70	0.00	0.00	1
4	2199.40	1165.70	0.00	0.00	3
5	2199.40	773.30	0.00	0.00	6
6	2199.40	0.00	0.00	0.00	9
7	1283.40	0.00	0.00	0.00	8
8	923.00	0.00	0.00	0.00	8
9	923.00	773.30	0.00	0.00	5
10	1283.40	773.30	0.00	0.00	5

#### 3.7.2 Caratteristiche dei nodi.

I dati seguenti riportano tutte le caratteristiche relative ai nodi che definiscono la struttura ed in modo particolare:

Nodo : numerazione interna del nodo.

Coordinate : coordinate del nodo secondo il sistema di riferimento globale cartesiano.



Imp. : impalcato di appartenenza del nodo.  
 Slave : nodo dipendente da un nodo MASTER definito nella tabella specifica;  
 Vincoli : eventuali vincoli esterni del nodo in ognuna delle 6 direzioni:  
     x : direzione X rispetto al sistema di riferimento globale;  
     y : direzione Y rispetto al sistema di riferimento globale;  
     z : direzione Z rispetto al sistema di riferimento globale;  
     Rx : rotazione attorno all'asse X del sistema di riferimento globale;  
     Ry : rotazione attorno all'asse Y del sistema di riferimento globale;  
     Rz : rotazione attorno all'asse Z del sistema di riferimento globale;  
  
 Inoltre:  
     np : non presenza di vincoli;  
     p : valore infinito della rigidità;  
     Kt : valore finito delle rigidità traslazionali da leggere nella tabella specifica;  
     Kr : valore finito delle rigidità rotazionali da leggere nella tabella specifica;

Masse Nodali:

M : valore della massa traslazionale  
 MIx : valore del momento d'inerzia della massa attorno all'asse X  
 MIy : valore del momento d'inerzia della massa attorno all'asse Y  
 MIz : valore del momento d'inerzia della massa attorno all'asse Z

Nodo	Coordinate [cm]			Impalcato	Slave	Vincoli						Masse Nodali			
	x	y	z			x	y	z	Rx	Ry	Rz	M [daNM]	MIx [daNM*cm <sup>2</sup> ]	MIy [daNM*cm <sup>2</sup> ]	MIz [daNM*cm <sup>2</sup> ]
1	0.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
2	0.0	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
3	0.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
4	2199.4	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
5	2199.4	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
6	2199.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
7	1283.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
8	923.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
9	923.0	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
10	1283.4	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
11	0.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
12	0.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
13	0.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
14	2199.4	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
15	2199.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
16	2199.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
17	1283.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
18	923.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
19	923.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
20	1283.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
21	0.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
22	0.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
23	0.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
24	2199.4	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
25	2199.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
26	2199.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
27	1283.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00



28	923.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
29	923.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
30	1283.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
31	0.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
32	0.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
33	0.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
34	2199.4	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
35	2199.4	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
36	2199.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
37	1283.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
38	923.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
39	923.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
40	1283.4	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
41	0.0	605.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
42	0.0	605.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
43	0.0	705.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
44	0.0	705.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
45	200.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
46	200.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
47	300.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
48	440.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
49	440.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
50	300.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
51	540.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
52	680.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
53	680.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
54	540.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
55	780.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
56	780.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
57	205.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
58	205.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
59	305.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
60	1545.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
61	1545.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
62	305.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
63	1645.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
64	1880.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
65	1880.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
66	1645.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
67	1980.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
68	1980.0	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
69	2199.4	893.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
70	2199.4	893.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
71	2199.4	993.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
72	2199.4	993.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
73	1413.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



# Relazione di calcolo - Comune di Terni

74	1413.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
75	1513.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
76	1653.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
77	1653.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
78	1513.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
79	1753.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
80	1893.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
81	1893.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
82	1753.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
83	1993.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
84	1993.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
85	1010.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
86	1010.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
87	1190.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
88	1190.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
89	0.0	95.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
90	0.0	95.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
91	0.0	210.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
92	0.0	565.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
93	0.0	565.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
94	0.0	210.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
95	0.0	740.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
96	0.0	740.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
97	155.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
98	155.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
99	330.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
100	395.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
101	395.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
102	330.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
103	570.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
104	635.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
105	635.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
106	570.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
107	810.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
108	810.0	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
109	0.0	859.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
110	0.0	859.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
111	0.0	1049.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
112	0.0	1049.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
113	181.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
114	181.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
115	321.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
116	632.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
117	632.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
118	321.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
119	772.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
120	772.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
121	165.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
122	165.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
123	340.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
124	501.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
125	501.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



126	340.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
127	676.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
128	850.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
129	850.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
130	676.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
131	950.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
132	1042.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
133	1042.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
134	950.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
135	1142.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
136	1231.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
137	1231.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
138	1142.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
139	1331.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
140	1506.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
141	1506.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
142	1331.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
143	1681.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
144	1843.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
145	1843.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
146	1681.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
147	2018.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
148	2018.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
149	2199.4	860.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
150	2199.4	860.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
151	2199.4	1035.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
152	2199.4	1035.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
153	2199.4	565.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
154	2199.4	565.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
155	2199.4	740.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
156	2199.4	740.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
157	1436.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
158	1436.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
159	1576.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
160	1729.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
161	1729.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
162	1576.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



163	1869.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
164	1869.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
165	1379.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
166	1379.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
167	1554.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
168	1619.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
169	1619.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
170	1554.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
171	1794.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
172	1859.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
173	1859.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
174	1794.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
175	2034.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
176	2034.4	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
177	1010.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
178	1190.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
179	1283.4	95.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
180	1283.4	95.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
181	1283.4	210.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
182	1283.4	210.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
183	963.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
184	963.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
185	1103.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
186	1103.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
187	0.0	582.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
188	0.0	582.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
189	0.0	722.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
190	0.0	722.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
191	176.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
192	176.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
193	316.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
194	416.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
195	416.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
196	316.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
197	556.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
198	659.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
199	659.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
200	556.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
201	799.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
202	799.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
203	0.0	883.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
204	0.0	883.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00



# Relazione di calcolo - Comune di Terni

205	0.0	1023.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
206	0.0	1023.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
207	490.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
208	490.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
209	605.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
210	605.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
211	173.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
212	173.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
213	313.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
214	511.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
215	511.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
216	313.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
217	651.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
218	1014.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
219	1014.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
220	651.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
221	1159.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
222	1526.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
223	1526.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
224	1159.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
225	1666.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
226	1864.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
227	1864.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
228	1666.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
229	2004.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
230	2004.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
231	2199.4	877.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
232	2199.4	877.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
233	2199.4	1017.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
234	2199.4	1017.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
235	1408.4	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
236	1408.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
237	1399.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
238	1399.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
239	1539.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
240	1639.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
241	1639.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
242	1539.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00



# Relazione di calcolo - Comune di Terni

243	1779.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
244	1879.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
245	1879.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
246	1779.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
247	2019.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
248	2019.4	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
249	1025.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
250	1025.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
251	1165.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
252	1165.0	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
253	1283.4	618.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
254	1283.4	618.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
255	1283.4	717.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
256	1283.4	717.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
257	923.0	618.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
258	923.0	618.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
259	923.0	717.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
260	923.0	717.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
261	1023.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
262	1023.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
263	1173.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
264	1173.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
265	0.0	152.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
266	0.0	298.8	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
267	0.0	387.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
268	0.0	476.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
269	0.0	86.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
270	0.0	172.9	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
271	0.0	259.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
272	0.0	345.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
273	0.0	432.1	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
274	0.0	518.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
275	0.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
276	0.0	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
277	77.5	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
278	866.5	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
279	100.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
280	370.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
281	610.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
282	851.5	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
283	923.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
284	0.0	954.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
285	0.0	1107.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
286	0.0	871.4	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
287	0.0	969.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
288	0.0	1067.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
289	0.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
290	90.5	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
291	251.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
292	398.8	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
293	476.5	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



294	554.3	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
295	702.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
296	847.5	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
297	92.3	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
298	184.6	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
299	276.9	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
300	369.2	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
301	461.5	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
302	553.8	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
303	646.1	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
304	738.4	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
305	830.7	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
306	923.0	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
307	82.5	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
308	420.5	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
309	588.5	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
310	763.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
311	1418.5	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
312	1762.0	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
313	2108.7	1165.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
314	68.3	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
315	136.7	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
316	400.4	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
317	495.8	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
318	591.2	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
319	686.5	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
320	781.9	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
321	877.3	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
322	972.7	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
323	1068.1	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
324	1163.5	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
325	1258.8	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
326	1354.2	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
327	1449.6	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
328	1723.3	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
329	1801.7	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
330	2053.1	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
331	2126.3	1165.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
332	2199.4	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
333	2199.4	1100.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
334	2199.4	833.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
335	2199.4	1079.5	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
336	2199.4	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



337	2199.4	94.2	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
338	2199.4	188.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
339	2199.4	282.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
340	2199.4	376.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
341	2199.4	470.8	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
342	2199.4	652.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
343	2199.4	96.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
344	2199.4	193.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
345	2199.4	290.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
346	2199.4	386.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
347	2199.4	483.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
348	2199.4	580.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
349	2199.4	676.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
350	2199.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
351	1359.9	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
352	1506.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
353	1652.9	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
354	1799.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
355	1951.9	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
356	2034.4	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
357	2116.9	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
358	1375.0	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
359	1466.6	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
360	1558.2	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
361	1649.8	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
362	1741.4	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
363	1833.0	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
364	1924.6	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
365	2016.2	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
366	2107.8	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
367	1283.4	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
368	2116.9	0.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
369	1348.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
370	1583.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
371	1823.4	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
372	2062.1	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
373	2130.7	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



374	1283.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
375	1100.0	0.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
376	1283.4	152.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
377	1283.4	303.9	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
378	1283.4	397.8	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
379	1283.4	491.6	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
380	1283.4	585.5	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
381	1283.4	679.4	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
382	1283.4	96.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
383	1283.4	193.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
384	1283.4	290.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
385	1283.4	386.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
386	1283.4	483.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
387	1283.4	580.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
388	1283.4	676.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
389	923.0	96.7	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
390	923.0	193.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
391	923.0	290.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
392	923.0	386.6	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
393	923.0	483.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
394	923.0	580.0	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
395	923.0	676.6	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
396	923.0	96.7	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
397	923.0	193.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
398	923.0	290.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
399	923.0	386.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
400	923.0	483.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
401	923.0	580.0	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
402	923.0	676.6	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
403	1033.0	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
404	1193.2	773.3	200.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
405	1013.1	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
406	1103.2	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
407	1193.3	773.3	0.0	Fondazione	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
408	0.0	152.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
409	0.0	298.8	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
410	0.0	387.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
411	0.0	476.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
412	0.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
413	0.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
414	0.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
415	0.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
416	0.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
417	0.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
418	0.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
419	0.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
420	77.5	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
421	866.5	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
422	923.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
423	923.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
424	923.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
425	923.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



426	0.0	1107.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
427	0.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
428	0.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
429	0.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
430	0.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
431	90.5	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
432	251.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
433	405.5	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
434	547.5	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
435	702.0	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
436	847.5	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
437	923.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
438	923.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
439	923.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
440	923.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
441	82.5	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
442	420.5	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
443	763.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
444	1418.5	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
445	1762.0	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
446	2108.7	1165.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
447	2199.4	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
448	2199.4	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
449	2199.4	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
450	2199.4	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
451	2199.4	1100.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
452	2199.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
453	2199.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
454	2199.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
455	2199.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
456	2199.4	94.2	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
457	2199.4	188.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
458	2199.4	282.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
459	2199.4	376.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
460	2199.4	470.8	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
461	2199.4	652.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
462	2199.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
463	2199.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
464	2199.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
465	2199.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
466	1345.9	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
467	1506.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00



468	1652.9	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
469	1799.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
470	1951.9	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
471	2034.4	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
472	2116.9	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
473	1283.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
474	1283.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
475	1283.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
476	1283.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
477	2116.9	0.0	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
478	1283.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
479	1283.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
480	1283.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
481	1283.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
482	1283.4	152.5	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
483	1283.4	291.6	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
484	1283.4	373.2	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
485	1283.4	454.8	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
486	1283.4	536.4	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
487	923.0	88.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
488	923.0	176.6	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
489	923.0	264.9	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
490	923.0	353.1	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
491	923.0	441.4	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
492	923.0	529.7	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
493	1228.2	773.3	683.0	Piano 2	M1	np	np	np	np	np	np	0.00	0.00	0.00	0.00
494	0.0	97.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
495	0.0	194.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
496	0.0	291.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
497	0.0	388.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
498	0.0	485.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
499	0.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
500	0.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
501	0.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
502	0.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
503	0.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
504	0.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
505	88.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
506	607.5	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
507	861.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
508	923.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
509	923.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
510	923.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
511	0.0	828.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00



512	0.0	1094.5	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
513	0.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
514	0.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
515	0.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
516	98.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
517	196.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
518	294.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
519	392.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
520	684.5	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
521	764.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
522	843.5	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
523	923.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
524	923.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
525	923.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
526	86.5	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
527	412.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
528	741.8	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
529	832.5	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
530	923.2	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
531	1250.8	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
532	1342.5	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
533	1434.3	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
534	1765.0	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
535	2101.7	1165.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
536	2199.4	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
537	2199.4	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
538	2199.4	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
539	2199.4	825.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
540	2199.4	1091.5	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
541	2199.4	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
542	2199.4	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
543	2199.4	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
544	2199.4	96.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
545	2199.4	193.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
546	2199.4	290.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
547	2199.4	386.6	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
548	2199.4	483.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
549	2199.4	580.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00



550	2199.4	676.6	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
551	2199.4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
552	2199.4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
553	2199.4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
554	1507.3	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
555	1606.2	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
556	1705.0	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
557	1803.9	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
558	1902.8	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
559	2001.6	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
560	2100.5	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
561	1283.4	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
562	1283.4	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
563	1283.4	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
564	1341.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
565	2109.4	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
566	1283.4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
567	1283.4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
568	1283.4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
569	974.0	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
570	1224.2	0.0	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
571	1283.4	88.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
572	1283.4	176.6	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
573	1283.4	264.9	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
574	1283.4	353.1	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
575	1283.4	441.4	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
576	1283.4	529.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
577	923.0	88.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
578	923.0	176.6	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
579	923.0	264.9	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
580	923.0	353.1	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
581	923.0	441.4	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
582	923.0	529.7	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
583	1228.2	773.3	1070.0	Piano 3	M2	np	np	np	np	np	np	0.00	0.00	0.00	0.00
584	0.0	605.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
585	0.0	705.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
586	0.0	288.9	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
587	0.0	279.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
588	0.0	269.2	50.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
589	0.0	166.1	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



590	0.0	159.3	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
591	0.0	89.3	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
592	0.0	92.1	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
593	0.0	534.2	103.2	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
594	0.0	372.0	127.8	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
595	0.0	452.4	105.4	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
596	0.0	356.2	66.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
597	0.0	323.7	38.8	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
598	0.0	219.4	161.1	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
599	200.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
600	440.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
601	300.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
602	680.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
603	540.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
604	780.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
605	100.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
606	88.8	0.0	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
607	147.9	0.0	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
608	370.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
609	386.7	0.0	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
610	378.3	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
611	332.8	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
612	338.8	0.0	158.2	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
613	411.9	0.0	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
614	410.1	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
615	610.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
616	626.7	0.0	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
617	618.3	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
618	572.8	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
619	578.8	0.0	158.2	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
620	651.9	0.0	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
621	650.1	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
622	851.5	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
623	861.5	0.0	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
624	856.5	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
625	812.2	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
626	817.1	0.0	157.8	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
627	891.4	0.0	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
628	890.3	0.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
629	0.0	959.4	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
630	0.0	964.4	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
631	0.0	867.4	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
632	0.0	863.3	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
633	0.0	818.3	116.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
634	0.0	1091.6	102.6	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
635	0.0	1029.4	126.9	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
636	0.0	1020.5	64.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
637	0.0	817.0	138.9	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
638	0.0	819.7	61.1	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
639	839.1	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
640	756.1	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
641	674.4	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
642	591.7	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
643	507.5	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
644	422.7	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
645	337.8	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
646	254.1	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
647	172.1	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
648	101.9	773.3	104.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
649	64.1	773.3	134.9	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
650	205.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
651	1545.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
652	305.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
653	1880.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
654	1645.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



655	1980.0	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
656	143.8	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
657	73.1	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
658	1469.7	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
659	1383.7	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
660	1291.9	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
661	1198.1	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
662	1103.5	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
663	1008.2	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
664	912.6	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
665	817.8	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
666	725.4	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
667	633.7	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
668	542.2	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
669	451.9	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
670	381.6	1165.7	103.4	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
671	342.2	1165.7	134.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
672	1801.7	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
673	1723.3	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
674	1749.1	1165.7	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
675	1752.2	1165.7	129.6	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
676	1702.2	1165.7	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
677	1819.2	1165.7	149.2	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
678	1791.0	1165.7	126.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
679	2117.5	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
680	2044.3	1165.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
681	2199.4	893.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
682	2199.4	993.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
683	2199.4	837.8	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
684	2199.4	1079.5	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
685	2199.4	1093.5	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
686	2199.4	1086.5	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
687	2199.4	1033.7	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
688	2199.4	1040.8	157.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
689	2199.4	1128.4	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
690	2199.4	1126.9	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
691	2199.4	380.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



692	2199.4	383.3	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
693	2199.4	191.7	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
694	2199.4	190.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
695	2199.4	95.8	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
696	2199.4	95.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
697	2199.4	47.5	116.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
698	2199.4	699.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
699	2199.4	613.2	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
700	2199.4	528.6	102.6	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
701	2199.4	455.9	126.9	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
702	2199.4	440.9	64.5	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
703	2199.4	287.5	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
704	2199.4	285.0	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
705	2199.4	47.8	61.1	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
706	2112.3	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
707	2025.3	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
708	1938.3	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
709	1853.3	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
710	1771.1	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
711	1688.7	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
712	1605.3	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
713	1522.5	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
714	1441.0	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
715	1373.2	773.3	104.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
716	1338.8	773.3	134.8	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
717	1413.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
718	1653.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
719	1513.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
720	1893.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
721	1753.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
722	1993.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
723	1353.6	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
724	1583.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
725	1568.9	0.0	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
726	1613.9	0.0	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
727	1823.4	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
728	1808.9	0.0	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



729	1853.9	0.0	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
730	2123.8	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
731	2055.1	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
732	1010.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
733	1190.0	0.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
734	1283.4	392.7	104.2	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
735	1283.4	197.5	50.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
736	1283.4	201.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
737	1283.4	205.8	150.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
738	1283.4	96.1	66.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
739	1283.4	95.6	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
740	1283.4	47.8	116.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
741	1283.4	678.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
742	1283.4	582.8	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
743	1283.4	487.6	100.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
744	1283.4	299.1	125.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
745	1283.4	291.9	65.8	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
746	1283.4	259.8	38.6	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
747	1283.4	151.3	161.1	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
748	1283.4	48.0	61.1	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
749	923.0	676.6	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
750	923.0	580.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
751	923.0	483.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
752	923.0	386.6	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
753	923.0	290.0	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
754	923.0	193.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
755	923.0	96.7	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
756	1103.1	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
757	1013.0	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
758	1026.3	773.3	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
759	1019.7	773.3	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
760	964.1	773.3	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
761	970.7	773.3	157.8	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
762	1193.3	773.3	100.0	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
763	1063.6	773.3	166.7	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
764	1062.1	773.3	133.3	Piano 1	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
765	0.0	95.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
766	0.0	95.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
767	0.0	95.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
768	0.0	95.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
769	0.0	565.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
770	0.0	565.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
771	0.0	565.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
772	0.0	565.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
773	0.0	210.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
774	0.0	210.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
775	0.0	210.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



776	0.0	210.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
777	0.0	740.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
778	0.0	740.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
779	0.0	740.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
780	0.0	740.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
781	0.0	476.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
782	0.0	387.5	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
783	0.0	298.8	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
784	0.0	476.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
785	0.0	476.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
786	0.0	476.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
787	0.0	387.5	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
788	0.0	298.8	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
789	0.0	387.5	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
790	0.0	387.5	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
791	0.0	298.8	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
792	0.0	298.8	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
793	155.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
794	155.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
795	155.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
796	155.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
797	395.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
798	395.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
799	395.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
800	395.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
801	330.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
802	330.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
803	330.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
804	330.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
805	635.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
806	635.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
807	635.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
808	635.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
809	570.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
810	570.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
811	570.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
812	570.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
813	810.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
814	810.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
815	810.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
816	810.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
817	77.5	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
818	77.5	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
819	77.5	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
820	77.5	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
821	866.5	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
822	866.5	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
823	866.5	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
824	866.5	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
825	0.0	859.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
826	0.0	859.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
827	0.0	859.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
828	0.0	859.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
829	0.0	1049.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
830	0.0	1049.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
831	0.0	1049.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
832	0.0	1049.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
833	0.0	1107.5	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
834	0.0	1107.5	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
835	0.0	1107.5	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
836	0.0	1107.5	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
837	181.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
838	181.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
839	181.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
840	181.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



841	632.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
842	632.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
843	632.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
844	632.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
845	321.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
846	321.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
847	321.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
848	321.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
849	772.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
850	772.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
851	772.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
852	772.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
853	90.5	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
854	90.5	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
855	90.5	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
856	90.5	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
857	554.3	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
858	476.5	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
859	398.8	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
860	485.5	773.3	618.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
861	481.0	773.3	554.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
862	401.0	773.3	554.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
863	403.4	773.3	613.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
864	398.8	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
865	398.8	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
866	554.3	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
867	476.5	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
868	476.5	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
869	554.3	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
870	580.7	773.3	589.1	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
871	534.5	773.3	611.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
872	523.2	773.3	551.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
873	847.5	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
874	847.5	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
875	847.5	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
876	847.5	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
877	165.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
878	165.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
879	165.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
880	165.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
881	501.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
882	501.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
883	501.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
884	501.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
885	340.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
886	340.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
887	340.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
888	340.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
889	850.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
890	850.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
891	850.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
892	850.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
893	676.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
894	676.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



895	676.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
896	676.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
897	1042.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
898	1042.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
899	1042.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
900	1042.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
901	950.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
902	950.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
903	950.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
904	950.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
905	1231.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
906	1231.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
907	1231.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
908	1231.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
909	1142.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
910	1142.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
911	1142.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
912	1142.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
913	1506.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
914	1506.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
915	1506.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
916	1506.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
917	1331.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
918	1331.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
919	1331.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
920	1331.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
921	1843.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
922	1843.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
923	1843.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
924	1843.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
925	1681.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
926	1681.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
927	1681.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
928	1681.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
929	2018.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
930	2018.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
931	2018.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



932	2018.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
933	82.5	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
934	82.5	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
935	82.5	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
936	82.5	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
937	420.5	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
938	420.5	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
939	420.5	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
940	420.5	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
941	763.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
942	763.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
943	763.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
944	763.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
945	1418.5	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
946	1418.5	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
947	1418.5	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
948	1418.5	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
949	1762.0	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
950	1762.0	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
951	1762.0	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
952	1762.0	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
953	2108.7	1165.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
954	2108.7	1165.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
955	2108.7	1165.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
956	2108.7	1165.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
957	2199.4	860.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
958	2199.4	860.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
959	2199.4	860.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
960	2199.4	860.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
961	2199.4	1035.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
962	2199.4	1035.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
963	2199.4	1035.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
964	2199.4	1035.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
965	2199.4	1100.5	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
966	2199.4	1100.5	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
967	2199.4	1100.5	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
968	2199.4	1100.5	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



969	2199.4	565.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
970	2199.4	565.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
971	2199.4	565.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
972	2199.4	565.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
973	2199.4	740.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
974	2199.4	740.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
975	2199.4	740.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
976	2199.4	740.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
977	2199.4	470.8	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
978	2199.4	470.8	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
979	2199.4	470.8	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
980	2199.4	470.8	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
981	2199.4	376.7	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
982	2199.4	376.7	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
983	2199.4	376.7	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
984	2199.4	376.7	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
985	2199.4	282.5	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
986	2199.4	188.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
987	2199.4	94.2	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
988	2199.4	282.5	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
989	2199.4	282.5	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
990	2199.4	282.5	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
991	2199.4	188.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
992	2199.4	94.2	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
993	2199.4	188.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
994	2199.4	188.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
995	2199.4	94.2	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
996	2199.4	94.2	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
997	1436.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
998	1436.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
999	1436.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1000	1436.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1001	1729.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1002	1729.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1003	1729.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1004	1729.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1005	1576.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1006	1576.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1007	1576.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1008	1576.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1009	1869.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1010	1869.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1011	1869.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1012	1869.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1013	1359.9	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1014	1359.9	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1015	1352.9	773.3	634.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1016	1359.9	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1017	1359.9	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1018	1399.2	773.3	634.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1019	1652.9	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1020	1652.9	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1021	1652.9	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1022	1652.9	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1023	2116.9	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1024	2034.4	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1025	1951.9	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1026	2116.9	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1027	2116.9	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1028	2116.9	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1029	2034.4	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1030	1951.9	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1031	2034.4	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1032	2034.4	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1033	1951.9	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1034	1951.9	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1035	1379.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1036	1379.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1037	1379.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1038	1379.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1039	1619.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1040	1619.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1041	1619.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1042	1619.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1043	1554.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1044	1554.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1045	1554.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1046	1554.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1047	1859.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1048	1859.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1049	1859.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1050	1859.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1051	1794.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1052	1794.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1053	1794.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1054	1794.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1055	2034.4	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1056	2034.4	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1057	2034.4	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1058	2034.4	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1059	2116.9	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1060	2116.9	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1061	2116.9	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1062	2116.9	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1063	1010.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1064	1010.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1065	1010.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1066	1010.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1067	1190.0	0.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1068	1190.0	0.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1069	1190.0	0.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1070	1190.0	0.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1071	1283.4	95.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1072	1283.4	95.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1073	1283.4	95.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1074	1283.4	95.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1075	1283.4	210.0	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1076	1283.4	210.0	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1077	1283.4	210.0	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1078	1283.4	210.0	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1079	1283.4	460.9	602.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1080	1283.4	467.1	522.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1081	1283.4	473.2	441.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1082	1283.4	479.4	361.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1083	1283.4	485.5	280.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1084	1283.4	275.8	405.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1085	1283.4	341.6	417.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1086	1283.4	407.4	429.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1087	1283.4	272.7	590.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1088	1283.4	335.5	594.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1089	1283.4	398.2	598.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1090	1283.4	282.2	636.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1091	1283.4	539.4	598.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1092	1283.4	617.9	594.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1093	1283.4	699.4	590.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1094	1283.4	543.3	513.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1095	1283.4	619.4	504.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1096	1283.4	695.9	495.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1097	1283.4	694.0	399.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1098	1283.4	687.3	300.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1099	1283.4	544.5	424.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1100	1283.4	616.2	407.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1101	1283.4	608.8	307.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1102	1283.4	543.1	342.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1103	1283.4	538.0	274.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1104	1283.4	402.3	354.1	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1105	1283.4	397.0	279.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1106	1283.4	306.4	280.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1107	1283.4	331.8	350.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1108	1283.4	272.5	350.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1109	1283.4	274.3	497.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1110	1283.4	338.5	505.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1111	1283.4	402.8	514.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1112	1283.4	347.3	638.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1113	1283.4	400.1	639.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1114	923.0	358.5	601.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1115	923.0	364.3	522.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1116	923.0	370.3	437.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1117	923.0	375.5	361.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1118	923.0	381.1	280.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1119	923.0	74.0	402.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1120	923.0	148.0	412.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1121	923.0	221.9	422.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1122	923.0	295.9	431.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1123	923.0	191.7	596.1	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1124	923.0	206.8	509.1	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1125	923.0	68.9	496.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1126	923.0	137.9	502.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1127	923.0	63.9	589.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1128	923.0	127.8	592.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1129	923.0	76.1	636.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1130	923.0	442.1	598.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1131	923.0	525.7	595.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1132	923.0	609.4	591.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1133	923.0	694.8	588.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1134	923.0	689.5	492.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1135	923.0	685.2	395.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1136	923.0	681.0	297.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1137	923.0	444.6	513.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1138	923.0	524.9	505.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1139	923.0	605.9	496.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1140	923.0	601.2	400.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1141	923.0	591.3	300.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1142	923.0	444.5	424.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1143	923.0	519.5	407.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1144	923.0	509.6	307.5	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1145	923.0	441.7	342.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1146	923.0	435.4	274.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1147	923.0	293.9	354.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1148	923.0	292.0	277.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1149	923.0	210.2	349.3	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1150	923.0	198.1	276.9	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1151	923.0	102.3	279.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1152	923.0	133.2	347.0	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1153	923.0	69.1	348.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1154	923.0	285.6	515.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1155	923.0	275.1	599.1	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1156	923.0	126.8	637.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1157	963.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1158	963.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1159	963.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1160	963.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1161	1103.0	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1162	1103.0	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1163	1103.0	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1164	1103.0	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1165	1193.2	773.3	489.8	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1166	1193.2	773.3	586.4	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1167	1183.1	773.3	634.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1168	1193.2	773.3	296.6	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1169	1193.2	773.3	393.2	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1170	1231.6	773.3	634.7	Piano 2	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1171	0.0	582.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1172	0.0	582.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1173	0.0	582.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1174	0.0	722.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1175	0.0	722.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1176	0.0	722.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1177	0.0	86.1	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1178	0.0	88.2	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1179	0.0	92.1	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1180	0.0	159.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1181	0.0	170.1	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1182	0.0	181.6	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



# Relazione di calcolo - Comune di Terni

1183	0.0	237.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1184	0.0	255.8	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1185	0.0	273.6	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1186	0.0	314.8	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1187	0.0	338.4	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1188	0.0	363.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1189	0.0	526.6	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1190	0.0	462.6	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1191	0.0	393.6	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1192	0.0	411.6	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1193	0.0	446.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1194	0.0	529.9	865.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1195	0.0	479.7	875.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1196	0.0	511.7	970.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1197	0.0	541.2	936.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1198	0.0	747.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1199	0.0	747.6	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1200	0.0	746.4	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1201	0.0	747.6	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1202	176.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1203	176.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1204	176.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1205	416.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1206	416.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1207	416.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1208	316.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1209	316.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1210	316.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1211	659.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1212	659.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1213	659.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1214	556.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1215	556.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1216	556.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1217	799.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1218	799.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1219	799.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1220	118.1	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1221	60.5	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1222	58.7	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1223	117.3	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1224	110.8	0.0	1037.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1225	107.6	0.0	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1226	73.3	0.0	1021.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1227	63.7	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1228	125.4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1229	142.9	0.0	1037.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1230	142.1	0.0	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1231	384.7	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1232	346.8	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1233	384.6	0.0	865.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1234	355.6	0.0	875.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1235	367.8	0.0	970.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1236	389.4	0.0	936.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1237	623.8	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1238	588.4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1239	590.3	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1240	624.7	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1241	584.9	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1242	624.4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1243	584.6	0.0	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1244	880.4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1245	837.4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1246	840.3	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1247	881.7	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1248	832.3	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1249	876.2	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1250	833.4	0.0	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1251	0.0	883.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1252	0.0	883.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1253	0.0	883.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1254	0.0	1023.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1255	0.0	1023.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1256	0.0	1023.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1257	0.0	833.5	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1258	0.0	829.2	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1259	0.0	828.4	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1260	0.0	1117.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1261	0.0	1068.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1262	0.0	1070.8	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1263	0.0	1118.2	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1264	0.0	1065.1	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1265	0.0	1114.4	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1266	0.0	1062.9	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1267	490.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1268	490.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1269	490.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1270	605.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1271	605.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1272	605.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1273	193.8	773.3	992.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1274	190.0	773.3	915.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1275	187.0	773.3	837.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1276	184.0	773.3	760.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1277	93.5	773.3	857.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1278	96.5	773.3	999.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1279	95.0	773.3	928.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1280	48.3	773.3	986.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1281	291.0	773.3	988.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1282	390.0	773.3	981.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1283	262.7	773.3	758.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1284	274.6	773.3	832.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1285	286.4	773.3	908.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1286	384.9	773.3	898.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1287	339.2	773.3	752.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1288	376.9	773.3	816.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1289	411.6	773.3	738.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1290	92.0	773.3	770.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1291	47.7	773.3	930.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1292	859.4	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1293	795.8	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1294	732.2	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1295	668.6	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1296	753.2	773.3	1006.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1297	742.8	773.3	941.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1298	673.9	773.3	957.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1299	679.2	773.3	1013.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1300	657.5	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1301	719.5	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1302	785.6	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1303	854.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1304	806.6	773.3	939.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1305	834.8	773.3	998.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1306	863.0	773.3	929.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1307	173.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1308	173.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1309	173.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1310	511.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1311	511.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1312	511.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1313	313.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1314	313.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1315	313.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1316	1014.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1317	1014.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1318	1014.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1319	651.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1320	651.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1321	651.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1322	1526.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1323	1526.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1324	1526.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1325	1159.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1326	1159.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1327	1159.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1328	1864.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1329	1864.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1330	1864.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1331	1666.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1332	1666.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1333	1666.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1334	2004.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1335	2004.0	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1336	2004.0	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1337	116.4	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1338	60.1	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1339	57.7	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1340	115.3	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1341	108.9	1165.7	1037.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1342	105.7	1165.7	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1343	72.1	1165.7	1021.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1344	64.3	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1345	126.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1346	140.4	1165.7	1037.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1347	139.7	1165.7	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1348	469.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1349	417.8	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1350	363.4	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1351	371.8	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1352	390.6	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1353	469.4	1165.7	865.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1354	428.5	1165.7	875.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1355	450.7	1165.7	970.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1356	477.0	1165.7	936.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1357	941.4	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1358	868.8	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1359	796.2	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1360	723.6	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1361	820.2	1165.7	1006.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1362	808.3	1165.7	941.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1363	729.7	1165.7	957.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1364	735.7	1165.7	1013.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1365	710.1	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1366	783.0	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1367	859.7	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1368	939.8	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1369	881.2	1165.7	939.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1370	913.4	1165.7	998.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1371	945.5	1165.7	929.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1372	1452.7	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1373	1379.5	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1374	1305.8	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1375	1232.4	1165.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1376	1360.8	1165.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1377	1238.5	1165.7	941.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1378	1244.6	1165.7	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1379	1236.4	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1380	1317.9	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1381	1393.1	1165.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1382	1466. 1	1165. 7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1383	1443. 4	1165. 7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1384	1301. 7	1165. 7	930.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1385	1820. 2	1165. 7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1386	1768. 2	1165. 7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1387	1713. 6	1165. 7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1388	1724. 3	1165. 7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1389	1743. 6	1165. 7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1390	1822. 0	1165. 7	865.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1391	1780. 8	1165. 7	875.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1392	1803. 6	1165. 7	970.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1393	1829. 9	1165. 7	936.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1394	2132. 1	1165. 7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1395	2064. 2	1165. 7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1396	2069. 1	1165. 7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1397	2134. 3	1165. 7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1398	2112. 6	1165. 7	1037. 8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1399	2123. 4	1165. 7	1005. 5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1400	2063. 7	1165. 7	989.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1401	2055. 5	1165. 7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1402	2125. 1	1165. 7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1403	2157. 8	1165. 7	1037. 8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1404	2160. 2	1165. 7	1005. 5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1405	2060. 1	1165. 7	1032. 4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1406	2199. 4	877.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1407	2199. 4	877.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1408	2199. 4	877.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1409	2199. 4	1017. 3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1410	2199. 4	1017. 3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1411	2199. 4	1017. 3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1412	2199. 4	831.1	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1413	2199. 4	826.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1414	2199. 4	825.5	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1415	2199. 4	1114. 9	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1416	2199. 4	1063. 7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1417	2199. 4	1066. 8	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1418	2199. 4	1116. 2	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1419	2199.4	1058.4	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1420	2199.4	1110.6	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1421	2199.4	1058.5	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1422	2199.4	384.7	992.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1423	2199.4	382.7	915.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1424	2199.4	380.7	837.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1425	2199.4	378.7	760.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1426	2199.4	189.3	762.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1427	2199.4	190.3	837.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1428	2199.4	191.3	915.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1429	2199.4	192.3	992.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1430	2199.4	95.2	857.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1431	2199.4	64.1	979.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1432	2199.4	128.2	986.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1433	2199.4	473.4	760.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1434	2199.4	476.1	837.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1435	2199.4	478.7	914.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1436	2199.4	481.4	991.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1437	2199.4	578.3	988.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1438	2199.4	675.7	981.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1439	2199.4	567.2	758.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1440	2199.4	571.4	832.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1441	2199.4	576.0	908.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1442	2199.4	673.7	898.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1443	2199.4	646.7	752.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1444	2199.4	669.3	818.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1445	2199.4	720.0	738.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1446	2199.4	284.0	760.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1447	2199.4	285.5	837.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1448	2199.4	287.0	915.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1449	2199.4	288.5	992.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1450	2199.4	94.7	770.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1451	2199.4	120.7	920.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1452	2199.4	61.6	925.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1453	1408.4	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1454	1408.4	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1455	1408.4	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1456	1803.0	773.3	992.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1457	1802.1	773.3	915.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1458	1801.2	773.3	837.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1459	1800.3	773.3	760.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1460	1583.8	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1461	1591.3	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1462	1598.7	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1463	1467.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1464	1528.4	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1465	1471.8	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1466	1535.3	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1467	1516.6	773.3	1037.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1468	1525.9	773.3	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1469	1467.2	773.3	989.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1470	1879.9	773.3	760.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1471	1886.8	773.3	837.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1472	1893.2	773.3	914.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1473	1899.4	773.3	991.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1474	1997.3	773.3	988.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1475	2097.8	773.3	981.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1476	1965.7	773.3	758.0	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1477	1978.8	773.3	832.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1478	1991.5	773.3	908.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1479	2092.6	773.3	898.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1480	2047.4	773.3	752.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1481	2084.1	773.3	817.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1482	2121.2	773.3	738.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1483	1728.9	773.3	766.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1484	1656.6	773.3	773.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1485	1731.3	773.3	850.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1486	1661.4	773.3	863.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1487	1735.5	773.3	928.2	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1488	1673.9	773.3	962.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1489	1747.8	773.3	996.9	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1490	1459.5	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1491	1520.2	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1492	1562.1	773.3	1037.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1493	1562. 3	773.3	1005. 5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1494	1464. 1	773.3	1032. 4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1495	1399. 4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1496	1399. 4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1497	1399. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1498	1639. 4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1499	1639. 4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1500	1639. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1501	1539. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1502	1539. 4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1503	1539. 4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1504	1879. 4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1505	1879. 4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1506	1879. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1507	1779. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1508	1779. 4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1509	1779. 4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1510	2019. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1511	2019. 4	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1512	2019. 4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1513	1347. 7	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1514	1342. 5	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1515	1341. 6	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1516	1608. 3	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1517	1570. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1518	1608. 0	0.0	865.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1519	1579. 0	0.0	875.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1520	1591. 2	0.0	970.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1521	1612. 9	0.0	936.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1522	1848. 3	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1523	1810. 4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1524	1848. 0	0.0	865.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1525	1819. 0	0.0	875.4	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1526	1831. 2	0.0	970.7	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1527	1852. 9	0.0	936.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1528	2137. 5	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1529	2075. 0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1530	2079.4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1531	2139.4	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1532	2094.4	0.0	1021.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1533	2067.4	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1534	2131.3	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1535	2144.4	0.0	1021.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1536	1025.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1537	1025.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1538	1025.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1539	1165.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1540	1165.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1541	1165.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1542	980.0	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1543	975.0	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1544	974.2	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1545	1218.5	0.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1546	1223.3	0.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1547	1224.0	0.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1548	1283.4	618.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1549	1283.4	618.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1550	1283.4	618.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1551	1283.4	717.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1552	1283.4	717.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1553	1283.4	717.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1554	1283.4	271.5	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1555	1283.4	278.2	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1556	1283.4	284.9	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1557	1283.4	71.4	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1558	1283.4	140.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1559	1283.4	209.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1560	1283.4	67.9	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1561	1283.4	135.8	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1562	1283.4	203.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1563	1283.4	78.1	1021.6	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1564	1283.4	531.4	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1565	1283.4	533.1	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1566	1283.4	534.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1567	1283.4	451.5	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00



1568	1283.4	368.2	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1569	1283.4	444.8	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1570	1283.4	448.1	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1571	1283.4	363.2	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1572	1283.4	358.2	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1573	1283.4	76.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1574	1283.4	146.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1575	1283.4	213.5	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1576	1283.4	148.9	1021.1	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1577	1283.4	205.8	1021.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1578	923.0	618.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1579	923.0	618.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1580	923.0	618.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1581	923.0	717.0	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1582	923.0	717.0	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1583	923.0	717.0	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1584	923.0	529.7	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1585	923.0	529.7	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1586	923.0	529.7	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1587	923.0	441.4	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1588	923.0	441.4	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1589	923.0	441.4	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1590	923.0	353.1	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1591	923.0	353.1	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1592	923.0	353.1	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1593	923.0	264.9	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1594	923.0	264.9	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1595	923.0	264.9	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1596	923.0	176.6	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1597	923.0	88.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1598	923.0	176.6	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1599	923.0	176.6	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1600	923.0	88.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1601	923.0	88.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1602	1023.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1603	1023.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1604	1023.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1605	1173.0	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1606	1173.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1607	1173.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1608	973.0	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1609	973.0	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1610	971.3	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1611	973.0	773.3	1005.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1612	1228.2	773.3	779.8	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1613	1228.2	773.3	876.5	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00
1614	1228.2	773.3	973.3	Piano 3	-	np	np	np	np	np	np	0.00	0.00	0.00	0.00

Tabella dei Nodi Master:



Nodo	Tipo Nodo	Coordinate [cm]		
		x	y	z
M1	Impalcato Rigido	1113.68	594.73	683.00
M2	Impalcato Rigido	1112.17	575.22	1070.00

### 3.7.3 Caratteristiche delle aste.

La tabella seguente riporta tutte le caratteristiche relative alle aste della struttura ed in modo particolare la colonna:

Asta : numerazione dell'asta  
 Fili : fili fissi ai quali appartiene l'asta  
 NI : nodo iniziale dell'asta  
 NF : nodo finale dell'asta  
 Tipo : funzione dell'asta  
 Sez : sezione trasversale associata all'asta  
 L : lunghezza teorica (nodo-nodo) dell'asta  
 Imp. : impalcato di appartenenza dell'asta  
 KwN : modulo di Winkler normale;  
 KwT : modulo di Winkler tangenziale;

Asta	Fili	NI	NF	Tipo	Sez	L [cm]	Imp.	Kwn [daN/c m³]	Kwt [daN/c m³]	Vincoli interni											
										Estremo In.						Estremo Fin.					
										SpoX	SpoY	SpoZ	RotX	RotY	RotZ	SpoX	SpoY	SpoZ	RotX	RotY	RotZ
1	2, 1	2	44	Trave Fond.	1	68.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2	2, 1	44	42	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	2, 1	42	274	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
4	2, 1	274	273	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	2, 1	273	272	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	2, 1	272	271	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
7	2, 1	271	270	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
8	2, 1	270	269	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
9	2, 1	269	1	Trave Fond.	1	86.43	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
10	1, 8	1	279	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
11	1, 8	279	46	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
12	1, 8	46	50	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
13	1, 8	50	280	Trave Fond.	1	70.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
14	1, 8	280	49	Trave Fond.	1	70.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
15	1, 8	49	54	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
16	1, 8	54	281	Trave Fond.	1	70.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	1, 8	281	53	Trave Fond.	1	70.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18	1, 8	53	56	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
19	1, 8	56	282	Trave Fond.	1	71.50	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20	1, 8	282	8	Trave Fond.	1	71.50	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
21	3, 2	3	288	Trave Fond.	1	98.10	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
22	3, 2	288	287	Trave Fond.	1	98.10	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
23	3, 2	287	286	Trave Fond.	1	98.10	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
24	3, 2	286	2	Trave Fond.	1	98.10	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
25	2, 9	2	297	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
26	2, 9	297	298	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
27	2, 9	298	299	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
28	2, 9	299	300	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
29	2, 9	300	301	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30	2, 9	301	302	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
31	2, 9	302	303	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
32	2, 9	303	304	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33	2, 9	304	305	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
34	2, 9	305	9	Trave Fond.	1	92.30	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	4, 3	4	331	Trave Fond.	1	73.13	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	4, 3	331	330	Trave Fond.	1	73.13	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
37	4, 3	330	68	Trave Fond.	1	73.13	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
38	4, 3	68	65	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	4, 3	65	329	Trave Fond.	1	78.33	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
40	4, 3	329	328	Trave Fond.	1	78.33	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	4, 3	328	66	Trave Fond.	1	78.33	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
42	4, 3	66	61	Trave Fond.	1	100.00	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
43	4, 3	61	327	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
44	4, 3	327	326	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
45	4, 3	326	325	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	4, 3	325	324	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
47	4, 3	324	323	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
48	4, 3	323	322	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
49	4, 3	322	321	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
50	4, 3	321	320	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
51	4, 3	320	319	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
52	4, 3	319	318	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
53	4, 3	318	317	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
54	4, 3	317	316	Trave Fond.	1	95.38	Fondazione	5.00	2.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00







7	Piano 1	2-3	1	30.0	939.5	332.40	200.00	60.00	90.00
8	Piano 1	2-9	1	491.5	773.3	863.00	200.00	50.00	0.00
9	Piano 1	3-4	1	132.5	1135.7	145.00	200.00	60.00	0.00
10	Piano 1	3-4	2	925.0	1135.7	1240.00	200.00	60.00	0.00
11	Piano 1	3-4	3	1762.5	1135.7	235.00	200.00	60.00	0.00
12	Piano 1	3-4	4	2059.7	1135.7	159.40	200.00	60.00	0.00
13	Piano 1	5-4	1	2169.4	833.3	120.00	200.00	60.00	90.00
14	Piano 1	5-4	2	2169.4	1049.5	112.40	200.00	60.00	90.00
15	Piano 1	6-5	1	2169.4	416.6	713.30	200.00	60.00	90.00
16	Piano 1	10-5	1	1711.4	773.3	856.00	200.00	50.00	0.00
17	Piano 1	7-6	1	1348.4	30.0	130.00	200.00	60.00	0.00
18	Piano 1	7-6	2	1583.4	30.0	140.00	200.00	60.00	0.00
19	Piano 1	7-6	3	1823.4	30.0	140.00	200.00	60.00	0.00
20	Piano 1	7-6	4	2066.4	30.0	146.00	200.00	60.00	0.00
21	Piano 1	8-7	1	966.5	30.0	87.00	200.00	60.00	0.00
22	Piano 1	8-7	2	1236.7	30.0	93.40	200.00	60.00	0.00
23	Piano 1	7-10	1	1283.4	404.1	688.30	200.00	50.00	90.00
24	Piano 1	8-9	1	923.0	404.1	688.30	200.00	50.00	90.00
25	Piano 1	9-10	1	1103.2	773.3	360.40	200.00	50.00	0.00
1	Piano 2	1-2	1	27.5	75.0	40.00	483.00	55.00	90.00
2	Piano 2	1-2	2	27.5	387.5	355.00	483.00	55.00	90.00
3	Piano 2	1-2	3	27.5	756.6	33.30	483.00	55.00	90.00
4	Piano 2	1-8	1	105.0	27.5	100.00	483.00	55.00	0.00
5	Piano 2	1-8	2	362.5	27.5	65.00	483.00	55.00	0.00
6	Piano 2	1-8	3	602.5	27.5	65.00	483.00	55.00	0.00
7	Piano 2	1-8	4	866.5	27.5	113.00	483.00	55.00	0.00
8	Piano 2	2-3	1	27.5	816.3	86.00	483.00	55.00	90.00
9	Piano 2	2-3	2	27.5	1080.0	61.40	483.00	55.00	90.00
10	Piano 2	2-9	1	118.0	773.3	126.00	483.00	50.00	0.00
11	Piano 2	2-9	2	476.5	773.3	311.00	483.00	50.00	0.00
12	Piano 2	2-9	3	847.5	773.3	151.00	483.00	50.00	0.00
13	Piano 2	3-4	1	110.0	1138.2	110.00	483.00	55.00	0.00
14	Piano 2	3-4	2	420.5	1138.2	161.00	483.00	55.00	0.00
15	Piano 2	3-4	3	763.0	1138.2	174.00	483.00	55.00	0.00
16	Piano 2	3-4	4	996.0	1138.2	92.00	483.00	55.00	0.00
17	Piano 2	3-4	5	1186.5	1138.2	89.00	483.00	55.00	0.00
18	Piano 2	3-4	6	1418.5	1138.2	175.00	483.00	55.00	0.00
19	Piano 2	3-4	7	1762.0	1138.2	162.00	483.00	55.00	0.00
20	Piano 2	3-4	8	2081.2	1138.2	126.40	483.00	55.00	0.00
21	Piano 2	5-4	1	2171.9	816.8	87.00	483.00	55.00	90.00
22	Piano 2	5-4	2	2171.9	1073.0	75.40	483.00	55.00	90.00
23	Piano 2	6-5	1	2171.9	310.0	510.00	483.00	55.00	90.00
24	Piano 2	6-5	2	2171.9	756.6	33.30	483.00	55.00	90.00
25	Piano 2	10-5	1	1359.9	773.3	153.00	483.00	50.00	0.00
26	Piano 2	10-5	2	1652.9	773.3	153.00	483.00	50.00	0.00
27	Piano 2	10-5	3	2006.9	773.3	275.00	483.00	50.00	0.00
28	Piano 2	7-6	1	1331.4	27.5	96.00	483.00	55.00	0.00
29	Piano 2	7-6	2	1586.9	27.5	65.00	483.00	55.00	0.00
30	Piano 2	7-6	3	1826.9	27.5	65.00	483.00	55.00	0.00
31	Piano 2	7-6	4	2089.4	27.5	110.00	483.00	55.00	0.00
32	Piano 2	8-7	1	966.5	27.5	87.00	483.00	55.00	0.00
33	Piano 2	8-7	2	1236.7	27.5	93.40	483.00	55.00	0.00
34	Piano 2	7-10	1	1283.4	75.0	40.00	483.00	50.00	90.00
35	Piano 2	7-10	2	1283.4	479.1	538.30	483.00	50.00	90.00
36	Piano 2	8-9	1	923.0	401.6	693.30	483.00	50.00	90.00
37	Piano 2	9-10	1	943.0	773.3	40.00	483.00	50.00	0.00
38	Piano 2	9-10	2	1193.2	773.3	180.40	483.00	50.00	0.00
1	Piano 3	1-2	1	22.5	313.5	537.00	387.00	45.00	90.00
2	Piano 3	1-2	2	22.5	747.6	51.30	387.00	45.00	90.00
3	Piano 3	1-8	1	110.5	22.5	131.00	387.00	45.00	0.00
4	Piano 3	1-8	2	366.0	22.5	100.00	387.00	45.00	0.00
5	Piano 3	1-8	3	607.5	22.5	103.00	387.00	45.00	0.00
6	Piano 3	1-8	4	861.0	22.5	124.00	387.00	45.00	0.00
7	Piano 3	2-3	1	22.5	828.3	110.00	387.00	45.00	90.00
8	Piano 3	2-3	2	22.5	1072.0	97.40	387.00	45.00	90.00
9	Piano 3	2-9	1	267.5	773.3	445.00	387.00	40.00	0.00
10	Piano 3	2-9	2	764.0	773.3	318.00	387.00	40.00	0.00
11	Piano 3	3-4	1	109.0	1143.2	128.00	387.00	45.00	0.00
12	Piano 3	3-4	2	412.0	1143.2	198.00	387.00	45.00	0.00
13	Piano 3	3-4	3	832.5	1143.2	363.00	387.00	45.00	0.00
14	Piano 3	3-4	4	1342.5	1143.2	367.00	387.00	45.00	0.00
15	Piano 3	3-4	5	1765.0	1143.2	198.00	387.00	45.00	0.00



16	Piano 3	3-4	6	2079.2	1143.2	150.40	387.00	45.00	0.00
17	Piano 3	5-4	1	2176.9	825.3	104.00	387.00	45.00	90.00
18	Piano 3	5-4	2	2176.9	1069.0	103.40	387.00	45.00	90.00
19	Piano 3	6-5	1	2176.9	409.1	728.30	387.00	45.00	90.00
20	Piano 3	10-5	1	1781.4	773.3	746.00	387.00	40.00	0.00
21	Piano 3	7-6	1	1341.4	22.5	116.00	387.00	45.00	0.00
22	Piano 3	7-6	2	1589.4	22.5	100.00	387.00	45.00	0.00
23	Piano 3	7-6	3	1829.4	22.5	100.00	387.00	45.00	0.00
24	Piano 3	7-6	4	2086.9	22.5	135.00	387.00	45.00	0.00
25	Piano 3	8-7	1	974.0	22.5	102.00	387.00	45.00	0.00
26	Piano 3	8-7	2	1224.2	22.5	118.40	387.00	45.00	0.00
27	Piano 3	7-10	1	1283.4	331.5	573.00	387.00	40.00	90.00
28	Piano 3	7-10	2	1283.4	735.1	36.30	387.00	40.00	90.00
29	Piano 3	8-9	1	923.0	331.5	573.00	387.00	40.00	90.00
30	Piano 3	8-9	2	923.0	735.1	36.30	387.00	40.00	90.00
31	Piano 3	9-10	1	973.0	773.3	100.00	387.00	40.00	0.00
32	Piano 3	9-10	2	1228.2	773.3	110.40	387.00	40.00	0.00

### 3.7.5 Carichi distribuiti sugli elementi.

#### Carichi Globali Aste

Asta : numero dell'asta come da paragrafo "Caratteristiche delle aste";  
 Imp. : impalcato al quale appartiene l'asta;  
 Fili : fili fissi ai quali appartiene l'asta;  
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";  
 DGlob : direzione dei carichi secondo il sistema di riferimento globale dell'asta;  
 in : valore del carico distribuito relativo al nodo iniziale come da paragrafo "Caratteristiche delle aste";  
 fin : valore del carico distribuito relativo al nodo finale come da paragrafo "Caratteristiche delle aste".

Asta	Imp.	Fili	C.C.	DGlob X [daN/m]		DGlob Y [daN/m]		DGlob Z [daN/m]	
				in.	fin.	in.	fin.	in.	fin.
1	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
2	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
3	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
4	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
5	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
6	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
7	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
8	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
9	Fondazione	2, 1	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
10	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
11	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
12	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
13	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
14	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
15	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
16	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
17	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
18	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
19	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
20	Fondazione	1, 8	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
21	Fondazione	3, 2	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
22	Fondazione	3, 2	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
23	Fondazione	3, 2	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
24	Fondazione	3, 2	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
25	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
26	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
27	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
28	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
29	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
30	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
31	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
32	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
33	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
34	Fondazione	2, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
35	Fondazione	4, 3	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
36	Fondazione	4, 3	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
37	Fondazione	4, 3	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00



[illegible]



110	Fondazione	8, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
111	Fondazione	8, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
112	Fondazione	8, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
113	Fondazione	8, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
114	Fondazione	8, 9	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
115	Fondazione	9, 10	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
116	Fondazione	9, 10	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
117	Fondazione	9, 10	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00
118	Fondazione	9, 10	Car. Perm. G1	0.00	0.00	0.00	0.00	-800.00	-800.00

### Carichi Locali lineari in testa alle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";  
 Imp. : impalcato al quale appartiene la parete;  
 Fili : fili fissi ai quali appartiene la parete;  
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";  
 DLoc : direzione dei carichi secondo il sistema di riferimento locale della parete;

Parete	Imp.	Fili	C.C.	DLoc X [daN/m]		DLoc Y [daN/m]		DLoc Z [daN/m]	
				in.	fin.	in.	fin.	in.	fin.
1	Piano 1	1-2	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
2	Piano 1	1-2	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
3	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
4	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
5	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
6	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
7	Piano 1	2-3	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
8	Piano 1	2-9	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
9	Piano 1	3-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
10	Piano 1	3-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
11	Piano 1	3-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
12	Piano 1	3-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
13	Piano 1	5-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
14	Piano 1	5-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
15	Piano 1	6-5	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
16	Piano 1	10-5	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00















			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>89</b>	Piano 3	8-7	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>90</b>	Piano 3	7-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>91</b>	Piano 3	7-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>92</b>	Piano 3	8-9	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>93</b>	Piano 3	8-9	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>94</b>	Piano 3	9-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
<b>95</b>	Piano 3	9-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00

### Carichi Locali distribuiti sulle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";  
 Imp. : impalcato al quale appartiene la parete;  
 Fili : fili fissi ai quali appartiene la parete;  
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";  
 DLoc : direzione dei carichi secondo il sistema di riferimento locale della parete;

Parete	Imp.	Fili	C.C.	DLoc X [daN/m²]	DLoc Y [daN/m²]	DLoc Z [daN/m²]
<b>1</b>	<b>Piano 1</b>	<b>1-2</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>2</b>	<b>Piano 1</b>	<b>1-2</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>3</b>	<b>Piano 1</b>	<b>1-8</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>4</b>	<b>Piano 1</b>	<b>1-8</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>5</b>	<b>Piano 1</b>	<b>1-8</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>6</b>	<b>Piano 1</b>	<b>1-8</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>7</b>	<b>Piano 1</b>	<b>2-3</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>8</b>	<b>Piano 1</b>	<b>2-9</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>9</b>	<b>Piano 1</b>	<b>3-4</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>10</b>	<b>Piano 1</b>	<b>3-4</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>11</b>	<b>Piano 1</b>	<b>3-4</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>12</b>	<b>Piano 1</b>	<b>3-4</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
<b>13</b>	<b>Piano 1</b>	<b>5-4</b>	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00



14	Piano 1	5-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
15	Piano 1	6-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
16	Piano 1	10-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
17	Piano 1	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
18	Piano 1	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
19	Piano 1	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
20	Piano 1	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
21	Piano 1	8-7	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
22	Piano 1	8-7	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
23	Piano 1	7-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
24	Piano 1	8-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
25	Piano 1	9-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
26	Piano 2	1-2	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
27	Piano 2	1-2	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
28	Piano 2	1-2	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
29	Piano 2	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
30	Piano 2	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
31	Piano 2	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
32	Piano 2	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
33	Piano 2	2-3	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
34	Piano 2	2-3	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
35	Piano 2	2-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
36	Piano 2	2-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
37	Piano 2	2-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00



38	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
39	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
40	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
41	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
42	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
43	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
44	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
45	Piano 2	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
46	Piano 2	5-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
47	Piano 2	5-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
48	Piano 2	6-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
49	Piano 2	6-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
50	Piano 2	10-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
51	Piano 2	10-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
52	Piano 2	10-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
53	Piano 2	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
54	Piano 2	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
55	Piano 2	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
56	Piano 2	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
57	Piano 2	8-7	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
58	Piano 2	8-7	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
59	Piano 2	7-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
60	Piano 2	7-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
61	Piano 2	8-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00



62	Piano 2	9-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
63	Piano 2	9-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
64	Piano 3	1-2	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
65	Piano 3	1-2	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
66	Piano 3	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
67	Piano 3	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
68	Piano 3	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
69	Piano 3	1-8	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
70	Piano 3	2-3	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
71	Piano 3	2-3	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
72	Piano 3	2-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
73	Piano 3	2-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
74	Piano 3	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
75	Piano 3	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
76	Piano 3	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
77	Piano 3	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
78	Piano 3	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
79	Piano 3	3-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
80	Piano 3	5-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
81	Piano 3	5-4	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
82	Piano 3	6-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
83	Piano 3	10-5	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
84	Piano 3	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
85	Piano 3	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00



86	Piano 3	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
87	Piano 3	7-6	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
88	Piano 3	8-7	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
89	Piano 3	8-7	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
90	Piano 3	7-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
91	Piano 3	7-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
92	Piano 3	8-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
93	Piano 3	8-9	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
94	Piano 3	9-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
95	Piano 3	9-10	Car. Perm. G1	0.00	0.00	0.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

#### Carichi Globali lineari in testa alle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";  
 Imp. : impalcato al quale appartiene la parete;  
 Fili : fili fissi ai quali appartiene la parete;  
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";  
 DGlob : direzione dei carichi secondo il sistema di riferimento globali della parete;

Parete	Imp.	Fili	C.C.	DGlob X [daN/m]		DGlob Y [daN/m]		DGlob Z [daN/m]	
				in.	fin.	in.	fin.	in.	fin.
1	Piano 1	1-2	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-14.36	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-11.49	0.00
2	Piano 1	1-2	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-14.36	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-11.49	0.00
3	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-18.52	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-14.82	0.00
4	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-18.52	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-14.82	0.00
5	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-18.52	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-14.82	0.00
6	Piano 1	1-8	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-18.52	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-14.82	0.00
7	Piano 1	2-3	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-12.50	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-10.00	0.00
8	Piano 1	2-9	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	0.00	0.00
9	Piano 1	3-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-14.47	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-11.58	0.00
10	Piano 1	3-4	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-14.47	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-11.58	0.00















83	Piano 3	10-5	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1679.60	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3489.37	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-229.64	0.00
84	Piano 3	7-6	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1830.52	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3979.06	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-297.84	0.00
85	Piano 3	7-6	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1830.52	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3979.06	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-297.84	0.00
86	Piano 3	7-6	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1830.52	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3979.06	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-297.84	0.00
87	Piano 3	7-6	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1830.52	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3979.06	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-297.84	0.00
88	Piano 3	8-7	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1620.82	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3523.22	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-326.22	0.00
89	Piano 3	8-7	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-1620.82	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-3523.22	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-326.22	0.00
90	Piano 3	7-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-68.81	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-91.75	0.00
91	Piano 3	7-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-68.81	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-91.75	0.00
92	Piano 3	8-9	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-68.81	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-91.75	0.00
93	Piano 3	8-9	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	0.00	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-68.81	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-91.75	0.00
94	Piano 3	9-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-2484.43	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-5161.39	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-477.91	0.00
95	Piano 3	9-10	Car. perm. G1 in Testa	0.00	0.00	0.00	0.00	-2484.43	0.00
			Car. perm. G2 in Testa	0.00	0.00	0.00	0.00	-5161.39	0.00
			Car. eserc. in Testa	0.00	0.00	0.00	0.00	-477.91	0.00

### Carichi Globali distribuiti sulle Pareti

Parete : numero della piastra come da paragrafo "Caratteristiche delle pareti";  
 Imp. : impalcato al quale appartiene la parete;  
 Fili : fili fissi ai quali appartiene la parete;  
 C.C. : condizione di carico come da paragrafo "Condizioni di carico valutate";  
 DGlob : direzione dei carichi secondo il sistema di riferimento globale della parete;

Parete	Imp.	Fili	C.C.	DGlob X [daN/m²]	DGlob Y [daN/m²]	DGlob Z [daN/m²]
1	Piano 1	1-2	Car. Perm. G1	0.00	0.00	-1200.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
2	Piano 1	1-2	Car. Perm. G1	0.00	0.00	-1200.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
3	Piano 1	1-8	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
4	Piano 1	1-8	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
5	Piano 1	1-8	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
6	Piano 1	1-8	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
7	Piano 1	2-3	Car. Perm. G1	0.00	0.00	-1200.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
8	Piano 1	2-9	Car. Perm. G1	0.00	0.00	-1000.00



			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
9	Piano 1	3-4	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
10	Piano 1	3-4	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
11	Piano 1	3-4	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
12	Piano 1	3-4	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
13	Piano 1	5-4	Car. Perm. G1	0.00	0.00	-1200.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
14	Piano 1	5-4	Car. Perm. G1	0.00	0.00	-1200.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
15	Piano 1	6-5	Car. Perm. G1	0.00	0.00	-1200.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
16	Piano 1	10-5	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
17	Piano 1	7-6	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
18	Piano 1	7-6	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
19	Piano 1	7-6	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
20	Piano 1	7-6	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
21	Piano 1	8-7	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
22	Piano 1	8-7	Car. Perm. G1	0.00	0.00	-1080.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
23	Piano 1	7-10	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
24	Piano 1	8-9	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
25	Piano 1	9-10	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
26	Piano 2	1-2	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
27	Piano 2	1-2	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
28	Piano 2	1-2	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
29	Piano 2	1-8	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
30	Piano 2	1-8	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
31	Piano 2	1-8	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
32	Piano 2	1-8	Car. Perm. G1	0.00	0.00	-990.00



			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
33	Piano 2	2-3	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
34	Piano 2	2-3	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
35	Piano 2	2-9	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
36	Piano 2	2-9	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
37	Piano 2	2-9	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
38	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
39	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
40	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
41	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
42	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
43	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
44	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
45	Piano 2	3-4	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
46	Piano 2	5-4	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
47	Piano 2	5-4	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
48	Piano 2	6-5	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
49	Piano 2	6-5	Car. Perm. G1	0.00	0.00	-1100.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
50	Piano 2	10-5	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
51	Piano 2	10-5	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
52	Piano 2	10-5	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
53	Piano 2	7-6	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
54	Piano 2	7-6	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
55	Piano 2	7-6	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
56	Piano 2	7-6	Car. Perm. G1	0.00	0.00	-990.00



			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
57	Piano 2	8-7	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
58	Piano 2	8-7	Car. Perm. G1	0.00	0.00	-990.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
59	Piano 2	7-10	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
60	Piano 2	7-10	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
61	Piano 2	8-9	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
62	Piano 2	9-10	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
63	Piano 2	9-10	Car. Perm. G1	0.00	0.00	-1000.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
64	Piano 3	1-2	Car. Perm. G1	0.00	0.00	-900.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
65	Piano 3	1-2	Car. Perm. G1	0.00	0.00	-900.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
66	Piano 3	1-8	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
67	Piano 3	1-8	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
68	Piano 3	1-8	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
69	Piano 3	1-8	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
70	Piano 3	2-3	Car. Perm. G1	0.00	0.00	-900.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
71	Piano 3	2-3	Car. Perm. G1	0.00	0.00	-900.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
72	Piano 3	2-9	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
73	Piano 3	2-9	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
74	Piano 3	3-4	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
75	Piano 3	3-4	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
76	Piano 3	3-4	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
77	Piano 3	3-4	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
78	Piano 3	3-4	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
79	Piano 3	3-4	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
80	Piano 3	5-4	Car. Perm. G1	0.00	0.00	-900.00



			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
81	Piano 3	5-4	Car. Perm. G1	0.00	0.00	-900.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
82	Piano 3	6-5	Car. Perm. G1	0.00	0.00	-900.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
83	Piano 3	10-5	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
84	Piano 3	7-6	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
85	Piano 3	7-6	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
86	Piano 3	7-6	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
87	Piano 3	7-6	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
88	Piano 3	8-7	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
89	Piano 3	8-7	Car. Perm. G1	0.00	0.00	-810.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
90	Piano 3	7-10	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
91	Piano 3	7-10	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
92	Piano 3	8-9	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
93	Piano 3	8-9	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
94	Piano 3	9-10	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00
95	Piano 3	9-10	Car. Perm. G1	0.00	0.00	-800.00
			Car. Perm. G2	0.00	0.00	0.00
			Car. Eserc.	0.00	0.00	0.00

### 3.8 Caratteristiche meccaniche della muratura.

Parete	: numero della parete;
Imp.	: numero dell'impalcato;
Fili	: numero dei fili fissi iniziale e finale;
$f_c$	: fattore di confidenza;
Coeff. Corr.	: coefficiente correttivo;
Coeff. Sic.	: Coefficiente di sicurezza;
E	: Modulo elastico normale
G	: Modulo elastico tangenziale
$f_k - f_m$	: Resistenza caratteristica a compressione o resistenza media a compressione
$f_{vk0}$	: Resistenza caratteristica a taglio in assenza di carichi verticali
$\tau_0$	: Resistenza media a taglio di riferimento
$\gamma$	: Peso specifico

Parete	Imp.	Fili	$f_c$	Coeff. Corr.	Coeff. Sic.	E [daN/cm <sup>2</sup> ]	G [daN/cm <sup>2</sup> ]	$f_k - f_m$ [daN/cm <sup>2</sup> ]	$f_{vk0}$ [daN/cm <sup>2</sup> ]	$\tau_0$ [daN/cm <sup>2</sup> ]	$\gamma$ [daN/cm <sup>3</sup> ]
1	Piano 1	1 - 2	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
2	Piano 1	1 - 8	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
3	Piano 1	2 - 3	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00



4	Piano 1	2 - 9	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
5	Piano 1	3 - 4	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
6	Piano 1	5 - 4	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
7	Piano 1	6 - 5	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
8	Piano 1	10 - 5	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
9	Piano 1	7 - 6	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
10	Piano 1	8 - 7	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
11	Piano 1	7 - 10	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
12	Piano 1	8 - 9	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
13	Piano 1	9 - 10	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
14	Piano 2	1 - 2	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
15	Piano 2	1 - 8	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
16	Piano 2	2 - 3	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
17	Piano 2	2 - 9	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
18	Piano 2	3 - 4	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
19	Piano 2	5 - 4	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
20	Piano 2	6 - 5	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
21	Piano 2	10 - 5	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
22	Piano 2	7 - 6	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
23	Piano 2	8 - 7	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
24	Piano 2	7 - 10	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
25	Piano 2	8 - 9	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
26	Piano 2	9 - 10	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
27	Piano 3	1 - 2	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
28	Piano 3	1 - 8	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
29	Piano 3	2 - 3	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
30	Piano 3	2 - 9	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
31	Piano 3	3 - 4	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
32	Piano 3	5 - 4	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
33	Piano 3	6 - 5	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
34	Piano 3	10 - 5	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
35	Piano 3	7 - 6	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
36	Piano 3	8 - 7	1.20	1.00	3.00	15000.00	5000.00	28.75	6.00	0.75	1800.00
37	Piano 3	7 - 10	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
38	Piano 3	8 - 9	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00
39	Piano 3	9 - 10	1.20	1.00	3.00	12300.00	4100.00	16.67	1.29	0.36	2000.00

## 4 Risultati di Calcolo.

### 4.1 Percentuale di forza sismica assorbita dagli elementi in muratura.

Tabella 1.I

Impalcato	Direzione	
	X [%]	Y [%]
Piano 1	100.0	100.0
Piano 2	100.0	100.0
Piano 3	100.0	100.0

### 4.2 Risultati del calcolo non lineare.

#### 4.2.1 Stato degli elementi maschio al collasso della struttura.

Tabella 2.I

Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 Stato : stato al quale si trova l'elemento al collasso della struttura (E = elastico; P = plastico; C = collassato)  
 N : sforzo normale raggiunto dalla parete al collasso della struttura  
 $k_L$  : rigidezza nel piano dell'elemento  
 $\delta_L$  : spostamento nel piano dell'elemento al collasso della struttura  
 $\delta_{L,0}$  : spostamento elastico nel piano dell'elemento al collasso della struttura  
 $\delta_{L,u}$  : spostamento ultimo nel piano dell'elemento al collasso della struttura  
 $V_L$  : taglio nel piano raggiunto dalla parete al collasso della struttura  
 $V_{L,e}$  : taglio massimo nel piano raggiunto dalla parete in fase elastica  
 $V_{L,u}$  : taglio ultimo nel piano dell'elemento al collasso della struttura  
 $\%_{\delta_{L,0}}$  : percentuale dello spostamento elastico nel piano dell'elemento al collasso della struttura



$\%_{\delta_{L,u}}$  : percentuale dello spostamento plastico nel piano dell'elemento al collasso della struttura  
 $k_t$  : rigidezza fuori piano dell'elemento  
 $\delta_t$  : spostamento fuori piano dell'elemento al collasso della struttura  
 $\delta_{t,0}$  : spostamento elastico fuori piano dell'elemento al collasso della struttura  
 $\delta_{t,u}$  : spostamento ultimo fuori piano dell'elemento al collasso della struttura  
 $V_t$  : taglio fuori piano raggiunto dalla parete al collasso della struttura  
 $V_{t,e}$  : taglio massimo fuori piano raggiunto dalla parete in fase elastica  
 $V_{t,u}$  : taglio ultimo fuori piano dell'elemento al collasso della struttura  
 $\%_{\delta_{t,0}}$  : percentuale dello spostamento elastico fuori piano dell'elemento al collasso della struttura  
 $\%_{\delta_{t,u}}$  : percentuale dello spostamento plastico fuori piano dell'elemento al collasso della struttura

**Cond\_X 1(+); E(+); S2(+)** : 1 - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
**Eccentricità accidentale (+ 0.05\*L<sub>y</sub>)**

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 46621	53848 1	0.01	0.06	1.00	4446	4506	33591	13.2	0.0	13670 3	0.04	0.09	2.00	5305	5305	12579	42.2	0.0
Piano 1	1 - 3	E	- 34025	38413 5	0.01	0.06	1.00	3172	3214	24631	12.9	0.0	10050 8	0.04	0.09	2.00	3616	3616	9188	39.4	0.0
Piano 1	1 - 8	E	- 15341	11168 6	0.04	0.09	2.00	4501	4501	9936	45.3	0.0	42825	0.01	0.10	2.00	375	375	4258	8.8	0.0
Piano 1	1 - 8	E	- 16971	11168 6	0.04	0.10	2.00	4501	4501	10897	41.3	0.0	42825	0.01	0.11	2.00	425	425	4670	9.1	0.0
Piano 1	1 - 8	E	- 18601	11168 6	0.04	0.10	1.00	4501	4501	11397	39.5	0.0	42825	0.01	0.12	2.00	476	476	5075	9.4	0.0
Piano 1	1 - 7	E	- 33739	23759 5	0.04	0.12	1.00	9575	9575	27655	34.6	0.0	70355	0.01	0.13	2.00	881	881	9109	9.7	0.0
Piano 1	2 - 5	E	- 22113 1	17716 02	0.04	0.07	1.00	64896	64896	12442 1	52.2	0.0	32623 2	0.01	0.14	2.00	4415	4415	46983	9.4	0.0
Piano 1	3 - 4	E	- 15692	11858 3	0.03	0.09	2.00	4132	4132	10537	39.2	0.0	44354	0.01	0.10	2.00	389	389	4360	8.9	0.0
Piano 1	3 - 4	E	- 18186 4	15388 80	0.03	0.10	1.00	53621	53621	14908 9	36.0	0.0	37930 5	0.01	0.13	2.00	4807	4807	49102	9.8	0.0
Piano 1	3 - 4	E	- 44014	24454 8	0.03	0.13	1.00	8521	8521	30819	27.6	0.0	71884	0.02	0.16	2.00	1208	1208	11518	10.5	0.0
Piano 1	3 - 4	E	- 32153	13862 8	0.03	0.12	1.00	4830	4830	17126	28.2	0.0	48759	0.02	0.17	2.00	891	891	8319	10.7	0.0
Piano 1	6 - 4	E	- 14207 0	84068 1	0.02	0.08	1.00	15813	15814	67381	23.5	0.0	20901 7	0.04	0.16	2.00	7962	7962	34072	23.4	0.0
Piano 1	5 - 4	E	- 19092	61299	0.02	0.10	1.00	1153	1153	6050	19.1	0.0	28193	0.04	0.16	2.00	994	994	4583	21.7	0.0
Piano 1	8 - 6	E	- 37178	22840 1	0.04	0.12	1.00	9204	9204	28072	32.8	0.0	68336	0.01	0.14	2.00	993	993	9888	10.0	0.0
Piano 1	7 - 6	E	- 25212	11168 6	0.04	0.11	1.00	4501	4501	12669	35.5	0.0	42825	0.02	0.15	2.00	682	682	6635	10.3	0.0
Piano 1	7 - 6	E	- 26842	11168 6	0.04	0.12	1.00	4501	4501	12963	34.7	0.0	42825	0.02	0.16	2.00	732	732	7000	10.5	0.0
Piano 1	7 - 6	E	- 29714	11996 7	0.04	0.12	1.00	4834	4834	14415	33.5	0.0	44660	0.02	0.17	2.00	817	817	7677	10.6	0.0
Piano 1	7 - 10	E	- 77621	57445 0	0.01	0.07	1.00	8295	8295	42166	19.7	0.0	10798 6	0.04	0.15	2.00	4152	4152	16316	25.5	0.0
Piano 1	8 - 9	E	- 69397	57445 0	0.01	0.07	1.00	7274	7274	40322	18.0	0.0	10798 6	0.04	0.14	2.00	4152	4152	14880	27.9	0.0
Piano 2	1 - 2	P	-4857	375	0.09	0.92	4.83	33	33	344	9.5	0.0	694	1.49	0.68	4.83	474	474	474	100.0	19.4
Piano 2	1 - 2	P	- 44714	91214	0.09	0.19	4.83	7920	7920	17774	44.6	0.0	6160	1.50	0.70	4.83	4308	4308	4308	100.0	19.3
Piano 2	1 - 3	P	- 15740	8358	0.09	0.39	4.83	726	726	3249	22.3	0.0	2070	1.50	0.72	4.83	1498	1498	1498	100.0	19.0
Piano 2	1 - 8	P	- 14879	6343	1.49	0.66	4.83	2096	2108	2096	100.0	19.9	2116	0.09	0.90	4.83	141	141	1478	9.5	0.0
Piano 2	1 - 8	P	- 10008	1888	1.49	0.94	4.83	925	942	925	100.0	14.2	1375	0.08	0.89	4.83	88	88	978	9.0	0.0
Piano 2	1 - 8	P	- 10321	1888	1.49	0.96	4.83	947	1470	947	100.0	13.7	1375	0.07	0.91	4.83	82	82	1002	8.2	0.0
Piano 2	1 - 7	P	- 32994	36218	1.49	0.48	4.83	8717	8886	8717	100.0	23.3	4232	0.07	1.01	4.83	217	217	3196	6.8	0.0
Piano 2	2 - 3	P	-8351	1313	0.09	0.67	4.83	114	114	879	13.0	0.0	1065	1.51	0.74	4.83	788	788	788	100.0	18.8
Piano 2	2 - 9	P	- 15240	8770	1.50	0.55	4.83	2442	2507	2442	100.0	22.3	1655	0.08	0.97	4.83	109	109	1246	8.8	0.0
Piano 2	2 - 9	C	- 39286	65867	1.93	0.33	2.41	10998	11728	10998	100.0	100.0	4086	0.08	1.07	2.41	223	223	3091	7.2	0.0
Piano 2	2 - 10	P	- 25246	24333	1.50	0.46	4.83	5675	5735	5675	100.0	23.9	2509	0.07	1.04	4.83	131	131	1970	6.7	0.0
Piano 2	3 - 4	P	- 18540	8212	1.51	0.67	4.83	2784	2847	2784	100.0	20.3	2328	0.09	0.98	4.83	155	155	1781	8.7	0.0
Piano 2	3 - 4	P	- 28141	21825	1.51	0.54	4.83	5965	6059	5965	100.0	22.6	3407	0.08	1.02	4.83	205	205	2667	7.7	0.0
Piano 2	3 - 4	P	- 31611	26289	1.51	0.53	4.83	7082	7093	7082	100.0	22.7	3682	0.07	1.06	4.83	200	200	2951	6.8	0.0
Piano 2	3 - 4	P	- 17145	5043	1.51	0.83	4.83	2101	2183	2101	100.0	17.0	1947	0.07	1.05	4.83	102	102	1605	6.3	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	3 - 4	P	- 16926	4599	1.51	0.86	4.83	2009	2014	2009	100.0	16.4	1883	0.06	1.07	4.83	93	93	1579	5.9	0.0
Piano 2	3 - 4	P	- 34098	26647	1.51	0.56	4.83	7520	7652	7520	100.0	22.3	3703	0.06	1.10	4.83	163	163	3110	5.2	0.0
Piano 2	3 - 4	P	- 32684	22156	1.51	0.59	4.83	6666	6852	6666	100.0	21.7	3428	0.05	1.13	4.83	133	133	2957	4.5	0.0
Piano 2	3 - 4	P	- 26312	11862	1.51	0.71	4.83	4235	4255	4235	100.0	19.5	2675	0.04	1.15	4.83	91	91	2377	3.8	0.0
Piano 2	6 - 4	P	- 20124	8544	0.04	0.46	4.83	361	367	3931	9.2	0.0	2087	1.50	0.86	4.83	1797	1797	1797	100.0	16.2
Piano 2	5 - 4	P	- 12912	2366	0.04	0.66	4.83	100	102	1570	6.4	0.0	1308	1.51	0.88	4.83	1146	1146	1146	100.0	16.0
Piano 2	6 - 5	P	- 81688	15884	0.04	0.24	4.83	6704	6819	38161	17.6	0.0	8849	1.49	0.83	4.83	7378	7378	7378	100.0	16.5
Piano 2	9 - 5	C	- 46078	74493	1.93	0.32	2.41	11980	13373	11980	100.0	100.0	4380	0.06	1.11	2.41	187	187	3403	5.5	0.0
Piano 2	10 - 5	P	- 22024	14361	1.50	0.54	4.83	3885	3923	3885	100.0	22.5	2010	0.05	1.08	4.83	81	81	1660	4.9	0.0
Piano 2	10 - 5	C	- 41044	52381	1.93	0.39	2.41	10286	10306	10286	100.0	100.0	3613	0.05	1.13	2.41	119	119	2933	4.0	0.0
Piano 2	8 - 6	P	- 32672	32020	1.49	0.50	4.83	8088	8246	8088	100.0	22.9	4008	0.06	1.03	4.83	184	184	3111	5.9	0.0
Piano 2	7 - 6	P	- 11607	1888	1.49	1.05	4.83	1042	1470	1042	100.0	11.5	1375	0.05	1.00	4.83	60	60	1102	5.4	0.0
Piano 2	7 - 6	P	- 11921	1888	1.49	1.08	4.83	1065	1470	1065	100.0	10.9	1375	0.05	1.02	4.83	54	54	1126	4.8	0.0
Piano 2	7 - 6	P	- 20754	8212	1.49	0.72	4.83	3026	3170	3026	100.0	18.6	2328	0.04	1.06	4.83	80	80	1935	4.1	0.0
Piano 2	7 - 10	P	- 5168	341	0.06	1.03	4.83	21	21	350	5.9	0.0	526	1.49	0.83	4.83	438	438	438	100.0	16.4
Piano 2	7 - 10	P	- 72418	15559	0.06	0.23	4.83	9444	9444	35452	26.6	0.0	7072	1.50	0.86	4.83	6073	6073	6073	100.0	16.1
Piano 2	8 - 9	P	- 88817	21608	0.07	0.21	4.83	14736	14736	44767	32.9	0.0	9109	1.50	0.83	4.83	7539	7539	7539	100.0	16.7
Piano 3	1 - 2	E	- 29489	18644	0.02	0.13	1.93	3742	3742	23489	15.9	0.0	9902	0.09	0.32	3.87	897	897	3134	28.6	0.0
Piano 3	1 - 3	E	- 8753	24656	0.02	0.14	3.87	495	495	3338	14.8	0.0	2974	0.09	0.31	3.87	272	272	931	29.2	0.0
Piano 3	1 - 8	E	- 8864	18535	0.09	0.15	3.87	1670	1670	2816	59.3	0.0	2946	0.02	0.33	3.87	59	59	967	6.1	0.0
Piano 3	1 - 8	E	- 6831	9389	0.09	0.18	3.87	846	846	1656	51.1	0.0	2249	0.02	0.33	3.87	44	44	745	5.9	0.0
Piano 3	1 - 8	E	- 7100	10140	0.09	0.17	3.87	914	914	1771	51.6	0.0	2316	0.02	0.33	3.87	44	44	774	5.7	0.0
Piano 3	1 - 7	E	- 15753	60344	0.09	0.14	3.87	5438	5438	8616	63.1	0.0	5082	0.02	0.34	3.87	95	95	1716	5.6	0.0
Piano 3	2 - 3	E	- 5251	7185	0.02	0.17	3.87	144	144	1210	11.9	0.0	1796	0.09	0.31	3.87	165	165	559	29.5	0.0
Piano 3	2 - 9	E	- 21683	12986	0.09	0.13	1.93	11848	11848	17291	68.5	0.0	5820	0.02	0.35	3.87	115	115	2048	5.6	0.0
Piano 3	2 - 10	E	- 20792	11922	0.09	0.14	1.93	10878	10878	16359	66.5	0.0	5467	0.02	0.36	3.87	103	103	1960	5.3	0.0
Piano 3	3 - 4	E	- 8429	17522	0.09	0.15	3.87	1608	1608	2621	61.4	0.0	2878	0.02	0.32	3.87	57	57	921	6.2	0.0
Piano 3	3 - 4	E	- 13191	46541	0.09	0.14	3.87	4272	4272	6340	67.4	0.0	4453	0.02	0.32	3.87	87	87	1441	6.0	0.0
Piano 3	3 - 4	E	- 24572	13367	0.09	0.16	3.87	12269	12269	21629	56.7	0.0	8163	0.02	0.33	3.87	154	154	2681	5.7	0.0
Piano 3	3 - 4	E	- 25320	13584	0.09	0.17	3.87	12469	12469	22505	55.4	0.0	8253	0.02	0.33	3.87	149	149	2759	5.4	0.0
Piano 3	3 - 4	E	- 13873	46541	0.09	0.14	3.87	4272	4272	6646	64.3	0.0	4453	0.02	0.34	3.87	78	78	1510	5.1	0.0
Piano 3	3 - 4	E	- 10658	25665	0.09	0.15	3.87	2356	2356	3875	60.8	0.0	3382	0.02	0.34	3.87	57	57	1159	5.0	0.0
Piano 3	6 - 4	E	- 49288	31192	0.02	0.12	1.93	5256	5256	37383	14.1	0.0	15348	0.09	0.34	3.87	1393	1393	5199	26.8	0.0
Piano 3	5 - 4	E	- 6040	8399	0.02	0.17	3.87	142	142	1466	9.7	0.0	1907	0.09	0.33	3.87	175	175	638	27.4	0.0
Piano 3	10 - 5	E	- 38447	24512	0.09	0.12	1.93	22364	22364	29562	75.7	0.0	9757	0.02	0.37	3.87	170	170	3612	4.7	0.0
Piano 3	8 - 6	E	- 16560	64629	0.09	0.15	3.87	5824	5824	9386	62.1	0.0	5271	0.02	0.34	3.87	96	96	1802	5.3	0.0
Piano 3	7 - 6	E	- 7143	9389	0.09	0.18	3.87	846	846	1726	49.0	0.0	2249	0.02	0.35	3.87	40	40	777	5.1	0.0
Piano 3	7 - 6	E	- 7204	9389	0.09	0.19	3.87	846	846	1740	48.6	0.0	2249	0.02	0.35	3.87	39	39	783	5.0	0.0
Piano 3	7 - 6	E	- 9814	19925	0.09	0.16	3.87	1795	1795	3197	56.2	0.0	3036	0.02	0.35	3.87	52	52	1066	4.8	0.0
Piano 3	7 - 10	E	- 29299	17959	0.02	0.13	1.93	3266	3266	22643	14.4	0.0	7494	0.09	0.37	3.87	679	679	2755	24.6	0.0
Piano 3	7 - 10	E	- 1839	394	0.02	0.40	3.87	7	7	157	4.6	0.0	475	0.09	0.36	3.87	43	43	173	25.0	0.0
Piano 3	8 - 9	E	- 28916	17959	0.02	0.13	1.93	3363	3363	22539	14.9	0.0	7494	0.09	0.36	3.87	679	679	2723	24.9	0.0
Piano 3	8 - 9	E	- 1815	394	0.02	0.39	3.87	7	7	155	4.7	0.0	475	0.09	0.36	3.87	43	43	171	25.3	0.0
Piano 3	9 - 10	E	- 5576	8834	0.09	0.16	3.87	806	806	1449	55.6	0.0	1444	0.02	0.36	3.87	26	26	525	5.0	0.0

**Cond. X 1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 55386	53848	0.02	0.07	1.00	9465	9465	35811	26.4	0.0	13670	0.04	0.11	2.00	4971	4971	14629	34.0	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	1 - 3	E	- 29141	38413 5	0.02	0.06	1.00	6752	6752	23315	29.0	0.0	10050 8	0.03	0.08	2.00	3464	3464	7994	43.3	0.0
Piano 1	1 - 8	E	- 20613	11168 6	0.04	0.11	1.00	4173	4173	11799	35.4	0.0	42825	0.02	0.13	2.00	739	739	5563	13.3	0.0
Piano 1	1 - 8	E	- 22190	11168 6	0.04	0.11	1.00	4173	4173	12104	34.5	0.0	42825	0.02	0.14	2.00	705	705	5937	11.9	0.0
Piano 1	1 - 8	E	- 23767	11168 6	0.04	0.11	1.00	4173	4173	12402	33.6	0.0	42825	0.02	0.15	2.00	671	671	6304	10.6	0.0
Piano 1	1 - 7	E	- 42122	23759 5	0.04	0.13	1.00	8877	8877	29916	29.7	0.0	70355	0.01	0.16	2.00	1035	1035	11058	9.4	0.0
Piano 1	2 - 5	E	- 20889 7	17716 02	0.03	0.07	1.00	61834	61834	12164 3	50.8	0.0	32623 2	0.01	0.14	2.00	4579	4579	44816	10.2	0.0
Piano 1	3 - 4	E	- 11503	11858 3	0.03	0.07	2.00	3997	3997	7888	50.7	0.0	44354	0.02	0.07	2.00	765	765	3264	23.4	0.0
Piano 1	3 - 4	E	- 14448 4	15388 80	0.03	0.09	1.00	51866	51866	13819 9	37.5	0.0	37930 5	0.01	0.11	2.00	5544	5544	39899	13.9	0.0
Piano 1	3 - 4	E	- 36618	24454 8	0.03	0.12	1.00	8242	8242	28853	28.6	0.0	71884	0.01	0.14	2.00	851	851	9818	8.7	0.0
Piano 1	3 - 4	E	- 27061	13862 8	0.03	0.12	1.00	4672	4672	16078	29.1	0.0	48759	0.01	0.15	2.00	530	530	7178	7.4	0.0
Piano 1	6 - 4	E	- 14723 0	84068 1	0.01	0.08	1.00	8824	8886	68402	12.9	0.0	20901 7	0.04	0.17	2.00	7500	7500	34987	21.4	0.0
Piano 1	5 - 4	E	- 16611	61299	0.01	0.09	1.00	643	648	5710	11.3	0.0	28193	0.03	0.15	2.00	958	958	4117	23.3	0.0
Piano 1	8 - 6	E	- 45177	22840 1	0.04	0.13	1.00	8534	8534	30144	28.3	0.0	68336	0.01	0.17	2.00	914	914	11683	7.8	0.0
Piano 1	7 - 6	E	- 30162	11168 6	0.04	0.12	1.00	4173	4173	13543	30.8	0.0	42825	0.01	0.18	2.00	533	533	7719	6.9	0.0
Piano 1	7 - 6	E	- 31739	11168 6	0.04	0.12	1.00	4173	4173	13810	30.2	0.0	42825	0.01	0.19	2.00	499	499	8049	6.2	0.0
Piano 1	7 - 6	E	- 34764	11996 7	0.04	0.13	1.00	4482	4482	15308	29.3	0.0	44660	0.01	0.20	2.00	484	484	8735	5.5	0.0
Piano 1	7 - 10	E	- 83884	57445 0	0.01	0.08	1.00	7714	7714	43519	17.7	0.0	10798 6	0.04	0.16	2.00	3901	3901	17363	22.5	0.0
Piano 1	8 - 9	E	- 75929	57445 0	0.01	0.07	1.00	8399	8399	41794	20.1	0.0	10798 6	0.04	0.15	2.00	3901	3901	16026	24.3	0.0
Piano 2	1 - 2	P	-5666	375	0.05	1.03	4.83	18	19	385	4.7	0.0	694	1.34	0.76	4.83	529	529	529	100.0	14.2
Piano 2	1 - 2	P	- 47773	91214	0.05	0.20	4.83	4419	4526	18230	24.2	0.0	6160	1.34	0.73	4.83	4526	4526	4526	100.0	14.9
Piano 2	1 - 3	P	- 14941	8358	0.05	0.37	4.83	405	415	3130	12.9	0.0	2070	1.35	0.70	4.83	1443	1443	1443	100.0	15.8
Piano 2	1 - 8	P	- 17555	6343	1.34	0.74	4.83	2366	2441	2366	100.0	14.6	2116	0.05	1.01	4.83	81	81	1668	4.9	0.0
Piano 2	1 - 8	P	- 11734	1888	1.34	1.06	4.83	1051	1324	1051	100.0	7.3	1375	0.05	1.01	4.83	58	58	1112	5.2	0.0
Piano 2	1 - 8	P	- 12035	1888	1.34	1.09	4.83	1073	1324	1073	100.0	6.8	1375	0.06	1.03	4.83	61	61	1134	5.3	0.0
Piano 2	1 - 7	P	- 38216	36218	1.34	0.52	4.83	9579	9703	9579	100.0	19.0	4232	0.06	1.11	4.83	186	186	3512	5.3	0.0
Piano 2	2 - 3	P	-7300	1313	0.05	0.61	4.83	64	65	799	8.0	0.0	1065	1.35	0.67	4.83	716	716	716	100.0	16.4
Piano 2	2 - 9	P	- 14578	8770	1.35	0.53	4.83	2381	2381	2381	100.0	19.0	1655	0.05	0.94	4.83	64	64	1215	5.2	0.0
Piano 2	2 - 9	C	- 37585	65867	1.93	0.33	2.41	10869	11705	10869	100.0	100.0	4086	0.05	1.06	2.41	154	154	3036	5.1	0.0
Piano 2	2 - 10	P	- 24157	24333	1.35	0.45	4.83	5546	5610	5546	100.0	20.5	2509	0.06	1.02	4.83	110	110	1925	5.7	0.0
Piano 2	3 - 4	P	- 15947	8212	1.35	0.60	4.83	2504	2508	2504	100.0	17.8	2328	0.05	0.88	4.83	90	90	1601	5.6	0.0
Piano 2	3 - 4	P	- 24305	21825	1.35	0.49	4.83	5425	5471	5425	100.0	19.9	3407	0.05	0.93	4.83	138	138	2426	5.7	0.0
Piano 2	3 - 4	P	- 27417	26289	1.35	0.49	4.83	6453	6573	6453	100.0	20.0	3682	0.06	0.96	4.83	159	159	2689	5.9	0.0
Piano 2	3 - 4	P	- 14910	5043	1.35	0.75	4.83	1886	1968	1886	100.0	14.9	1947	0.06	0.95	4.83	91	91	1441	6.3	0.0
Piano 2	3 - 4	P	- 14751	4599	1.35	0.77	4.83	1807	1816	1807	100.0	14.3	1883	0.06	0.96	4.83	92	92	1420	6.5	0.0
Piano 2	3 - 4	P	- 29788	26647	1.35	0.51	4.83	6861	6862	6861	100.0	19.6	3703	0.06	1.01	4.83	182	182	2837	6.4	0.0
Piano 2	3 - 4	P	- 28649	22156	1.35	0.54	4.83	6078	6217	6078	100.0	19.0	3428	0.07	1.03	4.83	180	180	2696	6.7	0.0
Piano 2	3 - 4	P	- 23132	11862	1.35	0.64	4.83	3853	3917	3853	100.0	17.0	2675	0.07	1.04	4.83	150	150	2162	6.9	0.0
Piano 2	6 - 4	P	- 19146	8544	0.07	0.44	4.83	625	625	3788	16.5	0.0	2087	1.35	0.83	4.83	1732	1732	1732	100.0	13.0
Piano 2	5 - 4	P	- 11534	2366	0.07	0.61	4.83	173	173	1444	12.0	0.0	1308	1.35	0.81	4.83	1053	1053	1053	100.0	13.6
Piano 2	6 - 5	P	- 86830	15884 6	0.07	0.25	4.83	11625	11625	39170	29.7	0.0	8849	1.34	0.87	4.83	7718	7718	7718	100.0	11.9
Piano 2	9 - 5	C	- 44096	74493	1.93	0.32	2.41	11843	13347	11843	100.0	100.0	4380	0.06	1.09	2.41	192	192	3347	5.7	0.0
Piano 2	10 - 5	P	- 21080	14361	1.35	0.53	4.83	3790	3840	3790	100.0	19.1	2010	0.07	1.05	4.83	103	103	1620	6.4	0.0
Piano 2	10 - 5	C	- 39288	52381	1.93	0.38	2.41	10148	10285	10148	100.0	100.0	3613	0.07	1.11	2.41	185	185	2879	6.4	0.0
Piano 2	8 - 6	P	- 37560	32020	1.34	0.55	4.83	8873	8885	8873	100.0	18.6	4008	0.06	1.13	4.83	190	190	3413	5.6	0.0
Piano 2	7 - 6	P	- 13269	1888	1.34	1.17	4.83	1157	1324	1157	100.0	4.6	1375	0.07	1.11	4.83	73	73	1224	6.0	0.0
Piano 2	7 - 6	P	- 13570	1888	1.34	1.19	4.83	1177	1324	1177	100.0	4.1	1375	0.07	1.13	4.83	76	76	1245	6.1	0.0
Piano 2	7 - 6	P	- 23522	8212	1.34	0.79	4.83	3322	3391	3322	100.0	13.5	2328	0.07	1.17	4.83	131	131	2125	6.2	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	7 - 10	P	-5873	341	0.06	1.13	4.83	21	21	385	5.6	0.0	526	1.34	0.92	4.83	482	482	482	100.0	10.8
Piano 2	7 - 10	P	- 74563	15559 6	0.06	0.23	4.83	9792	9792	35883	27.3	0.0	7072	1.35	0.88	4.83	6208	6208	6208	100.0	11.8
Piano 2	8 - 9	P	- 93545	21608 3	0.06	0.21	4.83	12700	12700	45719	27.8	0.0	9109	1.34	0.86	4.83	7840	7840	7840	100.0	12.2
Piano 3	1 - 2	E	- 30354	18644 5	0.02	0.13	1.93	3830	3830	23727	16.1	0.0	9902	0.09	0.32	3.87	919	919	3217	28.6	0.0
Piano 3	1 - 3	E	-8570	24656	0.02	0.13	3.87	507	507	3274	15.5	0.0	2974	0.09	0.31	3.87	273	273	913	29.9	0.0
Piano 3	1 - 8	E	-9382	18535	0.09	0.16	3.87	1731	1731	2969	58.3	0.0	2946	0.02	0.35	3.87	60	60	1020	5.9	0.0
Piano 3	1 - 8	E	-7227	9389	0.09	0.19	3.87	877	877	1745	50.3	0.0	2249	0.02	0.35	3.87	45	45	785	5.7	0.0
Piano 3	1 - 8	E	-7507	10140	0.09	0.18	3.87	947	947	1866	50.8	0.0	2316	0.02	0.35	3.87	45	45	815	5.5	0.0
Piano 3	1 - 7	E	- 16646	60344	0.09	0.15	3.87	5636	5636	9070	62.1	0.0	5082	0.02	0.36	3.87	95	95	1806	5.3	0.0
Piano 3	2 - 3	E	-4993	7185	0.02	0.16	3.87	148	148	1156	12.8	0.0	1796	0.09	0.30	3.87	164	164	534	30.7	0.0
Piano 3	2 - 9	E	- 21299	12986 6	0.09	0.13	1.93	11930	11930	17185	69.4	0.0	5820	0.02	0.35	3.87	117	117	2015	5.8	0.0
Piano 3	2 - 10	E	- 20429	11922 6	0.09	0.14	1.93	10953	10953	16259	67.4	0.0	5467	0.02	0.35	3.87	103	103	1929	5.4	0.0
Piano 3	3 - 4	E	-7953	17522	0.09	0.14	3.87	1596	1596	2482	64.3	0.0	2878	0.02	0.30	3.87	59	59	872	6.7	0.0
Piano 3	3 - 4	E	- 12454	46541	0.09	0.13	3.87	4240	4240	6007	70.6	0.0	4453	0.02	0.31	3.87	88	88	1365	6.4	0.0
Piano 3	3 - 4	E	- 23220	13367 0	0.09	0.15	3.87	12179	12179	20513	59.4	0.0	8163	0.02	0.31	3.87	154	154	2543	6.1	0.0
Piano 3	3 - 4	E	- 23951	13584 9	0.09	0.16	3.87	12377	12377	21365	57.9	0.0	8253	0.02	0.32	3.87	147	147	2620	5.6	0.0
Piano 3	3 - 4	E	- 13134	46541	0.09	0.14	3.87	4240	4240	6314	67.2	0.0	4453	0.02	0.32	3.87	76	76	1435	5.3	0.0
Piano 3	3 - 4	E	- 10097	25665	0.09	0.14	3.87	2338	2338	3684	63.5	0.0	3382	0.02	0.33	3.87	55	55	1102	5.0	0.0
Piano 3	6 - 4	E	- 49925	31192 9	0.02	0.12	1.93	5034	5034	37554	13.4	0.0	15348	0.09	0.34	3.87	1420	1420	5259	27.0	0.0
Piano 3	5 - 4	E	-5766	8399	0.02	0.17	3.87	136	136	1406	9.6	0.0	1907	0.09	0.32	3.87	174	174	612	28.4	0.0
Piano 3	10 - 5	E	- 37794	24512 1	0.09	0.12	1.93	22518	22518	29384	76.6	0.0	9757	0.02	0.36	3.87	165	165	3557	4.6	0.0
Piano 3	8 - 6	E	- 17485	64629	0.09	0.15	3.87	6036	6036	9872	61.1	0.0	5271	0.02	0.36	3.87	95	95	1895	5.0	0.0
Piano 3	7 - 6	E	-7537	9389	0.09	0.19	3.87	877	877	1814	48.3	0.0	2249	0.02	0.36	3.87	39	39	816	4.8	0.0
Piano 3	7 - 6	E	-7598	9389	0.09	0.19	3.87	877	877	1828	48.0	0.0	2249	0.02	0.37	3.87	38	38	822	4.6	0.0
Piano 3	7 - 6	E	- 10346	19925	0.09	0.17	3.87	1861	1861	3358	55.4	0.0	3036	0.02	0.37	3.87	50	50	1119	4.4	0.0
Piano 3	7 - 10	E	- 30064	17959 5	0.02	0.13	1.93	3226	3226	22850	14.1	0.0	7494	0.09	0.38	3.87	695	695	2820	24.7	0.0
Piano 3	7 - 10	E	-1814	394	0.02	0.39	3.87	7	7	155	4.6	0.0	475	0.09	0.36	3.87	44	44	171	25.5	0.0
Piano 3	8 - 9	E	- 29681	17959 5	0.02	0.13	1.93	3359	3359	22747	14.8	0.0	7494	0.09	0.37	3.87	695	695	2787	24.9	0.0
Piano 3	8 - 9	E	-1790	394	0.02	0.39	3.87	7	7	153	4.8	0.0	475	0.09	0.36	3.87	44	44	169	25.8	0.0
Piano 3	9 - 10	E	-5480	8834	0.09	0.16	3.87	812	812	1426	56.9	0.0	1444	0.02	0.36	3.87	26	26	517	5.1	0.0

**Cond\_X\_1(+); E(-); S2(+)** : 3) - Sisma X (+); 0.3 \* Sisma Y (+); **Distribuzione forze: Proporzionale masse; Eccentricità accidentale ( - 0.05\*L<sub>y</sub>)**

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,n</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,n</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,n</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,n</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,n</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,n</sub>
Piano 1	1 - 2	E	- 46884	53848 1	0.01	0.06	1.00	3906	3920	33660	11.6	0.0	13670 3	0.04	0.09	2.00	5314	5314	12642	42.0	0.0
Piano 1	1 - 3	E	- 34152	38413 5	0.01	0.06	1.00	2786	2797	24664	11.3	0.0	10050 8	0.04	0.09	2.00	3576	3576	9218	38.8	0.0
Piano 1	1 - 8	E	- 15432	11168 6	0.04	0.09	2.00	4535	4535	9990	45.4	0.0	42825	0.01	0.10	2.00	335	335	4282	7.8	0.0
Piano 1	1 - 8	E	- 17047	11168 6	0.04	0.10	2.00	4535	4535	10942	41.5	0.0	42825	0.01	0.11	2.00	394	394	4689	8.4	0.0
Piano 1	1 - 8	E	- 18661	11168 6	0.04	0.10	1.00	4535	4535	11409	39.8	0.0	42825	0.01	0.12	2.00	453	453	5090	8.9	0.0
Piano 1	1 - 7	E	- 33808	23759 5	0.04	0.12	1.00	9648	9648	27675	34.9	0.0	70355	0.01	0.13	2.00	860	860	9126	9.4	0.0
Piano 1	2 - 5	E	- 22105 5	17716 02	0.04	0.07	1.00	64379	64379	12440 4	51.7	0.0	32623 2	0.01	0.14	2.00	4371	4371	46970	9.3	0.0
Piano 1	3 - 4	E	- 15729	11858 3	0.03	0.09	2.00	4062	4062	10560	38.5	0.0	44354	0.01	0.10	2.00	348	348	4370	8.0	0.0
Piano 1	3 - 4	E	- 18173 7	15388 80	0.03	0.10	1.00	52718	52718	14905 4	35.4	0.0	37930 5	0.01	0.13	2.00	4701	4701	49071	9.6	0.0
Piano 1	3 - 4	E	- 43901	24454 8	0.03	0.13	1.00	8378	8378	30789	27.2	0.0	71884	0.02	0.16	2.00	1237	1237	11492	10.8	0.0
Piano 1	3 - 4	E	- 32054	13862 8	0.03	0.12	1.00	4749	4749	17106	27.8	0.0	48759	0.02	0.17	2.00	922	922	8297	11.1	0.0
Piano 1	6 - 4	E	- 14177 4	84068 1	0.02	0.08	1.00	16428	16428	67322	24.4	0.0	20901 7	0.04	0.16	2.00	7952	7952	34018	23.4	0.0
Piano 1	5 - 4	E	- 19034	61299	0.02	0.10	1.00	1198	1198	6042	19.8	0.0	28193	0.03	0.16	2.00	980	980	4572	21.4	0.0
Piano 1	8 - 6	E	- 37205	22840 1	0.04	0.12	1.00	9275	9275	28079	33.0	0.0	68336	0.01	0.14	2.00	995	995	9894	10.1	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	7 - 6	E	- 25211	11168 6	0.04	0.11	1.00	4535	4535	12669	35.8	0.0	42825	0.02	0.15	2.00	693	693	6634	10.4	0.0
Piano 1	7 - 6	E	- 26825	11168 6	0.04	0.12	1.00	4535	4535	12960	35.0	0.0	42825	0.02	0.16	2.00	752	752	6996	10.7	0.0
Piano 1	7 - 6	E	- 29680	11996 7	0.04	0.12	1.00	4872	4872	14409	33.8	0.0	44660	0.02	0.17	2.00	846	846	7670	11.0	0.0
Piano 1	7 - 10	E	- 77618	57445 0	0.01	0.07	1.00	8302	8302	42166	19.7	0.0	10798 6	0.04	0.15	2.00	4153	4153	16315	25.5	0.0
Piano 1	8 - 9	E	- 69471	57445 0	0.01	0.07	1.00	7113	7113	40339	17.6	0.0	10798 6	0.04	0.14	2.00	4153	4153	14893	27.9	0.0
Piano 2	1 - 2	P	-4871	375	0.08	0.92	4.83	30	30	344	8.6	0.0	694	1.16	0.68	4.83	474	474	474	100.0	11.6
Piano 2	1 - 2	P	- 44816	91214	0.08	0.20	4.83	7200	7200	17790	40.5	0.0	6160	1.17	0.70	4.83	4316	4316	4316	100.0	11.3
Piano 2	1 - 3	P	- 15764	8358	0.08	0.39	4.83	660	660	3249	20.3	0.0	2070	1.17	0.72	4.83	1498	1498	1498	100.0	11.0
Piano 2	1 - 8	P	- 14921	6343	1.16	0.66	4.83	2096	2127	2096	100.0	12.1	2116	0.08	0.90	4.83	128	128	1478	8.7	0.0
Piano 2	1 - 8	P	- 10031	1888	1.16	0.94	4.83	925	1149	925	100.0	5.8	1375	0.07	0.89	4.83	81	81	978	8.3	0.0
Piano 2	1 - 8	P	- 10340	1888	1.16	0.96	4.83	949	1149	949	100.0	5.2	1375	0.07	0.91	4.83	78	78	1003	7.7	0.0
Piano 2	1 - 7	P	- 33035	36218	1.16	0.48	4.83	8725	8755	8725	100.0	15.8	4232	0.07	1.01	4.83	210	210	3199	6.6	0.0
Piano 2	2 - 3	P	-8359	1313	0.08	0.67	4.83	104	104	880	11.8	0.0	1065	1.18	0.74	4.83	788	788	788	100.0	10.7
Piano 2	2 - 9	P	- 15261	8770	1.17	0.55	4.83	2442	2518	2442	100.0	14.7	1655	0.08	0.97	4.83	100	100	1246	8.0	0.0
Piano 2	2 - 9	C	- 39316	65867	1.93	0.33	2.41	10998	11719	10998	100.0	100.0	4086	0.07	1.07	2.41	208	208	3091	6.7	0.0
Piano 2	2 - 10	P	- 25250	24333	1.17	0.46	4.83	5675	5731	5675	100.0	16.3	2509	0.07	1.04	4.83	126	126	1970	6.4	0.0
Piano 2	3 - 4	P	- 18555	8212	1.18	0.67	4.83	2784	2849	2784	100.0	12.3	2328	0.08	0.98	4.83	141	141	1781	7.9	0.0
Piano 2	3 - 4	P	- 28149	21825	1.18	0.54	4.83	5965	6066	5965	100.0	14.9	3407	0.07	1.02	4.83	190	190	2667	7.1	0.0
Piano 2	3 - 4	P	- 31604	26289	1.18	0.53	4.83	7082	7101	7082	100.0	15.0	3682	0.07	1.06	4.83	190	190	2951	6.5	0.0
Piano 2	3 - 4	P	- 17135	5043	1.18	0.83	4.83	2101	2207	2101	100.0	8.7	1947	0.06	1.05	4.83	99	99	1605	6.1	0.0
Piano 2	3 - 4	P	- 16912	4599	1.18	0.86	4.83	2009	2037	2009	100.0	8.0	1883	0.06	1.07	4.83	92	92	1579	5.8	0.0
Piano 2	3 - 4	P	- 34060	26647	1.18	0.56	4.83	7520	7659	7520	100.0	14.6	3703	0.06	1.10	4.83	165	165	3110	5.3	0.0
Piano 2	3 - 4	P	- 32633	22156	1.18	0.59	4.83	6666	6858	6666	100.0	13.9	3428	0.05	1.13	4.83	141	141	2957	4.8	0.0
Piano 2	3 - 4	P	- 26262	11862	1.18	0.71	4.83	4235	4257	4235	100.0	11.5	2675	0.05	1.15	4.83	101	101	2377	4.3	0.0
Piano 2	6 - 4	P	- 20091	8544	0.05	0.46	4.83	406	409	3927	10.4	0.0	2087	1.17	0.86	4.83	1795	1795	1795	100.0	7.9
Piano 2	5 - 4	C	- 12887	2366	0.05	0.66	2.41	113	113	1570	7.2	0.0	1308	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	6 - 5	P	- 81601	15884 6	0.05	0.24	4.83	7557	7609	38161	19.8	0.0	8849	1.17	0.83	4.83	7378	7378	7378	100.0	8.3
Piano 2	9 - 5	C	- 46057	74493	1.93	0.32	2.41	11980	13363	11980	100.0	100.0	4380	0.06	1.11	2.41	186	186	3403	5.5	0.0
Piano 2	10 - 5	P	- 22003	14361	1.17	0.54	4.83	3885	3940	3885	100.0	14.8	2010	0.06	1.08	4.83	85	85	1660	5.1	0.0
Piano 2	10 - 5	C	- 40986	52381	1.93	0.39	2.41	10286	10298	10286	100.0	100.0	3613	0.05	1.13	2.41	130	130	2933	4.4	0.0
Piano 2	8 - 6	P	- 32692	32020	1.16	0.50	4.83	8091	8131	8091	100.0	15.4	4008	0.06	1.03	4.83	183	183	3112	5.9	0.0
Piano 2	7 - 6	P	- 11609	1888	1.16	1.05	4.83	1042	1149	1042	100.0	2.9	1375	0.06	1.00	4.83	62	62	1102	5.6	0.0
Piano 2	7 - 6	P	- 11918	1888	1.16	1.08	4.83	1064	1149	1064	100.0	2.3	1375	0.05	1.02	4.83	58	58	1126	5.1	0.0
Piano 2	7 - 6	P	- 20742	8212	1.16	0.72	4.83	3025	3059	3025	100.0	10.7	2328	0.05	1.06	4.83	89	89	1934	4.6	0.0
Piano 2	7 - 10	P	-5171	341	0.06	1.03	4.83	21	21	350	5.9	0.0	526	1.16	0.83	4.83	438	438	438	100.0	8.3
Piano 2	7 - 10	P	- 72413	15559 6	0.06	0.23	4.83	9424	9424	35452	26.6	0.0	7072	1.17	0.86	4.83	6072	6072	6072	100.0	7.8
Piano 2	8 - 9	P	- 88872	21608 3	0.07	0.21	4.83	14226	14226	44767	31.8	0.0	9109	1.17	0.83	4.83	7539	7539	7539	100.0	8.5
Piano 3	1 - 2	E	- 29513	18644 5	0.02	0.13	1.93	3434	3434	23496	14.6	0.0	9902	0.09	0.32	3.87	892	892	3136	28.4	0.0
Piano 3	1 - 3	E	-8758	24656	0.02	0.14	3.87	454	454	3339	13.6	0.0	2974	0.09	0.31	3.87	268	268	932	28.8	0.0
Piano 3	1 - 8	E	-8872	18535	0.09	0.15	3.87	1668	1668	2818	59.2	0.0	2946	0.02	0.33	3.87	54	54	968	5.6	0.0
Piano 3	1 - 8	E	-6837	9389	0.09	0.18	3.87	845	845	1657	51.0	0.0	2249	0.02	0.33	3.87	41	41	746	5.5	0.0
Piano 3	1 - 8	E	-7104	10140	0.09	0.17	3.87	912	912	1772	51.5	0.0	2316	0.02	0.33	3.87	42	42	774	5.5	0.0
Piano 3	1 - 7	E	- 15760	60344	0.09	0.14	3.87	5430	5430	8620	63.0	0.0	5082	0.02	0.34	3.87	92	92	1716	5.4	0.0
Piano 3	2 - 3	E	-5253	7185	0.02	0.17	3.87	132	132	1210	10.9	0.0	1796	0.09	0.31	3.87	162	162	559	29.0	0.0
Piano 3	2 - 9	E	- 21692	12986 6	0.09	0.13	1.93	11712	11712	17294	67.7	0.0	5820	0.02	0.35	3.87	107	107	2049	5.2	0.0
Piano 3	2 - 10	E	- 20794	11922 6	0.09	0.14	1.93	10753	10753	16360	65.7	0.0	5467	0.02	0.36	3.87	99	99	1961	5.1	0.0
Piano 3	3 - 4	E	-8431	17522	0.09	0.15	3.87	1582	1582	2622	60.4	0.0	2878	0.02	0.32	3.87	53	53	922	5.7	0.0
Piano 3	3 - 4	E	- 13193	46541	0.09	0.14	3.87	4202	4202	6341	66.3	0.0	4453	0.02	0.32	3.87	82	82	1441	5.7	0.0
Piano 3	3 - 4	E	- 24569	13367 0	0.09	0.16	3.87	12069	12069	21627	55.8	0.0	8163	0.02	0.33	3.87	149	149	2681	5.5	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	3 - 4	E	- 25309	13584 9	0.09	0.17	3.87	12266	12266	22496	54.5	0.0	8253	0.02	0.33	3.87	149	149	2758	5.4	0.0
Piano 3	3 - 4	E	- 13864	46541	0.09	0.14	3.87	4202	4202	6642	63.3	0.0	4453	0.02	0.34	3.87	80	80	1509	5.3	0.0
Piano 3	3 - 4	E	- 10650	25665	0.09	0.15	3.87	2317	2317	3872	59.8	0.0	3382	0.02	0.34	3.87	60	60	1159	5.2	0.0
Piano 3	6 - 4	E	- 49262	31192 9	0.02	0.12	1.93	5557	5557	37376	14.9	0.0	15348	0.09	0.34	3.87	1383	1383	5196	26.6	0.0
Piano 3	5 - 4	E	-6035	8399	0.02	0.17	3.87	150	150	1465	10.2	0.0	1907	0.09	0.33	3.87	172	172	637	27.0	0.0
Piano 3	10 - 5	E	- 38429	24512 1	0.09	0.12	1.93	22107	22107	29557	74.8	0.0	9757	0.02	0.37	3.87	175	175	3611	4.8	0.0
Piano 3	8 - 6	E	- 16563	64629	0.09	0.15	3.87	5815	5815	9388	61.9	0.0	5271	0.02	0.34	3.87	95	95	1802	5.3	0.0
Piano 3	7 - 6	E	-7143	9389	0.09	0.18	3.87	845	845	1726	48.9	0.0	2249	0.02	0.35	3.87	40	40	777	5.2	0.0
Piano 3	7 - 6	E	-7203	9389	0.09	0.19	3.87	845	845	1739	48.6	0.0	2249	0.02	0.35	3.87	40	40	783	5.1	0.0
Piano 3	7 - 6	E	-9812	19925	0.09	0.16	3.87	1793	1793	3196	56.1	0.0	3036	0.02	0.35	3.87	54	54	1066	5.1	0.0
Piano 3	7 - 10	E	- 29300	17959 5	0.02	0.13	1.93	3245	3245	22644	14.3	0.0	7494	0.09	0.37	3.87	675	675	2755	24.5	0.0
Piano 3	7 - 10	E	-1839	394	0.02	0.40	3.87	7	7	157	4.5	0.0	475	0.09	0.36	3.87	43	43	173	24.7	0.0
Piano 3	8 - 9	E	- 28923	17959 5	0.02	0.13	1.93	3263	3263	22541	14.5	0.0	7494	0.09	0.36	3.87	675	675	2723	24.8	0.0
Piano 3	8 - 9	E	-1815	394	0.02	0.39	3.87	7	7	155	4.6	0.0	475	0.09	0.36	3.87	43	43	171	25.0	0.0
Piano 3	9 - 10	E	-5575	8834	0.09	0.16	3.87	797	797	1449	55.0	0.0	1444	0.02	0.36	3.87	26	26	525	5.0	0.0

**Cond\_X 1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 55386	53848 1	0.02	0.07	1.00	10094	10094	35811	28.2	0.0	13670 3	0.04	0.11	2.00	5031	5031	14629	34.4	0.0
Piano 1	1 - 3	E	- 29141	38413 5	0.02	0.06	1.00	7201	7201	23315	30.9	0.0	10050 8	0.03	0.08	2.00	3448	3448	7994	43.1	0.0
Piano 1	1 - 8	E	- 20613	11168 6	0.04	0.11	1.00	4257	4257	11799	36.1	0.0	42825	0.02	0.13	2.00	784	784	5563	14.1	0.0
Piano 1	1 - 8	E	- 22190	11168 6	0.04	0.11	1.00	4257	4257	12104	35.2	0.0	42825	0.02	0.14	2.00	739	739	5937	12.5	0.0
Piano 1	1 - 8	E	- 23767	11168 6	0.04	0.11	1.00	4257	4257	12402	34.3	0.0	42825	0.02	0.15	2.00	695	695	6304	11.0	0.0
Piano 1	1 - 7	E	- 42122	23759 5	0.04	0.13	1.00	9056	9056	29916	30.3	0.0	70355	0.01	0.16	2.00	1054	1054	11058	9.5	0.0
Piano 1	2 - 5	E	- 20889 7	17716 02	0.03	0.07	1.00	61801	61801	12164 3	50.8	0.0	32623 2	0.01	0.14	2.00	4598	4598	44816	10.3	0.0
Piano 1	3 - 4	E	- 11502	11858 3	0.03	0.07	2.00	3950	3950	7888	50.1	0.0	44354	0.02	0.07	2.00	812	812	3264	24.9	0.0
Piano 1	3 - 4	E	- 14448 4	15388 80	0.03	0.09	1.00	51258	51258	13819 9	37.1	0.0	37930 5	0.01	0.11	2.00	5634	5634	39899	14.1	0.0
Piano 1	3 - 4	E	- 36619	24454 8	0.03	0.12	1.00	8145	8145	28853	28.2	0.0	71884	0.01	0.14	2.00	806	806	9818	8.2	0.0
Piano 1	3 - 4	E	- 27061	13862 8	0.03	0.12	1.00	4617	4617	16078	28.7	0.0	48759	0.01	0.15	2.00	484	484	7178	6.7	0.0
Piano 1	6 - 4	E	- 14723 0	84068 1	0.01	0.08	1.00	7939	8008	68402	11.6	0.0	20901 7	0.04	0.17	2.00	7561	7561	34987	21.6	0.0
Piano 1	5 - 4	E	- 16611	61299	0.01	0.09	1.00	579	584	5710	10.1	0.0	28193	0.03	0.15	2.00	950	950	4117	23.1	0.0
Piano 1	8 - 6	E	- 45177	22840 1	0.04	0.13	1.00	8706	8706	30144	28.9	0.0	68336	0.01	0.17	2.00	903	903	11683	7.7	0.0
Piano 1	7 - 6	E	- 30162	11168 6	0.04	0.12	1.00	4257	4257	13543	31.4	0.0	42825	0.01	0.18	2.00	514	514	7719	6.7	0.0
Piano 1	7 - 6	E	- 31739	11168 6	0.04	0.12	1.00	4257	4257	13810	30.8	0.0	42825	0.01	0.19	2.00	469	469	8049	5.8	0.0
Piano 1	7 - 6	E	- 34765	11996 7	0.04	0.13	1.00	4573	4573	15308	29.9	0.0	44660	0.01	0.20	2.00	442	442	8735	5.1	0.0
Piano 1	7 - 10	E	- 83884	57445 0	0.01	0.08	1.00	7638	7638	43519	17.6	0.0	10798 6	0.04	0.16	2.00	3940	3940	17363	22.7	0.0
Piano 1	8 - 9	E	- 75929	57445 0	0.01	0.07	1.00	8538	8538	41794	20.4	0.0	10798 6	0.04	0.15	2.00	3940	3940	16026	24.6	0.0
Piano 2	1 - 2	P	-5666	375	0.05	1.03	4.83	20	21	385	5.3	0.0	694	1.26	0.76	4.83	529	529	529	100.0	12.3
Piano 2	1 - 2	P	- 47773	91214	0.05	0.20	4.83	4962	5040	18219	27.2	0.0	6160	1.26	0.73	4.83	4521	4521	4521	100.0	12.9
Piano 2	1 - 3	P	- 14941	8358	0.05	0.37	4.83	455	461	3130	14.5	0.0	2070	1.27	0.70	4.83	1443	1443	1443	100.0	13.8
Piano 2	1 - 8	P	- 17555	6343	1.26	0.74	4.83	2366	2426	2366	100.0	12.7	2116	0.05	1.01	4.83	91	91	1668	5.4	0.0
Piano 2	1 - 8	P	- 11734	1888	1.26	1.06	4.83	1051	1247	1051	100.0	5.3	1375	0.06	1.01	4.83	62	62	1112	5.6	0.0
Piano 2	1 - 8	P	- 12035	1888	1.26	1.09	4.83	1073	1247	1073	100.0	4.7	1375	0.06	1.03	4.83	64	64	1134	5.6	0.0
Piano 2	1 - 7	P	- 38216	36218	1.26	0.52	4.83	9579	9730	9579	100.0	17.2	4232	0.06	1.11	4.83	191	191	3512	5.4	0.0
Piano 2	2 - 3	P	-7300	1313	0.05	0.61	4.83	71	72	799	8.9	0.0	1065	1.27	0.67	4.83	716	716	716	100.0	14.4
Piano 2	2 - 9	P	- 14578	8770	1.27	0.53	4.83	2377	2446	2377	100.0	17.1	1655	0.05	0.94	4.83	71	71	1213	5.8	0.0
Piano 2	2 - 9	C	- 37585	65867	1.93	0.33	2.41	10869	11695	10869	100.0	100.0	4086	0.06	1.06	2.41	165	165	3036	5.4	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	2 - 10	P	- 24157	24333	1.27	0.45	4.83	5546	5605	5546	100.0	18.7	2509	0.06	1.02	4.83	113	113	1925	5.9	0.0
Piano 2	3 - 4	P	- 15947	8212	1.27	0.60	4.83	2498	2593	2498	100.0	15.9	2328	0.05	0.88	4.83	100	100	1598	6.3	0.0
Piano 2	3 - 4	P	- 24305	21825	1.27	0.49	4.83	5425	5450	5425	100.0	17.9	3407	0.06	0.93	4.83	148	148	2426	6.1	0.0
Piano 2	3 - 4	P	- 27417	26289	1.27	0.49	4.83	6453	6548	6453	100.0	18.0	3682	0.06	0.96	4.83	165	165	2689	6.1	0.0
Piano 2	3 - 4	P	- 14910	5043	1.27	0.75	4.83	1886	1942	1886	100.0	12.8	1947	0.06	0.95	4.83	92	92	1441	6.4	0.0
Piano 2	3 - 4	P	- 14751	4599	1.27	0.77	4.83	1806	1887	1806	100.0	12.2	1883	0.06	0.96	4.83	92	92	1419	6.5	0.0
Piano 2	3 - 4	P	- 29788	26647	1.27	0.51	4.83	6859	6997	6859	100.0	17.6	3703	0.06	1.01	4.83	178	178	2836	6.3	0.0
Piano 2	3 - 4	P	- 28649	22156	1.27	0.54	4.83	6078	6170	6078	100.0	17.0	3428	0.07	1.03	4.83	172	172	2696	6.4	0.0
Piano 2	3 - 4	P	- 23132	11862	1.27	0.64	4.83	3853	3881	3853	100.0	15.0	2675	0.07	1.04	4.83	140	140	2162	6.5	0.0
Piano 2	6 - 4	P	- 19146	8544	0.07	0.44	4.83	583	583	3788	15.4	0.0	2087	1.27	0.83	4.83	1732	1732	1732	100.0	10.9
Piano 2	5 - 4	P	- 11534	2366	0.07	0.61	4.83	161	161	1444	11.2	0.0	1308	1.27	0.81	4.83	1053	1053	1053	100.0	11.5
Piano 2	6 - 5	P	- 86830	15884 6	0.07	0.25	4.83	10831	10831	39170	27.7	0.0	8849	1.26	0.87	4.83	7718	7718	7718	100.0	9.9
Piano 2	9 - 5	C	- 44096	74493	1.93	0.32	2.41	11843	13336	11843	100.0	100.0	4380	0.06	1.09	2.41	191	191	3347	5.7	0.0
Piano 2	10 - 5	P	- 21080	14361	1.27	0.53	4.83	3790	3828	3790	100.0	17.2	2010	0.06	1.05	4.83	100	100	1620	6.2	0.0
Piano 2	10 - 5	C	- 39288	52381	1.93	0.38	2.41	10148	10277	10148	100.0	100.0	3613	0.07	1.11	2.41	175	175	2879	6.1	0.0
Piano 2	8 - 6	P	- 37560	32020	1.26	0.55	4.83	8873	8897	8873	100.0	16.7	4008	0.06	1.13	4.83	189	189	3413	5.5	0.0
Piano 2	7 - 6	P	- 13269	1888	1.26	1.17	4.83	1157	1247	1157	100.0	2.5	1375	0.06	1.11	4.83	71	71	1224	5.8	0.0
Piano 2	7 - 6	P	- 13570	1888	1.26	1.19	4.83	1177	1247	1177	100.0	1.9	1375	0.07	1.13	4.83	73	73	1245	5.8	0.0
Piano 2	7 - 6	P	- 23522	8212	1.26	0.79	4.83	3322	3360	3322	100.0	11.6	2328	0.07	1.17	4.83	123	123	2125	5.8	0.0
Piano 2	7 - 10	C	-5873	341	0.06	1.13	2.41	21	21	386	5.5	0.0	526	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	7 - 10	P	- 74563 6	15559	0.06	0.23	4.83	9721	9721	35883	27.1	0.0	7072	1.26	0.88	4.83	6208	6208	6208	100.0	9.8
Piano 2	8 - 9	P	- 93545 3	21608	0.06	0.21	4.83	12999	12999	45719	28.4	0.0	9109	1.26	0.86	4.83	7839	7839	7839	100.0	10.2
Piano 3	1 - 2	E	- 30354 5	18644	0.02	0.13	1.93	4097	4097	23727	17.3	0.0	9902	0.09	0.32	3.87	924	924	3217	28.7	0.0
Piano 3	1 - 3	E	-8570	24656	0.02	0.13	3.87	542	542	3274	16.5	0.0	2974	0.09	0.31	3.87	273	273	913	29.9	0.0
Piano 3	1 - 8	E	-9382	18535	0.09	0.16	3.87	1747	1747	2969	58.8	0.0	2946	0.02	0.35	3.87	64	64	1020	6.3	0.0
Piano 3	1 - 8	E	-7227	9389	0.09	0.19	3.87	885	885	1745	50.7	0.0	2249	0.02	0.35	3.87	47	47	785	6.0	0.0
Piano 3	1 - 8	E	-7507	10140	0.09	0.18	3.87	956	956	1866	51.2	0.0	2316	0.02	0.35	3.87	47	47	815	5.7	0.0
Piano 3	1 - 7	E	- 16646	60344	0.09	0.15	3.87	5688	5688	9070	62.7	0.0	5082	0.02	0.36	3.87	97	97	1806	5.4	0.0
Piano 3	2 - 3	E	-4993	7185	0.02	0.16	3.87	158	158	1156	13.7	0.0	1796	0.09	0.30	3.87	163	163	534	30.6	0.0
Piano 3	2 - 9	E	- 21299 6	12986	0.09	0.13	1.93	11924	11924	17185	69.4	0.0	5820	0.02	0.35	3.87	123	123	2015	6.1	0.0
Piano 3	2 - 10	E	- 20429 6	11922	0.09	0.14	1.93	10947	10947	16259	67.3	0.0	5467	0.02	0.35	3.87	106	106	1929	5.5	0.0
Piano 3	3 - 4	E	-7953	17522	0.09	0.14	3.87	1588	1588	2482	64.0	0.0	2878	0.02	0.30	3.87	62	62	872	7.2	0.0
Piano 3	3 - 4	E	- 12454	46541	0.09	0.13	3.87	4218	4218	6007	70.2	0.0	4453	0.02	0.31	3.87	92	92	1365	6.8	0.0
Piano 3	3 - 4	E	- 23220 0	13367	0.09	0.15	3.87	12113	12113	20513	59.1	0.0	8163	0.02	0.31	3.87	158	158	2543	6.2	0.0
Piano 3	3 - 4	E	- 23951 9	13584	0.09	0.16	3.87	12311	12311	21365	57.6	0.0	8253	0.02	0.32	3.87	146	146	2620	5.6	0.0
Piano 3	3 - 4	E	- 13134	46541	0.09	0.14	3.87	4218	4218	6314	66.8	0.0	4453	0.02	0.32	3.87	73	73	1435	5.1	0.0
Piano 3	3 - 4	E	- 10097	25665	0.09	0.14	3.87	2326	2326	3684	63.1	0.0	3382	0.02	0.33	3.87	52	52	1102	4.7	0.0
Piano 3	6 - 4	E	- 49925 9	31192	0.01	0.12	1.93	4675	4675	37554	12.4	0.0	15348	0.09	0.34	3.87	1425	1425	5259	27.1	0.0
Piano 3	5 - 4	E	-5766	8399	0.01	0.17	3.87	126	126	1406	9.0	0.0	1907	0.09	0.32	3.87	173	173	612	28.3	0.0
Piano 3	10 - 5	E	- 37794 1	24512	0.09	0.12	1.93	22507	22507	29384	76.6	0.0	9757	0.02	0.36	3.87	159	159	3557	4.5	0.0
Piano 3	8 - 6	E	- 17485	64629	0.09	0.15	3.87	6092	6092	9872	61.7	0.0	5271	0.02	0.36	3.87	94	94	1895	5.0	0.0
Piano 3	7 - 6	E	-7537	9389	0.09	0.19	3.87	885	885	1814	48.8	0.0	2249	0.02	0.36	3.87	38	38	816	4.7	0.0
Piano 3	7 - 6	E	-7598	9389	0.09	0.19	3.87	885	885	1828	48.4	0.0	2249	0.02	0.37	3.87	36	36	822	4.4	0.0
Piano 3	7 - 6	E	- 10346	19925	0.09	0.17	3.87	1878	1878	3358	55.9	0.0	3036	0.02	0.37	3.87	46	46	1119	4.1	0.0
Piano 3	7 - 10	E	- 30064 5	17959	0.02	0.13	1.93	3212	3212	22850	14.1	0.0	7494	0.09	0.38	3.87	699	699	2820	24.8	0.0
Piano 3	7 - 10	E	-1814	394	0.02	0.39	3.87	7	7	155	4.5	0.0	475	0.09	0.36	3.87	44	44	171	25.5	0.0
Piano 3	8 - 9	E	- 29681 5	17959	0.02	0.13	1.93	3422	3422	22747	15.0	0.0	7494	0.09	0.37	3.87	699	699	2787	25.1	0.0
Piano 3	8 - 9	E	-1790	394	0.02	0.39	3.87	7	7	153	4.9	0.0	475	0.09	0.36	3.87	44	44	169	25.8	0.0
Piano 3	9 - 10	E	-5480	8834	0.09	0.16	3.87	811	811	1426	56.9	0.0	1444	0.02	0.36	3.87	26	26	517	5.0	0.0



**Cond\_X\_1(-); E(+); S2(+)** : 5) - Sisma X (-); 0.3 \* Sisma Y (+); **Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>o</sub>	%_δ <sub>u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>o</sub>	%_δ <sub>u</sub>
Piano 1	1 - 2	E	- 86159	53848 1	0.02	0.08	1.00	8900	8900	42700	20.8	0.0	13670 3	0.04	0.15	2.00	5290	5290	21040	25.1	0.0
Piano 1	1 - 3	E	- 62370	38413 5	0.02	0.08	1.00	6349	6349	31193	20.4	0.0	10050 8	0.04	0.15	2.00	3730	3730	15285	24.4	0.0
Piano 1	1 - 8	E	- 26740	11168 6	0.04	0.12	1.00	4415	4415	12945	34.1	0.0	42825	0.02	0.16	2.00	696	696	6977	10.0	0.0
Piano 1	1 - 8	E	- 25611	11168 6	0.04	0.11	1.00	4415	4415	12742	34.7	0.0	42825	0.02	0.16	2.00	667	667	6725	9.9	0.0
Piano 1	1 - 8	E	- 24483	11168 6	0.04	0.11	1.00	4415	4415	12535	35.2	0.0	42825	0.01	0.15	2.00	639	639	6469	9.9	0.0
Piano 1	1 - 7	E	- 38019	23759 5	0.04	0.12	1.00	9393	9393	28832	32.6	0.0	70355	0.01	0.14	2.00	994	994	10120	9.8	0.0
Piano 1	2 - 5	E	- 21963 2	17716 02	0.04	0.07	1.00	66390	66390	12408 4	53.5	0.0	32623 2	0.01	0.14	2.00	4425	4425	46721	9.5	0.0
Piano 1	3 - 4	E	- 26852	11858 3	0.04	0.12	1.00	4325	4325	13729	31.5	0.0	44354	0.02	0.16	2.00	720	720	7038	10.2	0.0
Piano 1	3 - 4	E	- 19661 3	15388 80	0.04	0.10	1.00	56124	56124	15317 4	36.6	0.0	37930 5	0.01	0.14	2.00	5328	5328	52606	10.1	0.0
Piano 1	3 - 4	E	- 30650	24454 8	0.04	0.11	1.00	8919	8919	27162	32.8	0.0	71884	0.01	0.12	2.00	843	843	8377	10.1	0.0
Piano 1	3 - 4	E	- 19198	13862 8	0.04	0.10	2.00	5056	5056	14044	36.0	0.0	48759	0.01	0.11	2.00	532	532	5286	10.1	0.0
Piano 1	6 - 4	E	- 82114	84068 1	0.01	0.06	1.00	8910	8988	54120	16.5	0.0	20901 7	0.04	0.10	2.00	8005	8005	21778	36.8	0.0
Piano 1	5 - 4	E	- 10802	61299	0.01	0.08	1.00	650	655	4821	13.5	0.0	28193	0.04	0.10	2.00	1035	1035	2874	36.0	0.0
Piano 1	8 - 6	E	- 33876	22840 1	0.04	0.12	1.00	9030	9030	27170	33.2	0.0	68336	0.01	0.13	2.00	889	889	9112	9.8	0.0
Piano 1	7 - 6	E	- 19905	11168 6	0.04	0.10	1.00	4415	4415	11659	37.9	0.0	42825	0.01	0.13	2.00	523	523	5392	9.7	0.0
Piano 1	7 - 6	E	- 18776	11168 6	0.04	0.10	1.00	4415	4415	11432	38.6	0.0	42825	0.01	0.12	2.00	495	495	5118	9.7	0.0
Piano 1	7 - 6	E	- 18389	11996 7	0.04	0.10	1.00	4743	4743	12179	38.9	0.0	44660	0.01	0.11	2.00	486	486	5043	9.6	0.0
Piano 1	7 - 10	E	- 70698	57445 0	0.01	0.07	1.00	7499	7499	40620	18.5	0.0	10798 6	0.04	0.14	2.00	4157	4157	15111	27.5	0.0
Piano 1	8 - 9	E	- 76393	57445 0	0.01	0.07	1.00	8073	8073	41896	19.3	0.0	10798 6	0.04	0.15	2.00	4157	4157	16106	25.8	0.0
Piano 2	1 - 2	P	-6653	375	0.05	1.15	4.83	20	21	433	4.7	0.0	694	1.47	0.86	4.83	595	595	595	100.0	15.4
Piano 2	1 - 2	P	- 60491	91214	0.05	0.22	4.83	4957	5032	20051	24.7	0.0	6160	1.47	0.87	4.83	5377	5377	5377	100.0	15.1
Piano 2	1 - 3	P	- 20969	8358	0.05	0.48	4.83	454	461	4006	11.3	0.0	2070	1.47	0.89	4.83	1847	1847	1847	100.0	14.8
Piano 2	1 - 8	P	- 19985	6343	1.47	0.82	4.83	2609	2737	2609	100.0	16.1	2116	0.05	1.11	4.83	91	91	1840	4.9	0.0
Piano 2	1 - 8	P	- 12507	1888	1.47	1.12	4.83	1106	1450	1106	100.0	9.4	1375	0.06	1.06	4.83	62	62	1169	5.3	0.0
Piano 2	1 - 8	P	- 12058	1888	1.47	1.09	4.83	1074	1450	1074	100.0	10.2	1375	0.06	1.03	4.83	64	64	1136	5.7	0.0
Piano 2	1 - 7	P	- 35327	36218	1.47	0.50	4.83	9100	9170	9100	100.0	22.4	4232	0.06	1.05	4.83	192	192	3337	5.8	0.0
Piano 2	2 - 3	P	- 11016	1313	0.05	0.82	4.83	71	72	1077	6.6	0.0	1065	1.48	0.91	4.83	964	964	964	100.0	14.5
Piano 2	2 - 9	P	- 19849	8770	1.47	0.64	4.83	2855	2902	2855	100.0	19.9	1655	0.05	1.13	4.83	71	71	1457	4.9	0.0
Piano 2	2 - 9	C	- 46595	65867	1.93	0.35	2.41	11538	11704	11538	100.0	100.0	4086	0.06	1.15	2.41	165	165	3307	5.0	0.0
Piano 2	2 - 10	P	- 27011	24333	1.47	0.48	4.83	5880	5940	5880	100.0	22.9	2509	0.06	1.08	4.83	114	114	2042	5.6	0.0
Piano 2	3 - 4	P	- 23908	8212	1.48	0.80	4.83	3363	3450	3363	100.0	16.7	2328	0.05	1.18	4.83	100	100	2151	4.6	0.0
Piano 2	3 - 4	P	- 33552	21825	1.48	0.61	4.83	6740	6881	6740	100.0	20.5	3407	0.06	1.16	4.83	149	149	3014	4.9	0.0
Piano 2	3 - 4	P	- 34543	26289	1.48	0.57	4.83	7530	7705	7530	100.0	21.3	3682	0.06	1.12	4.83	166	166	3137	5.3	0.0
Piano 2	3 - 4	P	- 17646	5043	1.48	0.85	4.83	2148	2195	2148	100.0	15.7	1947	0.06	1.08	4.83	93	93	1641	5.7	0.0
Piano 2	3 - 4	P	- 16582	4599	1.48	0.85	4.83	1978	2025	1978	100.0	15.8	1883	0.06	1.05	4.83	93	93	1554	6.0	0.0
Piano 2	3 - 4	P	- 31434	26647	1.48	0.53	4.83	7111	7169	7111	100.0	22.1	3703	0.06	1.04	4.83	181	181	2941	6.1	0.0
Piano 2	3 - 4	P	- 27495	22156	1.48	0.52	4.83	5909	5978	5909	100.0	22.1	3428	0.07	1.00	4.83	175	175	2621	6.7	0.0
Piano 2	3 - 4	P	- 20289	11862	1.48	0.58	4.83	3504	3603	3504	100.0	21.0	2675	0.07	0.95	4.83	143	143	1967	7.3	0.0
Piano 2	6 - 4	P	- 15047	8544	0.07	0.37	4.83	594	594	3169	18.7	0.0	2087	1.47	0.69	4.83	1449	1449	1449	100.0	18.8
Piano 2	5 - 4	P	-9699	2366	0.07	0.54	4.83	164	164	1270	12.9	0.0	1308	1.48	0.71	4.83	927	927	927	100.0	18.6
Piano 2	6 - 5	P	- 60532	15884 6	0.07	0.21	4.83	11036	11036	33989	32.5	0.0	8849	1.47	0.67	4.83	5923	5923	5923	100.0	19.2
Piano 2	9 - 5	C	- 44268	74493	1.93	0.32	2.41	11854	13347	11854	100.0	100.0	4380	0.06	1.09	2.41	193	193	3352	5.8	0.0
Piano 2	10 - 5	P	- 19055	14361	1.47	0.50	4.83	3578	3624	3578	100.0	22.5	2010	0.07	0.99	4.83	101	101	1529	6.6	0.0
Piano 2	10 - 5	C	- 32157	52381	1.93	0.36	2.41	9562	9772	9562	100.0	100.0	3613	0.07	1.01	2.41	178	178	2631	6.8	0.0



Piano 2	8 - 6	P	- 31409	32020	1.47	0.49	4.83	7894	7956	7894	100.0	22.6	4008	0.06	1.00	4.83	191	191	3036	6.3	0.0
Piano 2	7 - 6	P	- 10213	1888	1.47	0.95	4.83	939	1450	939	100.0	13.3	1375	0.07	0.90	4.83	72	72	993	7.2	0.0
Piano 2	7 - 6	P	-9763	1888	1.47	0.92	4.83	906	922	906	100.0	14.1	1375	0.07	0.87	4.83	74	74	958	7.7	0.0
Piano 2	7 - 6	P	- 15690	8212	1.47	0.59	4.83	2470	2497	2470	100.0	20.7	2328	0.07	0.87	4.83	125	125	1580	7.9	0.0
Piano 2	7 - 10	P	-4968	341	0.06	1.00	4.83	22	22	340	6.3	0.0	526	1.47	0.81	4.83	425	425	425	100.0	16.4
Piano 2	7 - 10	P	- 69440	15559 6	0.06	0.22	4.83	9835	9835	34852	28.2	0.0	7072	1.47	0.83	4.83	5883	5883	5883	100.0	16.0
Piano 2	8 - 9	P	- 94169	21608 3	0.06	0.21	4.83	13109	13109	45844	28.6	0.0	9109	1.47	0.86	4.83	7879	7879	7879	100.0	15.3
Piano 3	1 - 2	E	- 33051	18644 5	0.02	0.13	1.93	3855	3855	24454	15.8	0.0	9902	0.10	0.35	3.87	974	974	3472	28.0	0.0
Piano 3	1 - 3	E	-9830	24656	0.02	0.15	3.87	510	510	3705	13.8	0.0	2974	0.10	0.35	3.87	290	290	1034	28.0	0.0
Piano 3	1 - 8	E	-9835	18535	0.10	0.17	3.87	1833	1833	3102	59.1	0.0	2946	0.02	0.36	3.87	60	60	1066	5.7	0.0
Piano 3	1 - 8	E	-7385	9389	0.10	0.19	3.87	928	928	1780	52.2	0.0	2249	0.02	0.36	3.87	45	45	801	5.6	0.0
Piano 3	1 - 8	E	-7486	10140	0.10	0.18	3.87	1003	1003	1861	53.9	0.0	2316	0.02	0.35	3.87	45	45	813	5.6	0.0
Piano 3	1 - 7	E	- 16095	60344	0.10	0.15	3.87	5968	5968	8791	67.9	0.0	5082	0.02	0.34	3.87	96	96	1750	5.5	0.0
Piano 3	2 - 3	E	-5903	7185	0.02	0.19	3.87	149	149	1344	11.1	0.0	1796	0.10	0.35	3.87	174	174	621	28.0	0.0
Piano 3	2 - 9	E	- 23738	12986 6	0.10	0.14	1.93	12649	12649	17851	70.9	0.0	5820	0.02	0.38	3.87	118	118	2223	5.3	0.0
Piano 3	2 - 10	E	- 21497	11922 6	0.10	0.14	1.93	11613	11613	16552	70.2	0.0	5467	0.02	0.37	3.87	104	104	2020	5.2	0.0
Piano 3	3 - 4	E	-9394	17522	0.10	0.17	3.87	1694	1694	2900	58.4	0.0	2878	0.02	0.35	3.87	59	59	1019	5.8	0.0
Piano 3	3 - 4	E	- 14243	46541	0.10	0.15	3.87	4499	4499	6810	66.1	0.0	4453	0.02	0.35	3.87	89	89	1548	5.7	0.0
Piano 3	3 - 4	E	- 25377	13367 0	0.10	0.17	3.87	12922	12922	22290	58.0	0.0	8163	0.02	0.34	3.87	156	156	2763	5.6	0.0
Piano 3	3 - 4	E	- 24756	13584 9	0.10	0.16	3.87	13133	13133	22037	59.6	0.0	8253	0.02	0.33	3.87	149	149	2702	5.5	0.0
Piano 3	3 - 4	E	- 12954	46541	0.10	0.13	3.87	4499	4499	6233	72.2	0.0	4453	0.02	0.32	3.87	77	77	1417	5.4	0.0
Piano 3	3 - 4	E	-9612	25665	0.10	0.14	3.87	2481	2481	3519	70.5	0.0	3382	0.02	0.31	3.87	56	56	1053	5.3	0.0
Piano 3	6 - 4	E	- 44001	31192 9	0.02	0.12	1.93	5118	5118	35931	14.2	0.0	15348	0.10	0.31	3.87	1504	1504	4692	32.1	0.0
Piano 3	5 - 4	E	-5389	8399	0.02	0.16	3.87	138	138	1322	10.4	0.0	1907	0.10	0.30	3.87	185	185	575	32.1	0.0
Piano 3	10 - 5	E	- 35835	24512 1	0.10	0.12	1.93	23876	23876	28844	82.8	0.0	9757	0.02	0.35	3.87	168	168	3390	4.9	0.0
Piano 3	8 - 6	E	- 16276	64629	0.10	0.14	3.87	6391	6391	9236	69.2	0.0	5271	0.02	0.34	3.87	96	96	1773	5.4	0.0
Piano 3	7 - 6	E	-6796	9389	0.10	0.18	3.87	928	928	1648	56.4	0.0	2249	0.02	0.33	3.87	40	40	741	5.3	0.0
Piano 3	7 - 6	E	-6681	9389	0.10	0.17	3.87	928	928	1621	57.3	0.0	2249	0.02	0.32	3.87	38	38	730	5.3	0.0
Piano 3	7 - 6	E	-8852	19925	0.10	0.15	3.87	1970	1970	2904	67.9	0.0	3036	0.02	0.32	3.87	50	50	968	5.2	0.0
Piano 3	7 - 10	E	- 28804	17959 5	0.02	0.13	1.93	3265	3265	22508	14.5	0.0	7494	0.10	0.36	3.87	737	737	2713	27.1	0.0
Piano 3	7 - 10	E	-1809	394	0.02	0.39	3.87	7	7	155	4.6	0.0	475	0.10	0.36	3.87	46	46	171	27.1	0.0
Piano 3	8 - 9	E	- 29528	17959 5	0.02	0.13	1.93	3393	3393	22705	14.9	0.0	7494	0.10	0.37	3.87	737	737	2774	26.5	0.0
Piano 3	8 - 9	E	-1854	394	0.02	0.40	3.87	7	7	158	4.7	0.0	475	0.10	0.37	3.87	46	46	174	26.5	0.0
Piano 3	9 - 10	E	-5517	8834	0.10	0.16	3.87	860	860	1435	60.0	0.0	1444	0.02	0.36	3.87	26	26	520	5.1	0.0

Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 94489	53848 1	0.01	0.08	1.00	5267	5308	44381	11.9	0.0	13670 3	0.04	0.17	2.00	5059	5059	22565	22.4	0.0
Piano 1	1 - 3	E	- 57175	38413 5	0.01	0.08	1.00	3757	3786	30097	12.5	0.0	10050 8	0.04	0.14	2.00	3518	3518	14273	24.7	0.0
Piano 1	1 - 8	E	- 31887	11168 6	0.04	0.12	1.00	4251	4251	13835	30.7	0.0	42825	0.01	0.19	2.00	434	434	8080	5.4	0.0
Piano 1	1 - 8	E	- 30736	11168 6	0.04	0.12	1.00	4251	4251	13641	31.2	0.0	42825	0.01	0.18	2.00	470	470	7840	6.0	0.0
Piano 1	1 - 8	E	- 29584	11168 6	0.04	0.12	1.00	4251	4251	13444	31.6	0.0	42825	0.01	0.18	2.00	506	506	7596	6.7	0.0
Piano 1	1 - 7	E	- 46356	23759 5	0.04	0.13	1.00	9043	9043	30995	29.2	0.0	70355	0.01	0.17	2.00	901	901	11994	7.5	0.0
Piano 1	2 - 5	E	- 20741 4	17716 02	0.04	0.07	1.00	62832	62832	12130 2	51.8	0.0	32623 2	0.01	0.14	2.00	4410	4410	44550	9.9	0.0
Piano 1	3 - 4	E	- 22540	11858 3	0.03	0.11	1.00	4056	4056	12896	31.4	0.0	44354	0.01	0.14	2.00	450	450	6045	7.4	0.0
Piano 1	3 - 4	E	- 15907 2	15388 80	0.03	0.09	1.00	52631	52631	14254 8	36.9	0.0	37930 5	0.01	0.11	2.00	4896	4896	43544	11.2	0.0
Piano 1	3 - 4	E	- 23401	24454 8	0.03	0.10	1.00	8364	8364	24956	33.5	0.0	71884	0.02	0.09	2.00	1138	1138	6543	17.4	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	3 - 4	E	- 14249	138628	0.03	0.08	2.00	4741	4741	10664	44.5	0.0	48759	0.02	0.08	2.00	822	822	4014	20.5	0.0
Piano 1	6 - 4	E	- 87932	840681	0.02	0.07	1.00	14503	14503	55545	26.1	0.0	209017	0.04	0.11	2.00	7630	7630	23105	33.0	0.0
Piano 1	5 - 4	E	-8412	61299	0.02	0.07	2.00	1057	1057	4311	24.5	0.0	28193	0.03	0.08	2.00	973	973	2301	42.3	0.0
Piano 1	8 - 6	E	- 41911	228401	0.04	0.13	1.00	8693	8693	29315	29.7	0.0	68336	0.01	0.16	2.00	972	972	10964	8.9	0.0
Piano 1	7 - 6	E	- 24913	111686	0.04	0.11	1.00	4251	4251	12614	33.7	0.0	42825	0.02	0.15	2.00	651	651	6567	9.9	0.0
Piano 1	7 - 6	E	- 23761	111686	0.04	0.11	1.00	4251	4251	12401	34.3	0.0	42825	0.02	0.15	2.00	687	687	6303	10.9	0.0
Piano 1	7 - 6	E	- 23564	119967	0.04	0.11	1.00	4566	4566	13248	34.5	0.0	44660	0.02	0.14	2.00	754	754	6291	12.0	0.0
Piano 1	7 - 10	E	- 77037	574450	0.01	0.07	1.00	8133	8133	42038	19.3	0.0	107986	0.04	0.15	2.00	3969	3969	16216	24.5	0.0
Piano 1	8 - 9	E	- 82847	574450	0.01	0.08	1.00	7410	7410	43298	17.1	0.0	107986	0.04	0.16	2.00	3969	3969	17192	23.1	0.0
Piano 2	1 - 2	P	-7442	375	0.09	1.25	4.83	34	34	469	7.3	0.0	694	1.34	0.93	4.83	644	644	644	100.0	10.5
Piano 2	1 - 2	P	- 63375	91214	0.09	0.22	4.83	8291	8291	20450	40.5	0.0	6160	1.35	0.90	4.83	5557	5557	5557	100.0	11.3
Piano 2	1 - 3	P	- 20112	8358	0.09	0.46	4.83	760	760	3886	19.6	0.0	2070	1.36	0.87	4.83	1792	1792	1792	100.0	12.4
Piano 2	1 - 8	P	- 22604	6343	1.34	0.90	4.83	2859	2971	2859	100.0	11.1	2116	0.09	1.22	4.83	147	147	2016	7.3	0.0
Piano 2	1 - 8	P	- 14206	1888	1.34	1.23	4.83	1219	1321	1219	100.0	2.9	1375	0.08	1.17	4.83	91	91	1289	7.0	0.0
Piano 2	1 - 8	P	- 13752	1888	1.34	1.20	4.83	1189	1321	1189	100.0	3.7	1375	0.08	1.14	4.83	84	84	1258	6.7	0.0
Piano 2	1 - 7	P	- 40524	36218	1.34	0.54	4.83	9962	9974	9962	100.0	18.5	4232	0.07	1.15	4.83	219	219	3653	6.0	0.0
Piano 2	2 - 3	P	-9936	1313	0.09	0.76	4.83	119	119	999	12.0	0.0	1065	1.36	0.84	4.83	895	895	895	100.0	13.1
Piano 2	2 - 9	P	- 19136	8770	1.36	0.62	4.83	2795	2823	2795	100.0	17.4	1655	0.09	1.11	4.83	114	114	1426	8.0	0.0
Piano 2	2 - 9	C	- 44814	65867	1.93	0.35	2.41	11405	11728	11405	100.0	100.0	4086	0.08	1.13	2.41	229	229	3256	7.0	0.0
Piano 2	2 - 10	P	- 25903	24333	1.36	0.47	4.83	5751	5764	5751	100.0	20.4	2509	0.07	1.06	4.83	132	132	1997	6.6	0.0
Piano 2	3 - 4	P	- 21256	8212	1.36	0.74	4.83	3080	3154	3080	100.0	15.3	2328	0.09	1.08	4.83	162	162	1970	8.2	0.0
Piano 2	3 - 4	P	- 29656	21825	1.36	0.56	4.83	6181	6204	6181	100.0	18.8	3407	0.08	1.06	4.83	211	211	2764	7.6	0.0
Piano 2	3 - 4	P	- 30317	26289	1.36	0.52	4.83	6888	7055	6888	100.0	19.6	3682	0.07	1.03	4.83	203	203	2870	7.1	0.0
Piano 2	3 - 4	P	- 15406	5043	1.36	0.76	4.83	1935	2015	1935	100.0	14.7	1947	0.07	0.97	4.83	102	102	1478	6.9	0.0
Piano 2	3 - 4	P	- 14410	4599	1.36	0.76	4.83	1774	1859	1774	100.0	14.8	1883	0.06	0.94	4.83	92	92	1394	6.6	0.0
Piano 2	3 - 4	P	- 27154	26647	1.36	0.48	4.83	6473	6516	6473	100.0	20.4	3703	0.06	0.95	4.83	158	158	2677	5.9	0.0
Piano 2	3 - 4	P	- 23518	22156	1.36	0.47	4.83	5352	5433	5352	100.0	20.4	3428	0.05	0.90	4.83	125	125	2374	5.3	0.0
Piano 2	3 - 4	P	- 17176	11862	1.36	0.52	4.83	3136	3190	3136	100.0	19.5	2675	0.04	0.85	4.83	83	83	1760	4.7	0.0
Piano 2	6 - 4	P	- 14125	8544	0.04	0.35	4.83	321	329	3028	10.6	0.0	2087	1.36	0.66	4.83	1384	1384	1384	100.0	16.6
Piano 2	5 - 4	P	-8357	2366	0.04	0.48	4.83	89	91	1141	7.8	0.0	1308	1.36	0.64	4.83	833	833	833	100.0	17.3
Piano 2	6 - 5	P	- 65908	158846	0.04	0.22	4.83	5963	6161	35036	17.0	0.0	8849	1.34	0.71	4.83	6293	6293	6293	100.0	15.4
Piano 2	9 - 5	C	- 42307	74493	1.93	0.31	2.41	11718	13373	11718	100.0	100.0	4380	0.06	1.08	2.41	184	184	3295	5.6	0.0
Piano 2	10 - 5	P	- 18143	14361	1.36	0.48	4.83	3482	3527	3482	100.0	20.1	2010	0.05	0.97	4.83	78	78	1488	5.2	0.0
Piano 2	10 - 5	C	- 30499	52381	1.93	0.36	2.41	9426	9635	9426	100.0	100.0	3613	0.04	0.99	2.41	108	108	2570	4.2	0.0
Piano 2	8 - 6	P	- 36312	32020	1.34	0.53	4.83	8675	8850	8675	100.0	18.7	4008	0.06	1.10	4.83	180	180	3336	5.4	0.0
Piano 2	7 - 6	P	- 11890	1888	1.34	1.07	4.83	1062	1321	1062	100.0	7.0	1375	0.05	1.02	4.83	57	57	1124	5.1	0.0
Piano 2	7 - 6	P	- 11436	1888	1.34	1.04	4.83	1030	1321	1030	100.0	7.8	1375	0.05	0.99	4.83	51	51	1089	4.7	0.0
Piano 2	7 - 6	P	- 18514	8212	1.34	0.66	4.83	2779	2807	2779	100.0	16.1	2328	0.04	0.98	4.83	72	72	1777	4.1	0.0
Piano 2	7 - 10	P	-5676	341	0.06	1.10	4.83	20	20	376	5.4	0.0	526	1.34	0.89	4.83	470	470	470	100.0	11.3
Piano 2	7 - 10	P	- 71618	155596	0.06	0.23	4.83	9281	9281	35292	26.3	0.0	7072	1.35	0.85	4.83	6022	6022	6022	100.0	12.5
Piano 2	8 - 9	P	- 98837	216083	0.07	0.22	4.83	14827	14827	46773	31.7	0.0	9109	1.35	0.90	4.83	8169	8169	8169	100.0	11.4
Piano 3	1 - 2	E	- 33878	186445	0.02	0.13	1.93	3727	3727	24673	15.1	0.0	9902	0.10	0.36	3.87	948	948	3549	26.7	0.0
Piano 3	1 - 3	E	-9635	24656	0.02	0.15	3.87	493	493	3640	13.5	0.0	2974	0.10	0.34	3.87	287	287	1015	28.3	0.0
Piano 3	1 - 8	E	- 10343	18535	0.10	0.18	3.87	1765	1765	3250	54.3	0.0	2946	0.02	0.38	3.87	58	58	1116	5.2	0.0
Piano 3	1 - 8	E	-7774	9389	0.10	0.20	3.87	894	894	1867	47.9	0.0	2249	0.02	0.37	3.87	44	44	840	5.2	0.0
Piano 3	1 - 8	E	-7889	10140	0.10	0.19	3.87	966	966	1953	49.4	0.0	2316	0.02	0.37	3.87	44	44	853	5.2	0.0
Piano 3	1 - 7	E	- 16984	60344	0.10	0.15	3.87	5748	5748	9241	62.2	0.0	5082	0.02	0.36	3.87	95	95	1840	5.1	0.0
Piano 3	2 - 3	E	-5638	7185	0.02	0.18	3.87	144	144	1290	11.1	0.0	1796	0.10	0.33	3.87	174	174	596	29.2	0.0
Piano 3	2 - 9	E	- 23331	129866	0.10	0.14	1.93	12522	12522	17741	70.6	0.0	5820	0.02	0.38	3.87	114	114	2188	5.2	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	2 - 10	E	- 21126	11922 6	0.10	0.14	1.93	11496	11496	16451	69.9	0.0	5467	0.02	0.36	3.87	103	103	1989	5.2	0.0
Piano 3	3 - 4	E	-8908	17522	0.10	0.16	3.87	1700	1700	2760	61.6	0.0	2878	0.02	0.34	3.87	57	57	970	5.9	0.0
Piano 3	3 - 4	E	- 13494	46541	0.10	0.14	3.87	4515	4515	6476	69.7	0.0	4453	0.02	0.33	3.87	86	86	1472	5.9	0.0
Piano 3	3 - 4	E	- 24016	13367 0	0.10	0.16	3.87	12967	12967	21172	61.2	0.0	8163	0.02	0.32	3.87	153	153	2625	5.8	0.0
Piano 3	3 - 4	E	- 23394	13584 9	0.10	0.15	3.87	13178	13178	20899	63.1	0.0	8253	0.02	0.31	3.87	148	148	2563	5.8	0.0
Piano 3	3 - 4	E	- 12225	46541	0.10	0.13	3.87	4515	4515	5903	76.5	0.0	4453	0.02	0.30	3.87	77	77	1342	5.7	0.0
Piano 3	3 - 4	E	-9062	25665	0.10	0.13	3.87	2490	2490	3329	74.8	0.0	3382	0.02	0.29	3.87	57	57	996	5.7	0.0
Piano 3	6 - 4	E	- 44697	31192 9	0.02	0.12	1.93	5182	5182	36126	14.3	0.0	15348	0.10	0.31	3.87	1472	1472	4759	30.9	0.0
Piano 3	5 - 4	E	-5122	8399	0.02	0.15	3.87	140	140	1262	11.1	0.0	1907	0.10	0.29	3.87	185	185	549	33.6	0.0
Piano 3	10 - 5	E	- 35211	24512 1	0.10	0.12	1.93	23636	23636	28671	82.4	0.0	9757	0.02	0.34	3.87	168	168	3336	5.0	0.0
Piano 3	8 - 6	E	- 17204	64629	0.10	0.15	3.87	6156	6156	9725	63.3	0.0	5271	0.02	0.35	3.87	95	95	1867	5.1	0.0
Piano 3	7 - 6	E	-7194	9389	0.10	0.19	3.87	894	894	1737	51.5	0.0	2249	0.02	0.35	3.87	39	39	782	5.0	0.0
Piano 3	7 - 6	E	-7080	9389	0.10	0.18	3.87	894	894	1712	52.2	0.0	2249	0.02	0.34	3.87	39	39	770	5.0	0.0
Piano 3	7 - 6	E	-9394	19925	0.10	0.15	3.87	1898	1898	3070	61.8	0.0	3036	0.02	0.34	3.87	51	51	1023	5.0	0.0
Piano 3	7 - 10	E	- 29574	17959 5	0.02	0.13	1.93	3235	3235	22718	14.2	0.0	7494	0.10	0.37	3.87	717	717	2778	25.8	0.0
Piano 3	7 - 10	E	-1784	394	0.02	0.39	3.87	7	7	153	4.6	0.0	475	0.10	0.35	3.87	46	46	168	27.2	0.0
Piano 3	8 - 9	E	- 30287	17959 5	0.02	0.13	1.93	3337	3337	22911	14.6	0.0	7494	0.10	0.38	3.87	717	717	2838	25.3	0.0
Piano 3	8 - 9	E	-1829	394	0.02	0.40	3.87	7	7	156	4.7	0.0	475	0.10	0.36	3.87	46	46	172	26.6	0.0
Piano 3	9 - 10	E	-5422	8834	0.10	0.16	3.87	852	852	1413	60.3	0.0	1444	0.02	0.35	3.87	26	26	512	5.1	0.0

**Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 86160	53848 1	0.02	0.08	1.00	9520	9521	42700	22.3	0.0	13670 3	0.04	0.15	2.00	5369	5369	21040	25.5	0.0
Piano 1	1 - 3	E	- 62371	38413 5	0.02	0.08	1.00	6792	6792	31193	21.8	0.0	10050 8	0.04	0.15	2.00	3726	3726	15285	24.4	0.0
Piano 1	1 - 8	E	- 26741	11168 6	0.04	0.12	1.00	4517	4517	12945	34.9	0.0	42825	0.02	0.16	2.00	741	741	6977	10.6	0.0
Piano 1	1 - 8	E	- 25612	11168 6	0.04	0.11	1.00	4517	4517	12742	35.5	0.0	42825	0.02	0.16	2.00	701	701	6725	10.4	0.0
Piano 1	1 - 8	E	- 24483	11168 6	0.04	0.11	1.00	4517	4517	12535	36.0	0.0	42825	0.02	0.15	2.00	661	661	6469	10.2	0.0
Piano 1	1 - 7	E	- 38020	23759 5	0.04	0.12	1.00	9610	9610	28832	33.3	0.0	70355	0.01	0.14	2.00	1009	1009	10120	10.0	0.0
Piano 1	2 - 5	E	- 21963 2	17716 02	0.04	0.07	1.00	66571	66571	12408 4	53.6	0.0	32623 2	0.01	0.14	2.00	4421	4421	46721	9.5	0.0
Piano 1	3 - 4	E	- 26852	11858 3	0.04	0.12	1.00	4290	4290	13729	31.2	0.0	44354	0.02	0.16	2.00	767	767	7038	10.9	0.0
Piano 1	3 - 4	E	- 19661 4	15388 80	0.04	0.10	1.00	55674	55674	15317 4	36.3	0.0	37930 5	0.01	0.14	2.00	5396	5396	52606	10.3	0.0
Piano 1	3 - 4	E	- 30649	24454 8	0.04	0.11	1.00	8847	8847	27162	32.6	0.0	71884	0.01	0.12	2.00	790	790	8377	9.4	0.0
Piano 1	3 - 4	E	- 19197	13862 8	0.04	0.10	2.00	5015	5015	14043	35.7	0.0	48759	0.01	0.11	2.00	480	480	5286	9.1	0.0
Piano 1	6 - 4	E	- 82112	84068 1	0.01	0.06	1.00	7923	8010	54119	14.6	0.0	20901 7	0.04	0.10	2.00	8093	8093	21778	37.2	0.0
Piano 1	5 - 4	E	- 10802	61299	0.01	0.08	1.00	578	584	4821	12.0	0.0	28193	0.04	0.10	2.00	1029	1029	2874	35.8	0.0
Piano 1	8 - 6	E	- 33876	22840 1	0.04	0.12	1.00	9238	9238	27170	34.0	0.0	68336	0.01	0.13	2.00	873	873	9112	9.6	0.0
Piano 1	7 - 6	E	- 19904	11168 6	0.04	0.10	1.00	4517	4517	11659	38.7	0.0	42825	0.01	0.13	2.00	500	500	5392	9.3	0.0
Piano 1	7 - 6	E	- 18775	11168 6	0.04	0.10	1.00	4517	4517	11432	39.5	0.0	42825	0.01	0.12	2.00	461	461	5117	9.0	0.0
Piano 1	7 - 6	E	- 18388	11996 7	0.04	0.10	1.00	4852	4852	12179	39.8	0.0	44660	0.01	0.11	2.00	439	439	5043	8.7	0.0
Piano 1	7 - 10	E	- 70698	57445 0	0.01	0.07	1.00	7378	7378	40620	18.2	0.0	10798 6	0.04	0.14	2.00	4212	4212	15111	27.9	0.0
Piano 1	8 - 9	E	- 76393	57445 0	0.01	0.07	1.00	8177	8177	41896	19.5	0.0	10798 6	0.04	0.15	2.00	4212	4212	16106	26.1	0.0
Piano 2	1 - 2	P	-6653	375	0.06	1.15	4.83	23	23	433	5.2	0.0	694	1.79	0.86	4.83	595	595	595	100.0	23.5
Piano 2	1 - 2	P	- 60491	91214	0.06	0.22	4.83	5486	5558	20051	27.4	0.0	6160	1.79	0.87	4.83	5377	5377	5377	100.0	23.3
Piano 2	1 - 3	P	- 20969	8358	0.06	0.48	4.83	503	509	4006	12.5	0.0	2070	1.79	0.89	4.83	1847	1847	1847	100.0	22.9
Piano 2	1 - 8	P	- 19985	6343	1.79	0.82	4.83	2608	2615	2608	100.0	24.2	2116	0.06	1.11	4.83	100	100	1839	5.4	0.0
Piano 2	1 - 8	P	- 12508	1888	1.79	1.12	4.83	1106	1771	1106	100.0	18.2	1375	0.06	1.06	4.83	67	67	1169	5.7	0.0
Piano 2	1 - 8	P	- 12058	1888	1.79	1.09	4.83	1074	1771	1074	100.0	18.8	1375	0.06	1.03	4.83	67	67	1136	5.9	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	1 - 7	P	- 35327	36218	1.79	0.50	4.83	9100	9219	9100	100.0	29.9	4232	0.06	1.05	4.83	197	197	3337	5.9	0.0
Piano 2	2 - 3	P	- 11016	1313	0.06	0.82	4.83	79	80	1077	7.3	0.0	1065	1.79	0.91	4.83	964	964	964	100.0	22.7
Piano 2	2 - 9	P	- 19849	8770	1.79	0.64	4.83	2855	2900	2855	100.0	27.6	1655	0.06	1.13	4.83	78	78	1457	5.3	0.0
Piano 2	2 - 9	C	- 46596	65867	1.93	0.35	2.41	11538	11695	11538	100.0	100.0	4086	0.06	1.15	2.41	176	176	3307	5.3	0.0
Piano 2	2 - 10	P	- 27012	24333	1.79	0.48	4.83	5880	5935	5880	100.0	30.3	2509	0.06	1.08	4.83	117	117	2042	5.7	0.0
Piano 2	3 - 4	P	- 23909	8212	1.79	0.80	4.83	3363	3441	3363	100.0	24.6	2328	0.06	1.18	4.83	110	110	2151	5.1	0.0
Piano 2	3 - 4	P	- 33552	21825	1.79	0.61	4.83	6740	6858	6740	100.0	28.1	3407	0.06	1.16	4.83	159	159	3014	5.3	0.0
Piano 2	3 - 4	P	- 34543	26289	1.79	0.57	4.83	7530	7679	7530	100.0	28.8	3682	0.06	1.12	4.83	172	172	3137	5.5	0.0
Piano 2	3 - 4	P	- 17646	5043	1.79	0.85	4.83	2148	2199	2148	100.0	23.8	1947	0.06	1.08	4.83	95	95	1641	5.8	0.0
Piano 2	3 - 4	P	- 16582	4599	1.79	0.85	4.83	1978	2029	1978	100.0	23.8	1883	0.06	1.05	4.83	93	93	1554	6.0	0.0
Piano 2	3 - 4	P	- 31434	26647	1.79	0.53	4.83	7111	7143	7111	100.0	29.5	3703	0.06	1.04	4.83	177	177	2941	6.0	0.0
Piano 2	3 - 4	P	- 27494	22156	1.79	0.52	4.83	5909	5956	5909	100.0	29.5	3428	0.06	1.00	4.83	167	167	2621	6.4	0.0
Piano 2	3 - 4	P	- 20289	11862	1.79	0.58	4.83	3504	3591	3504	100.0	28.5	2675	0.06	0.95	4.83	134	134	1967	6.8	0.0
Piano 2	6 - 4	P	- 15046	8544	0.06	0.37	4.83	552	552	3169	17.4	0.0	2087	1.79	0.69	4.83	1449	1449	1449	100.0	26.6
Piano 2	5 - 4	P	- 9699	2366	0.06	0.54	4.83	153	153	1270	12.0	0.0	1308	1.79	0.71	4.83	927	927	927	100.0	26.4
Piano 2	6 - 5	P	- 60531	15884	0.06	0.21	4.83	10263	10263	33989	30.2	0.0	8849	1.79	0.67	4.83	5923	5923	5923	100.0	27.0
Piano 2	9 - 5	C	- 44268	74493	1.93	0.32	2.41	11854	13336	11854	100.0	100.0	4380	0.06	1.09	2.41	192	192	3352	5.7	0.0
Piano 2	10 - 5	P	- 19055	14361	1.79	0.50	4.83	3578	3621	3578	100.0	30.0	2010	0.06	0.99	4.83	98	98	1529	6.4	0.0
Piano 2	10 - 5	C	- 32156	52381	1.93	0.36	2.41	9562	9764	9562	100.0	100.0	3613	0.06	1.01	2.41	167	167	2631	6.4	0.0
Piano 2	8 - 6	P	- 31409	32020	1.79	0.49	4.83	7894	8000	7894	100.0	30.1	4008	0.06	1.00	4.83	190	190	3036	6.3	0.0
Piano 2	7 - 6	P	- 10213	1888	1.79	0.95	4.83	940	978	940	100.0	21.7	1375	0.06	0.90	4.83	70	70	994	7.0	0.0
Piano 2	7 - 6	P	- 9763	1888	1.79	0.92	4.83	906	978	906	100.0	22.4	1375	0.06	0.87	4.83	70	70	958	7.3	0.0
Piano 2	7 - 6	P	- 15690	8212	1.79	0.59	4.83	2470	2509	2470	100.0	28.3	2328	0.06	0.87	4.83	117	117	1580	7.4	0.0
Piano 2	7 - 10	P	- 4968	341	0.06	1.00	4.83	21	21	340	6.3	0.0	526	1.79	0.81	4.83	425	425	425	100.0	24.5
Piano 2	7 - 10	P	- 69440	15559	0.06	0.22	4.83	9765	9765	34852	28.0	0.0	7072	1.79	0.83	4.83	5883	5883	5883	100.0	24.0
Piano 2	8 - 9	P	- 94169	21608	0.06	0.21	4.83	13399	13399	45844	29.2	0.0	9109	1.79	0.86	4.83	7879	7879	7879	100.0	23.4
Piano 3	1 - 2	E	- 33051	18644	0.02	0.13	1.93	4125	4125	24454	16.9	0.0	9902	0.10	0.35	3.87	979	979	3472	28.2	0.0
Piano 3	1 - 3	E	- 9830	24656	0.02	0.15	3.87	546	546	3705	14.7	0.0	2974	0.10	0.35	3.87	289	289	1034	28.0	0.0
Piano 3	1 - 8	E	- 9835	18535	0.10	0.17	3.87	1849	1849	3102	59.6	0.0	2946	0.02	0.36	3.87	64	64	1066	6.0	0.0
Piano 3	1 - 8	E	- 7385	9389	0.10	0.19	3.87	937	937	1780	52.6	0.0	2249	0.02	0.36	3.87	47	47	801	5.9	0.0
Piano 3	1 - 8	E	- 7486	10140	0.10	0.18	3.87	1012	1012	1861	54.4	0.0	2316	0.02	0.35	3.87	47	47	813	5.8	0.0
Piano 3	1 - 7	E	- 16095	60344	0.10	0.15	3.87	6021	6021	8791	68.5	0.0	5082	0.02	0.34	3.87	98	98	1750	5.6	0.0
Piano 3	2 - 3	E	- 5903	7185	0.02	0.19	3.87	159	159	1344	11.8	0.0	1796	0.10	0.35	3.87	173	173	621	27.9	0.0
Piano 3	2 - 9	E	- 23738	12986	0.10	0.14	1.93	12645	12645	17851	70.8	0.0	5820	0.02	0.38	3.87	124	124	2223	5.6	0.0
Piano 3	2 - 10	E	- 21497	11922	0.10	0.14	1.93	11609	11609	16552	70.1	0.0	5467	0.02	0.37	3.87	107	107	2020	5.3	0.0
Piano 3	3 - 4	E	- 9394	17522	0.10	0.17	3.87	1685	1685	2900	58.1	0.0	2878	0.02	0.35	3.87	63	63	1019	6.2	0.0
Piano 3	3 - 4	E	- 14243	46541	0.10	0.15	3.87	4477	4477	6810	65.7	0.0	4453	0.02	0.35	3.87	93	93	1548	6.0	0.0
Piano 3	3 - 4	E	- 25377	13367	0.10	0.17	3.87	12858	12858	22290	57.7	0.0	8163	0.02	0.34	3.87	159	159	2763	5.8	0.0
Piano 3	3 - 4	E	- 24756	13584	0.10	0.16	3.87	13067	13067	22037	59.3	0.0	8253	0.02	0.33	3.87	148	148	2702	5.5	0.0
Piano 3	3 - 4	E	- 12954	46541	0.10	0.13	3.87	4477	4477	6233	71.8	0.0	4453	0.02	0.32	3.87	74	74	1417	5.2	0.0
Piano 3	3 - 4	E	- 9612	25665	0.10	0.14	3.87	2469	2469	3519	70.2	0.0	3382	0.02	0.31	3.87	53	53	1053	5.0	0.0
Piano 3	6 - 4	E	- 44001	31192	0.02	0.12	1.93	4754	4754	35931	13.2	0.0	15348	0.10	0.31	3.87	1510	1510	4692	32.2	0.0
Piano 3	5 - 4	E	- 5389	8399	0.02	0.16	3.87	128	128	1322	9.7	0.0	1907	0.10	0.30	3.87	184	184	575	32.0	0.0
Piano 3	10 - 5	E	- 35835	24512	0.10	0.12	1.93	23868	23868	28844	82.7	0.0	9757	0.02	0.35	3.87	161	161	3390	4.8	0.0
Piano 3	8 - 6	E	- 16276	64629	0.10	0.14	3.87	6448	6448	9236	69.8	0.0	5271	0.02	0.34	3.87	95	95	1773	5.4	0.0
Piano 3	7 - 6	E	- 6796	9389	0.10	0.18	3.87	937	937	1648	56.9	0.0	2249	0.02	0.33	3.87	38	38	741	5.2	0.0
Piano 3	7 - 6	E	- 6681	9389	0.10	0.17	3.87	937	937	1621	57.8	0.0	2249	0.02	0.32	3.87	37	37	730	5.0	0.0
Piano 3	7 - 6	E	- 8852	19925	0.10	0.15	3.87	1988	1988	2904	68.5	0.0	3036	0.02	0.32	3.87	47	47	968	4.9	0.0
Piano 3	7 - 10	E	- 28804	17959	0.02	0.13	1.93	3250	3250	22508	14.4	0.0	7494	0.10	0.36	3.87	740	740	2713	27.3	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	7 - 10	E	-1809	394	0.02	0.39	3.87	7	7	155	4.6	0.0	475	0.10	0.36	3.87	46	46	171	27.1	0.0
Piano 3	8 - 9	E	-29528	179595	0.02	0.13	1.93	3457	3457	22705	15.2	0.0	7494	0.10	0.37	3.87	740	740	2774	26.7	0.0
Piano 3	8 - 9	E	-1854	394	0.02	0.40	3.87	8	8	158	4.8	0.0	475	0.10	0.37	3.87	46	46	174	26.5	0.0
Piano 3	9 - 10	E	-5517	8834	0.10	0.16	3.87	860	860	1435	59.9	0.0	1444	0.02	0.36	3.87	26	26	520	5.1	0.0

**Cond\_X\_1(-); E(-); S2(-) : 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>
Piano 1	1 - 2	E	-94489	538481	0.01	0.08	1.00	4700	4750	44381	10.6	0.0	136703	0.04	0.17	2.00	5119	5119	22565	22.7	0.0
Piano 1	1 - 3	E	-57175	384135	0.01	0.08	1.00	3353	3388	30097	11.1	0.0	100508	0.03	0.14	2.00	3504	3504	14273	24.5	0.0
Piano 1	1 - 8	E	-31887	111686	0.04	0.12	1.00	4334	4334	13835	31.3	0.0	42825	0.01	0.19	2.00	393	393	8080	4.9	0.0
Piano 1	1 - 8	E	-30736	111686	0.04	0.12	1.00	4334	4334	13641	31.8	0.0	42825	0.01	0.18	2.00	439	439	7840	5.6	0.0
Piano 1	1 - 8	E	-29584	111686	0.04	0.12	1.00	4334	4334	13444	32.2	0.0	42825	0.01	0.18	2.00	486	486	7596	6.4	0.0
Piano 1	1 - 7	E	-46356	237595	0.04	0.13	1.00	9221	9221	30995	29.7	0.0	70355	0.01	0.17	2.00	888	888	11994	7.4	0.0
Piano 1	2 - 5	E	-207414	1771602	0.04	0.07	1.00	62815	62815	121302	51.8	0.0	326232	0.01	0.14	2.00	4421	4421	44550	9.9	0.0
Piano 1	3 - 4	E	-22540	118583	0.03	0.11	1.00	4011	4011	12896	31.1	0.0	44354	0.01	0.14	2.00	408	408	6045	6.7	0.0
Piano 1	3 - 4	E	-159072	1538880	0.03	0.09	1.00	52049	52049	142548	36.5	0.0	379305	0.01	0.11	2.00	4841	4841	43544	11.1	0.0
Piano 1	3 - 4	E	-23401	244548	0.03	0.10	1.00	8271	8271	24956	33.1	0.0	71884	0.02	0.09	2.00	1189	1189	6543	18.2	0.0
Piano 1	3 - 4	E	-14249	138628	0.03	0.08	2.00	4689	4689	10664	44.0	0.0	48759	0.02	0.08	2.00	872	872	4014	21.7	0.0
Piano 1	6 - 4	E	-87932	840681	0.02	0.07	1.00	15447	15447	55545	27.8	0.0	209017	0.04	0.11	2.00	7691	7691	23105	33.3	0.0
Piano 1	5 - 4	E	-8412	61299	0.02	0.07	2.00	1126	1126	4311	26.1	0.0	28193	0.03	0.08	2.00	965	965	2301	41.9	0.0
Piano 1	8 - 6	E	-41911	228401	0.04	0.13	1.00	8864	8864	29315	30.2	0.0	68336	0.01	0.16	2.00	988	988	10964	9.0	0.0
Piano 1	7 - 6	E	-24913	111686	0.04	0.11	1.00	4334	4334	12614	34.4	0.0	42825	0.02	0.15	2.00	674	674	6567	10.3	0.0
Piano 1	7 - 6	E	-23761	111686	0.04	0.11	1.00	4334	4334	12401	35.0	0.0	42825	0.02	0.15	2.00	720	720	6303	11.4	0.0
Piano 1	7 - 6	E	-23564	119967	0.04	0.11	1.00	4656	4656	13248	35.1	0.0	44660	0.02	0.14	2.00	800	800	6291	12.7	0.0
Piano 1	7 - 10	E	-77037	574450	0.01	0.07	1.00	8260	8260	42038	19.6	0.0	107986	0.04	0.15	2.00	4009	4009	16216	24.7	0.0
Piano 1	8 - 9	E	-82847	574450	0.01	0.08	1.00	7327	7327	43298	16.9	0.0	107986	0.04	0.16	2.00	4009	4009	17192	23.3	0.0
Piano 2	1 - 2	P	-7442	375	0.09	1.25	4.83	32	32	469	6.8	0.0	694	1.34	0.93	4.83	644	644	644	100.0	10.6
Piano 2	1 - 2	P	-63375	91214	0.09	0.22	4.83	7791	7791	20450	38.1	0.0	6160	1.35	0.90	4.83	5557	5557	5557	100.0	11.3
Piano 2	1 - 3	P	-20112	8358	0.09	0.46	4.83	714	714	3886	18.4	0.0	2070	1.36	0.87	4.83	1792	1792	1792	100.0	12.3
Piano 2	1 - 8	P	-22604	6343	1.34	0.90	4.83	2859	2980	2859	100.0	11.2	2116	0.08	1.22	4.83	138	138	2016	6.9	0.0
Piano 2	1 - 8	P	-14206	1888	1.34	1.23	4.83	1219	1324	1219	100.0	3.0	1375	0.08	1.17	4.83	87	87	1289	6.7	0.0
Piano 2	1 - 8	P	-13752	1888	1.34	1.20	4.83	1189	1324	1189	100.0	3.8	1375	0.07	1.14	4.83	81	81	1258	6.5	0.0
Piano 2	1 - 7	P	-40524	36218	1.34	0.54	4.83	9962	10024	9962	100.0	18.6	4232	0.07	1.15	4.83	215	215	3653	5.9	0.0
Piano 2	2 - 3	P	-9936	1313	0.09	0.76	4.83	112	112	999	11.2	0.0	1065	1.36	0.84	4.83	895	895	895	100.0	13.1
Piano 2	2 - 9	P	-19136	8770	1.35	0.62	4.83	2795	2821	2795	100.0	17.4	1655	0.08	1.11	4.83	108	108	1426	7.5	0.0
Piano 2	2 - 9	C	-44814	65867	1.93	0.35	2.41	11405	11719	11405	100.0	100.0	4086	0.08	1.13	2.41	220	220	3256	6.7	0.0
Piano 2	2 - 10	P	-25903	24333	1.35	0.47	4.83	5751	5760	5751	100.0	20.4	2509	0.07	1.06	4.83	130	130	1997	6.5	0.0
Piano 2	3 - 4	P	-21256	8212	1.36	0.74	4.83	3080	3145	3080	100.0	15.3	2328	0.08	1.08	4.83	152	152	1970	7.7	0.0
Piano 2	3 - 4	P	-29656	21825	1.36	0.56	4.83	6181	6182	6181	100.0	18.8	3407	0.08	1.06	4.83	202	202	2764	7.3	0.0
Piano 2	3 - 4	P	-30317	26289	1.36	0.52	4.83	6888	7029	6888	100.0	19.6	3682	0.07	1.03	4.83	197	197	2870	6.9	0.0
Piano 2	3 - 4	P	-15406	5043	1.36	0.76	4.83	1935	2009	1935	100.0	14.7	1947	0.07	0.97	4.83	100	100	1478	6.8	0.0
Piano 2	3 - 4	P	-14410	4599	1.36	0.76	4.83	1774	1854	1774	100.0	14.8	1883	0.06	0.94	4.83	92	92	1394	6.6	0.0
Piano 2	3 - 4	P	-27154	26647	1.36	0.48	4.83	6473	6491	6473	100.0	20.3	3703	0.06	0.95	4.83	161	161	2677	6.0	0.0
Piano 2	3 - 4	P	-23518	22156	1.36	0.47	4.83	5352	5412	5352	100.0	20.4	3428	0.05	0.90	4.83	132	132	2374	5.6	0.0
Piano 2	3 - 4	P	-17176	11862	1.36	0.52	4.83	3136	3179	3136	100.0	19.5	2675	0.04	0.85	4.83	91	91	1760	5.2	0.0
Piano 2	6 - 4	P	-14125	8544	0.04	0.35	4.83	360	366	3028	11.9	0.0	2087	1.36	0.66	4.83	1384	1384	1384	100.0	16.6
Piano 2	5 - 4	P	-8357	2366	0.04	0.48	4.83	100	101	1141	8.7	0.0	1308	1.36	0.64	4.83	833	833	833	100.0	17.3



## Relazione di calcolo - Comune di Terni

Piano 2	6 - 5	P	- 65908	15884 6	0.04	0.22	4.83	6696	6866	35036	19.1	0.0	8849	1.35	0.71	4.83	6293	6293	6293	100.0	15.4
Piano 2	9 - 5	C	- 42307	74493	1.93	0.31	2.41	11718	13363	11718	100.0	100.0	4380	0.06	1.08	2.41	185	185	3295	5.6	0.0
Piano 2	10 - 5	P	- 18143	14361	1.35	0.48	4.83	3482	3524	3482	100.0	20.1	2010	0.05	0.97	4.83	81	81	1488	5.4	0.0
Piano 2	10 - 5	C	- 30499	52381	1.93	0.36	2.41	9426	9627	9426	100.0	100.0	3613	0.05	0.99	2.41	118	118	2570	4.6	0.0
Piano 2	8 - 6	P	- 36312	32020	1.34	0.53	4.83	8675	8894	8675	100.0	18.8	4008	0.06	1.10	4.83	182	182	3336	5.4	0.0
Piano 2	7 - 6	P	- 11890	1888	1.34	1.07	4.83	1062	1324	1062	100.0	7.0	1375	0.05	1.02	4.83	59	59	1124	5.3	0.0
Piano 2	7 - 6	P	- 11436	1888	1.34	1.04	4.83	1030	1324	1030	100.0	7.9	1375	0.05	0.99	4.83	54	54	1089	5.0	0.0
Piano 2	7 - 6	P	- 18514	8212	1.34	0.66	4.83	2779	2818	2779	100.0	16.2	2328	0.04	0.98	4.83	80	80	1777	4.5	0.0
Piano 2	7 - 10	P	-5676	341	0.06	1.10	4.83	20	20	376	5.5	0.0	526	1.34	0.89	4.83	470	470	470	100.0	11.3
Piano 2	7 - 10	P	- 71618	15559 6	0.06	0.23	4.83	9347	9347	35292	26.5	0.0	7072	1.35	0.85	4.83	6022	6022	6022	100.0	12.5
Piano 2	8 - 9	P	- 98837	21608 3	0.07	0.22	4.83	14552	14552	46773	31.1	0.0	9109	1.35	0.90	4.83	8169	8169	8169	100.0	11.4
Piano 3	1 - 2	E	- 33878	18644 5	0.02	0.13	1.93	3460	3460	24673	14.0	0.0	9902	0.10	0.36	3.87	953	953	3549	26.8	0.0
Piano 3	1 - 3	E	-9635	24656	0.02	0.15	3.87	458	458	3639	12.6	0.0	2974	0.10	0.34	3.87	287	287	1015	28.2	0.0
Piano 3	1 - 8	E	- 10343	18535	0.10	0.18	3.87	1782	1782	3250	54.8	0.0	2946	0.02	0.38	3.87	55	55	1116	4.9	0.0
Piano 3	1 - 8	E	-7774	9389	0.10	0.20	3.87	902	902	1867	48.3	0.0	2249	0.02	0.37	3.87	41	41	840	4.9	0.0
Piano 3	1 - 8	E	-7889	10140	0.10	0.19	3.87	975	975	1953	49.9	0.0	2316	0.02	0.37	3.87	42	42	853	5.0	0.0
Piano 3	1 - 7	E	- 16984	60344	0.10	0.15	3.87	5800	5800	9241	62.8	0.0	5082	0.02	0.36	3.87	93	93	1840	5.0	0.0
Piano 3	2 - 3	E	-5638	7185	0.02	0.18	3.87	133	133	1290	10.3	0.0	1796	0.10	0.33	3.87	173	173	596	29.1	0.0
Piano 3	2 - 9	E	- 23331	12986 6	0.10	0.14	1.93	12518	12518	17741	70.6	0.0	5820	0.02	0.38	3.87	107	107	2188	4.9	0.0
Piano 3	2 - 10	E	- 21126	11922 6	0.10	0.14	1.93	11493	11493	16451	69.9	0.0	5467	0.02	0.36	3.87	100	100	1989	5.0	0.0
Piano 3	3 - 4	E	-8908	17522	0.10	0.16	3.87	1691	1691	2760	61.3	0.0	2878	0.02	0.34	3.87	53	53	970	5.5	0.0
Piano 3	3 - 4	E	- 13494	46541	0.10	0.14	3.87	4493	4493	6476	69.4	0.0	4453	0.02	0.33	3.87	82	82	1472	5.6	0.0
Piano 3	3 - 4	E	- 24016	13367 0	0.10	0.16	3.87	12903	12903	21172	60.9	0.0	8163	0.02	0.32	3.87	149	149	2625	5.7	0.0
Piano 3	3 - 4	E	- 23394	13584 9	0.10	0.15	3.87	13113	13113	20899	62.7	0.0	8253	0.02	0.31	3.87	149	149	2563	5.8	0.0
Piano 3	3 - 4	E	- 12225	46541	0.10	0.13	3.87	4493	4493	5903	76.1	0.0	4453	0.02	0.30	3.87	80	80	1342	5.9	0.0
Piano 3	3 - 4	E	-9062	25665	0.10	0.13	3.87	2477	2477	3329	74.4	0.0	3382	0.02	0.29	3.87	60	60	996	6.0	0.0
Piano 3	6 - 4	E	- 44697	31192 9	0.02	0.12	1.93	5542	5542	36126	15.3	0.0	15348	0.10	0.31	3.87	1478	1478	4759	31.0	0.0
Piano 3	5 - 4	E	-5122	8399	0.02	0.15	3.87	149	149	1262	11.8	0.0	1907	0.10	0.29	3.87	184	184	549	33.5	0.0
Piano 3	10 - 5	E	- 35211	24512 1	0.10	0.12	1.93	23628	23628	28671	82.4	0.0	9757	0.02	0.34	3.87	175	175	3336	5.2	0.0
Piano 3	8 - 6	E	- 17204	64629	0.10	0.15	3.87	6212	6212	9725	63.9	0.0	5271	0.02	0.35	3.87	95	95	1867	5.1	0.0
Piano 3	7 - 6	E	-7194	9389	0.10	0.19	3.87	902	902	1737	51.9	0.0	2249	0.02	0.35	3.87	40	40	782	5.2	0.0
Piano 3	7 - 6	E	-7080	9389	0.10	0.18	3.87	902	902	1712	52.7	0.0	2249	0.02	0.34	3.87	40	40	770	5.2	0.0
Piano 3	7 - 6	E	-9394	19925	0.10	0.15	3.87	1915	1915	3070	62.4	0.0	3036	0.02	0.34	3.87	54	54	1023	5.3	0.0
Piano 3	7 - 10	E	- 29574	17959 5	0.02	0.13	1.93	3250	3250	22718	14.3	0.0	7494	0.10	0.37	3.87	721	721	2778	26.0	0.0
Piano 3	7 - 10	E	-1784	394	0.02	0.39	3.87	7	7	153	4.7	0.0	475	0.10	0.35	3.87	46	46	168	27.2	0.0
Piano 3	8 - 9	E	- 30287	17959 5	0.02	0.13	1.93	3274	3274	22911	14.3	0.0	7494	0.10	0.38	3.87	721	721	2838	25.4	0.0
Piano 3	8 - 9	E	-1829	394	0.02	0.40	3.87	7	7	156	4.6	0.0	475	0.10	0.36	3.87	46	46	172	26.6	0.0
Piano 3	9 - 10	E	-5422	8834	0.10	0.16	3.87	852	852	1413	60.3	0.0	1444	0.02	0.35	3.87	26	26	512	5.1	0.0

**Cond\_X\_2(+); E(+); S2(+)** : 9) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 45994	53848 1	0.01	0.06	1.00	3779	3783	33427	11.3	0.0	13670 3	0.03	0.09	2.00	4352	4352	12428	35.0	0.0
Piano 1	1 - 3	E	- 33722	38413 5	0.01	0.06	1.00	2696	2699	24551	11.0	0.0	10050 8	0.03	0.09	2.00	2977	2977	9115	32.7	0.0
Piano 1	1 - 8	E	- 15124	11168 6	0.03	0.09	2.00	3686	3686	9807	37.6	0.0	42825	0.01	0.10	2.00	317	317	4203	7.5	0.0
Piano 1	1 - 8	E	- 16791	11168 6	0.03	0.10	2.00	3686	3686	10792	34.2	0.0	42825	0.01	0.11	2.00	357	357	4625	7.7	0.0
Piano 1	1 - 8	E	- 18457	11168 6	0.03	0.10	1.00	3686	3686	11368	32.4	0.0	42825	0.01	0.12	2.00	397	397	5039	7.9	0.0
Piano 1	1 - 7	E	- 33574	23759 5	0.03	0.12	1.00	7842	7842	27609	28.4	0.0	70355	0.01	0.13	2.00	729	729	9069	8.0	0.0
Piano 1	2 - 5	E	- 22131 1	17716 02	0.03	0.07	1.00	53378	53378	12446 2	42.9	0.0	32623 2	0.01	0.14	2.00	3639	3639	47014	7.7	0.0



# Relazione di calcolo - Comune di Terni

Piano 1	3 - 4	E	- 15602	11858 3	0.03	0.09	2.00	3407	3407	10481	32.5	0.0	44354	0.01	0.10	2.00	329	329	4337	7.6	0.0
Piano 1	3 - 4	E	- 18216 2	15388 80	0.03	0.10	1.00	44210	44210	14917 3	29.6	0.0	37930 5	0.01	0.13	2.00	3975	3975	49173	8.1	0.0
Piano 1	3 - 4	E	- 44284 8	24454 8	0.03	0.13	1.00	7026	7026	30888	22.7	0.0	71884	0.01	0.16	2.00	986	986	11578	8.5	0.0
Piano 1	3 - 4	E	- 32387 8	13862 8	0.03	0.12	1.00	3983	3983	17172	23.2	0.0	48759	0.01	0.17	2.00	725	725	8370	8.7	0.0
Piano 1	6 - 4	E	- 14278 0	84068 1	0.02	0.08	1.00	12854	12854	67522	19.0	0.0	20901 7	0.03	0.16	2.00	6537	6537	34199	19.1	0.0
Piano 1	5 - 4	E	- 19232	61299	0.02	0.10	1.00	937	937	6068	15.4	0.0	28193	0.03	0.16	2.00	819	819	4608	17.8	0.0
Piano 1	8 - 6	E	- 37116	22840 1	0.03	0.12	1.00	7538	7538	28055	26.9	0.0	68336	0.01	0.14	2.00	816	816	9873	8.3	0.0
Piano 1	7 - 6	E	- 25216	11168 6	0.03	0.11	1.00	3686	3686	12670	29.1	0.0	42825	0.01	0.15	2.00	558	558	6636	8.4	0.0
Piano 1	7 - 6	E	- 26883 6	11168 6	0.03	0.12	1.00	3686	3686	12971	28.4	0.0	42825	0.01	0.16	2.00	598	598	7009	8.5	0.0
Piano 1	7 - 6	E	- 29794 7	11996 7	0.03	0.12	1.00	3959	3959	14430	27.4	0.0	44660	0.01	0.17	2.00	665	665	7694	8.6	0.0
Piano 1	7 - 10	E	- 77628 0	57445 0	0.01	0.07	1.00	6816	6816	42168	16.2	0.0	10798 6	0.03	0.15	2.00	3408	3408	16317	20.9	0.0
Piano 1	8 - 9	E	- 69221	57445 0	0.01	0.07	1.00	6015	6015	40282	14.9	0.0	10798 6	0.03	0.14	2.00	3408	3408	14848	23.0	0.0
Piano 2	1 - 2	P	- 4716	375	0.09	0.90	4.83	34	34	337	10.1	0.0	694	1.23	0.67	4.83	463	463	463	100.0	13.4
Piano 2	1 - 2	P	- 43699	91214	0.09	0.19	4.83	8243	8243	17618	46.8	0.0	6160	1.23	0.69	4.83	4233	4233	4233	100.0	13.2
Piano 2	1 - 3	P	- 15502	8358	0.09	0.38	4.83	755	755	3212	23.5	0.0	2070	1.24	0.72	4.83	1481	1481	1481	100.0	12.9
Piano 2	1 - 8	P	- 14459	6343	1.23	0.64	4.83	2046	2149	2046	100.0	13.9	2116	0.09	0.87	4.83	146	146	1443	10.1	0.0
Piano 2	1 - 8	P	- 9780	1888	1.23	0.92	4.83	906	1212	906	100.0	7.9	1375	0.08	0.87	4.83	91	91	958	9.5	0.0
Piano 2	1 - 8	P	- 10135	1888	1.23	0.94	4.83	933	1212	933	100.0	7.3	1375	0.08	0.90	4.83	84	84	987	8.5	0.0
Piano 2	1 - 7	P	- 32585	36218	1.23	0.47	4.83	8648	8794	8648	100.0	17.3	4232	0.07	1.00	4.83	220	220	3171	6.9	0.0
Piano 2	2 - 3	P	- 8264	1313	0.09	0.66	4.83	119	119	872	13.6	0.0	1065	1.25	0.73	4.83	781	781	781	100.0	12.6
Piano 2	2 - 9	P	- 15028	8770	1.24	0.54	4.83	2422	2473	2422	100.0	16.4	1655	0.09	0.96	4.83	114	114	1236	9.2	0.0
Piano 2	2 - 9	C	- 38985	65867	1.93	0.33	2.41	10972	11864	10972	100.0	100.0	4086	0.08	1.07	2.41	229	229	3080	7.4	0.0
Piano 2	2 - 10	P	- 25210	24333	1.24	0.46	4.83	5670	5764	5670	100.0	18.0	2509	0.07	1.04	4.83	133	133	1969	6.8	0.0
Piano 2	3 - 4	P	- 18392	8212	1.25	0.66	4.83	2768	2782	2768	100.0	14.2	2328	0.09	0.97	4.83	161	161	1770	9.1	0.0
Piano 2	3 - 4	P	- 28058	21825	1.25	0.54	4.83	5953	5959	5953	100.0	16.6	3407	0.08	1.02	4.83	211	211	2662	7.9	0.0
Piano 2	3 - 4	P	- 31680	26289	1.25	0.53	4.83	7093	7159	7093	100.0	16.7	3682	0.07	1.06	4.83	203	203	2956	6.9	0.0
Piano 2	3 - 4	P	- 17239	5043	1.25	0.83	4.83	2111	2228	2111	100.0	10.5	1947	0.07	1.06	4.83	102	102	1612	6.4	0.0
Piano 2	3 - 4	P	- 17063	4599	1.25	0.87	4.83	2023	2056	2023	100.0	9.8	1883	0.06	1.07	4.83	93	93	1589	5.8	0.0
Piano 2	3 - 4	P	- 34475	26647	1.25	0.56	4.83	7583	7849	7583	100.0	16.2	3703	0.06	1.11	4.83	161	161	3136	5.1	0.0
Piano 2	3 - 4	P	- 33181	22156	1.25	0.60	4.83	6738	6832	6738	100.0	15.5	3428	0.05	1.14	4.83	129	129	2989	4.3	0.0
Piano 2	3 - 4	P	- 26809	11862	1.25	0.72	4.83	4300	4392	4300	100.0	13.0	2675	0.04	1.16	4.83	86	86	2413	3.6	0.0
Piano 2	6 - 4	P	- 20451	8544	0.04	0.47	4.83	335	342	3976	8.4	0.0	2087	1.24	0.87	4.83	1818	1818	1818	100.0	9.4
Piano 2	5 - 4	C	- 13159	2366	0.04	0.67	2.41	93	95	1594	5.8	0.0	1308	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	6 - 5	P	- 82547	15884 6	0.04	0.24	4.83	6230	6366	38342	16.2	0.0	8849	1.23	0.84	4.83	7439	7439	7439	100.0	9.8
Piano 2	9 - 5	C	- 46283	74493	1.93	0.32	2.41	11996	13529	11996	100.0	100.0	4380	0.06	1.11	2.41	186	186	3409	5.5	0.0
Piano 2	10 - 5	P	- 22235	14361	1.24	0.54	4.83	3908	3989	3908	100.0	16.4	2010	0.05	1.09	4.83	79	79	1670	4.7	0.0
Piano 2	10 - 5	C	- 41617	52381	1.93	0.39	2.41	10341	10542	10341	100.0	100.0	3613	0.04	1.14	2.41	112	112	2955	3.8	0.0
Piano 2	8 - 6	P	- 32475	32020	1.23	0.49	4.83	8054	8242	8054	100.0	16.9	4008	0.06	1.02	4.83	183	183	3097	5.9	0.0
Piano 2	7 - 6	P	- 11592	1888	1.23	1.05	4.83	1041	1212	1041	100.0	4.6	1375	0.05	1.00	4.83	59	59	1101	5.3	0.0
Piano 2	7 - 6	P	- 11948	1888	1.23	1.08	4.83	1066	1212	1066	100.0	3.9	1375	0.05	1.03	4.83	52	52	1128	4.6	0.0
Piano 2	7 - 6	P	- 20877	8212	1.23	0.73	4.83	3040	3154	3040	100.0	12.2	2328	0.04	1.07	4.83	75	75	1944	3.9	0.0
Piano 2	7 - 10	P	- 5140	341	0.06	1.02	4.83	21	21	349	5.9	0.0	526	1.23	0.83	4.83	436	436	436	100.0	10.0
Piano 2	7 - 10	P	- 72462	15559 6	0.06	0.23	4.83	9400	9400	35461	26.5	0.0	7072	1.24	0.86	4.83	6075	6075	6075	100.0	9.5
Piano 2	8 - 9	P	- 88273	21608 3	0.07	0.21	4.83	14912	14912	44646	33.4	0.0	9109	1.24	0.82	4.83	7500	7500	7500	100.0	10.3
Piano 3	1 - 2	E	- 28885	18644 5	0.03	0.13	1.93	4767	4767	23321	20.4	0.0	9902	0.12	0.31	3.87	1142	1142	3075	37.1	0.0
Piano 3	1 - 3	E	- 8632	24656	0.03	0.13	3.87	630	630	3296	19.1	0.0	2974	0.12	0.31	3.87	346	346	919	37.6	0.0
Piano 3	1 - 8	E	- 8660	18535	0.11	0.15	3.87	2127	2127	2755	77.2	0.0	2946	0.03	0.32	3.87	75	75	946	7.9	0.0
Piano 3	1 - 8	E	- 6702	9389	0.11	0.17	3.87	1078	1078	1626	66.3	0.0	2249	0.02	0.33	3.87	56	56	732	7.7	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	1 - 8	E	-6991	10140	0.11	0.17	3.87	1164	1164	1746	66.7	0.0	2316	0.02	0.33	3.87	57	57	763	7.4	0.0
Piano 3	1 - 7	E	-15584	60344	0.11	0.14	3.87	6926	6926	8530	81.2	0.0	5082	0.02	0.33	3.87	121	121	1698	7.1	0.0
Piano 3	2 - 3	E	-5197	7185	0.03	0.17	3.87	184	184	1199	15.3	0.0	1796	0.12	0.31	3.87	210	210	554	37.9	0.0
Piano 3	2 - 9	E	-21456	129866	0.12	0.13	1.93	15092	15092	17228	87.6	0.0	5820	0.03	0.35	3.87	146	146	2029	7.2	0.0
Piano 3	2 - 10	E	-20746	119226	0.12	0.14	1.93	13855	13855	16346	84.8	0.0	5467	0.02	0.36	3.87	132	132	1956	6.7	0.0
Piano 3	3 - 4	E	-8363	17522	0.12	0.15	3.87	2049	2049	2602	78.7	0.0	2878	0.03	0.32	3.87	73	73	915	8.0	0.0
Piano 3	3 - 4	E	-13149	46541	0.12	0.14	3.87	5441	5441	6321	86.1	0.0	4453	0.02	0.32	3.87	111	111	1437	7.7	0.0
Piano 3	3 - 4	E	-24649	133670	0.12	0.16	3.87	15628	15628	21692	72.0	0.0	8163	0.02	0.33	3.87	196	196	2689	7.3	0.0
Piano 3	3 - 4	E	-25585	135849	0.12	0.17	3.87	15883	15883	22724	69.9	0.0	8253	0.02	0.34	3.87	190	190	2786	6.8	0.0
Piano 3	3 - 4	E	-14100	46541	0.12	0.14	3.87	5441	5441	6747	80.7	0.0	4453	0.02	0.34	3.87	99	99	1533	6.5	0.0
Piano 3	3 - 4	E	-10878	25665	0.12	0.15	3.87	3001	3001	3950	76.0	0.0	3382	0.02	0.35	3.87	73	73	1182	6.2	0.0
Piano 3	6 - 4	E	-49920	311929	0.02	0.12	1.93	6695	6695	37553	17.8	0.0	15348	0.12	0.34	3.87	1774	1774	5258	33.7	0.0
Piano 3	5 - 4	E	-6166	8399	0.02	0.18	3.87	180	180	1493	12.1	0.0	1907	0.12	0.34	3.87	223	223	650	34.3	0.0
Piano 3	10 - 5	E	-38892	245121	0.12	0.12	1.93	28486	28486	29682	96.0	0.0	9757	0.02	0.37	3.87	217	217	3650	5.9	0.0
Piano 3	8 - 6	E	-16471	64629	0.11	0.14	3.87	7418	7418	9339	79.4	0.0	5271	0.02	0.34	3.87	122	122	1793	6.8	0.0
Piano 3	7 - 6	E	-7136	9389	0.11	0.18	3.87	1078	1078	1724	62.5	0.0	2249	0.02	0.35	3.87	51	51	776	6.5	0.0
Piano 3	7 - 6	E	-7221	9389	0.11	0.19	3.87	1078	1078	1743	61.8	0.0	2249	0.02	0.35	3.87	50	50	785	6.3	0.0
Piano 3	7 - 6	E	-9872	19925	0.11	0.16	3.87	2287	2287	3215	71.1	0.0	3036	0.02	0.35	3.87	66	66	1072	6.1	0.0
Piano 3	7 - 10	E	-29261	179595	0.02	0.13	1.93	4160	4160	22633	18.4	0.0	7494	0.12	0.37	3.87	865	865	2752	31.4	0.0
Piano 3	7 - 10	E	-1846	394	0.02	0.40	3.87	9	9	158	5.8	0.0	475	0.12	0.37	3.87	55	55	174	31.7	0.0
Piano 3	8 - 9	E	-28727	179595	0.02	0.13	1.93	4284	4284	22487	19.0	0.0	7494	0.12	0.36	3.87	865	865	2706	31.9	0.0
Piano 3	8 - 9	E	-1813	394	0.02	0.39	3.87	9	9	155	6.1	0.0	475	0.12	0.36	3.87	55	55	171	32.3	0.0
Piano 3	9 - 10	E	-5598	8834	0.12	0.16	3.87	1027	1027	1454	70.6	0.0	1444	0.02	0.36	3.87	34	34	527	6.4	0.0

**Cond\_X 2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	-55027	538481	0.01	0.07	1.00	7562	7562	35722	21.2	0.0	136703	0.03	0.11	2.00	4057	4057	14547	27.9	0.0
Piano 1	1 - 3	E	-28753	384135	0.01	0.06	1.00	5395	5395	23207	23.2	0.0	100508	0.03	0.08	2.00	2847	2847	7897	36.0	0.0
Piano 1	1 - 8	E	-20542	111686	0.03	0.11	1.00	3394	3394	11785	28.8	0.0	42825	0.01	0.13	2.00	591	591	5546	10.7	0.0
Piano 1	1 - 8	E	-22150	111686	0.03	0.11	1.00	3394	3394	12097	28.1	0.0	42825	0.01	0.14	2.00	567	567	5928	9.6	0.0
Piano 1	1 - 8	E	-23759	111686	0.03	0.11	1.00	3394	3394	12401	27.4	0.0	42825	0.01	0.15	2.00	543	543	6302	8.6	0.0
Piano 1	1 - 7	E	-42170	237595	0.03	0.13	1.00	7220	7220	29929	24.1	0.0	70355	0.01	0.16	2.00	845	845	11069	7.6	0.0
Piano 1	2 - 5	E	-208770	1771602	0.03	0.07	1.00	50734	50734	121614	41.7	0.0	326232	0.01	0.14	2.00	3759	3759	44793	8.4	0.0
Piano 1	3 - 4	E	-11323	118583	0.03	0.07	2.00	3295	3295	7772	42.4	0.0	44354	0.01	0.07	2.00	612	612	3216	19.0	0.0
Piano 1	3 - 4	E	-143873	1538880	0.03	0.09	1.00	42755	42755	138014	31.0	0.0	379305	0.01	0.10	2.00	4527	4527	39744	11.4	0.0
Piano 1	3 - 4	E	-36688	244548	0.03	0.12	1.00	6794	6794	28872	23.5	0.0	71884	0.01	0.14	2.00	716	716	9834	7.3	0.0
Piano 1	3 - 4	E	-27153	138628	0.03	0.12	1.00	3852	3852	16097	23.9	0.0	48759	0.01	0.15	2.00	452	452	7199	6.3	0.0
Piano 1	6 - 4	E	-147991	840681	0.01	0.08	1.00	7568	7622	68551	11.0	0.0	209017	0.03	0.17	2.00	6132	6132	35120	17.5	0.0
Piano 1	5 - 4	E	-16678	61299	0.01	0.09	1.00	552	556	5719	9.6	0.0	28193	0.03	0.15	2.00	789	789	4130	19.1	0.0
Piano 1	8 - 6	E	-45310	228401	0.03	0.13	1.00	6941	6941	30177	23.0	0.0	68336	0.01	0.17	2.00	755	755	11712	6.4	0.0
Piano 1	7 - 6	E	-30283	111686	0.03	0.12	1.00	3394	3394	13564	25.0	0.0	42825	0.01	0.18	2.00	445	445	7744	5.7	0.0
Piano 1	7 - 6	E	-31891	111686	0.03	0.12	1.00	3394	3394	13836	24.5	0.0	42825	0.01	0.19	2.00	420	420	8080	5.2	0.0
Piano 1	7 - 6	E	-34956	119967	0.03	0.13	1.00	3646	3646	15341	23.8	0.0	44660	0.01	0.20	2.00	413	413	8774	4.7	0.0
Piano 1	7 - 10	E	-84038	574450	0.01	0.08	1.00	6371	6371	43551	14.6	0.0	107986	0.03	0.16	2.00	3186	3186	17388	18.3	0.0
Piano 1	8 - 9	E	-75924	574450	0.01	0.07	1.00	6858	6858	41793	16.4	0.0	107986	0.03	0.15	2.00	3186	3186	16025	19.9	0.0
Piano 2	1 - 2	P	-5614	375	0.04	1.02	4.83	16	17	382	4.1	0.0	694	1.31	0.76	4.83	526	526	526	100.0	13.6
Piano 2	1 - 2	P	-47105	91214	0.04	0.20	4.83	3840	4104	18130	21.2	0.0	6160	1.32	0.73	4.83	4479	4479	4479	100.0	14.3



## Relazione di calcolo - Comune di Terni

Piano 2	1 - 3	P	- 14625	8358	0.04	0.37	4.83	352	376	3082	11.4	0.0	2070	1.32	0.69	4.83	1421	1421	1421	100.0	15.4
Piano 2	1 - 8	P	- 17427	6343	1.31	0.74	4.83	2352	2435	2352	100.0	13.9	2116	0.04	1.00	4.83	72	72	1659	4.3	0.0
Piano 2	1 - 8	P	- 11693	1888	1.31	1.06	4.83	1048	1294	1048	100.0	6.6	1375	0.05	1.01	4.83	53	53	1109	4.7	0.0
Piano 2	1 - 8	P	- 12033	1888	1.31	1.09	4.83	1072	1294	1072	100.0	6.0	1375	0.05	1.03	4.83	57	57	1134	5.0	0.0
Piano 2	1 - 7	P	- 38367	36218	1.31	0.52	4.83	9606	9856	9606	100.0	18.3	4232	0.06	1.11	4.83	181	181	3522	5.1	0.0
Piano 2	2 - 3	P	- 7105	1313	0.04	0.60	4.83	55	59	784	7.1	0.0	1065	1.33	0.66	4.83	702	702	702	100.0	16.0
Piano 2	2 - 9	P	- 14301	8770	1.32	0.53	4.83	2355	2355	2355	100.0	18.5	1655	0.04	0.93	4.83	56	56	1201	4.7	0.0
Piano 2	2 - 9	C	- 37113	65867	1.93	0.33	2.41	10834	11841	10834	100.0	100.0	4086	0.05	1.05	2.41	143	143	3021	4.7	0.0
Piano 2	2 - 10	P	- 24008	24333	1.32	0.45	4.83	5526	5664	5526	100.0	20.0	2509	0.06	1.01	4.83	106	106	1919	5.5	0.0
Piano 2	3 - 4	P	- 15530	8212	1.33	0.59	4.83	2455	2507	2455	100.0	17.5	2328	0.04	0.86	4.83	79	79	1570	5.0	0.0
Piano 2	3 - 4	P	- 23821	21825	1.33	0.48	4.83	5352	5503	5352	100.0	19.4	3407	0.05	0.92	4.83	127	127	2393	5.3	0.0
Piano 2	3 - 4	P	- 27044	26289	1.33	0.48	4.83	6404	6435	6404	100.0	19.5	3682	0.05	0.96	4.83	152	152	2668	5.7	0.0
Piano 2	3 - 4	P	- 14767	5043	1.33	0.74	4.83	1872	1975	1872	100.0	14.4	1947	0.06	0.94	4.83	89	89	1430	6.2	0.0
Piano 2	3 - 4	P	- 14655	4599	1.33	0.77	4.83	1797	1823	1797	100.0	13.8	1883	0.06	0.95	4.83	91	91	1412	6.5	0.0
Piano 2	3 - 4	P	- 29703	26647	1.33	0.51	4.83	6847	6937	6847	100.0	19.0	3703	0.07	1.01	4.83	184	184	2831	6.5	0.0
Piano 2	3 - 4	P	- 28711	22156	1.33	0.54	4.83	6087	6157	6087	100.0	18.4	3428	0.07	1.03	4.83	187	187	2700	6.9	0.0
Piano 2	3 - 4	P	- 23282	11862	1.33	0.65	4.83	3872	3984	3872	100.0	16.3	2675	0.08	1.05	4.83	159	159	2173	7.3	0.0
Piano 2	6 - 4	P	- 19362	8544	0.08	0.45	4.83	668	668	3822	17.5	0.0	2087	1.32	0.84	4.83	1747	1747	1747	100.0	12.2
Piano 2	5 - 4	P	- 11631	2366	0.08	0.61	4.83	185	185	1454	12.7	0.0	1308	1.33	0.81	4.83	1060	1060	1060	100.0	12.9
Piano 2	6 - 5	P	- 88209	15884 6	0.08	0.25	4.83	12426	12426	39425	31.5	0.0	8849	1.31	0.88	4.83	7802	7802	7802	100.0	11.0
Piano 2	9 - 5	C	- 44088	74493	1.93	0.32	2.41	11842	13502	11842	100.0	100.0	4380	0.06	1.09	2.41	193	193	3347	5.8	0.0
Piano 2	10 - 5	P	- 21186	14361	1.32	0.53	4.83	3802	3919	3802	100.0	18.5	2010	0.07	1.06	4.83	107	107	1625	6.6	0.0
Piano 2	10 - 5	C	- 39663	52381	1.93	0.39	2.41	10180	10332	10180	100.0	100.0	3613	0.08	1.11	2.41	196	196	2891	6.8	0.0
Piano 2	8 - 6	P	- 37882	32020	1.31	0.55	4.83	8931	9125	8931	100.0	17.8	4008	0.06	1.14	4.83	191	191	3435	5.6	0.0
Piano 2	7 - 6	P	- 13429	1888	1.31	1.18	4.83	1168	1294	1168	100.0	3.5	1375	0.07	1.12	4.83	75	75	1235	6.1	0.0
Piano 2	7 - 6	P	- 13770	1888	1.31	1.20	4.83	1190	1294	1190	100.0	2.9	1375	0.07	1.14	4.83	80	80	1259	6.3	0.0
Piano 2	7 - 6	P	- 23933	8212	1.31	0.81	4.83	3367	3420	3367	100.0	12.5	2328	0.08	1.18	4.83	140	140	2153	6.5	0.0
Piano 2	7 - 10	C	- 5921	341	0.06	1.14	2.41	22	22	388	5.6	0.0	526	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	7 - 10	P	- 74831	15559 6	0.06	0.23	4.83	9843	9843	35935	27.4	0.0	7072	1.32	0.88	4.83	6224	6224	6224	100.0	11.1
Piano 2	8 - 9	P	- 93511	21608 3	0.06	0.21	4.83	12357	12357	45712	27.0	0.0	9109	1.32	0.86	4.83	7837	7837	7837	100.0	11.5
Piano 3	1 - 2	E	- 29991	18644 5	0.03	0.13	1.93	4867	4867	23627	20.6	0.0	9902	0.12	0.32	3.87	1168	1168	3182	36.7	0.0
Piano 3	1 - 3	E	- 8400	24656	0.03	0.13	3.87	644	644	3215	20.0	0.0	2974	0.12	0.30	3.87	347	347	897	38.7	0.0
Piano 3	1 - 8	E	- 9321	18535	0.12	0.16	3.87	2200	2200	2951	74.5	0.0	2946	0.03	0.34	3.87	76	76	1014	7.5	0.0
Piano 3	1 - 8	E	- 7206	9389	0.12	0.19	3.87	1114	1114	1740	64.0	0.0	2249	0.03	0.35	3.87	57	57	783	7.2	0.0
Piano 3	1 - 8	E	- 7510	10140	0.12	0.18	3.87	1203	1203	1866	64.5	0.0	2316	0.02	0.35	3.87	57	57	815	7.0	0.0
Piano 3	1 - 7	E	- 16720	60344	0.12	0.15	3.87	7162	7162	9107	78.6	0.0	5082	0.02	0.36	3.87	121	121	1813	6.7	0.0
Piano 3	2 - 3	E	- 4870	7185	0.03	0.16	3.87	188	188	1130	16.6	0.0	1796	0.12	0.29	3.87	208	208	522	39.9	0.0
Piano 3	2 - 9	E	- 20970	12986 6	0.12	0.13	1.93	15160	15160	17093	88.7	0.0	5820	0.03	0.34	3.87	148	148	1987	7.5	0.0
Piano 3	2 - 10	E	- 20285	11922 6	0.12	0.14	1.93	13918	13918	16219	85.8	0.0	5467	0.02	0.35	3.87	131	131	1917	6.9	0.0
Piano 3	3 - 4	E	- 7759	17522	0.12	0.14	3.87	2029	2029	2425	83.7	0.0	2878	0.03	0.30	3.87	74	74	852	8.7	0.0
Piano 3	3 - 4	E	- 12214	46541	0.12	0.13	3.87	5388	5388	5898	91.4	0.0	4453	0.03	0.30	3.87	112	112	1340	8.3	0.0
Piano 3	3 - 4	E	- 22930	13367 0	0.12	0.15	3.87	15476	15476	20272	76.3	0.0	8163	0.02	0.31	3.87	196	196	2513	7.8	0.0
Piano 3	3 - 4	E	- 23843	13584 9	0.12	0.16	3.87	15728	15728	21275	73.9	0.0	8253	0.02	0.32	3.87	187	187	2609	7.2	0.0
Piano 3	3 - 4	E	- 13158	46541	0.12	0.14	3.87	5388	5388	6325	85.2	0.0	4453	0.02	0.32	3.87	96	96	1438	6.7	0.0
Piano 3	3 - 4	E	- 10162	25665	0.12	0.14	3.87	2971	2971	3707	80.2	0.0	3382	0.02	0.33	3.87	70	70	1109	6.3	0.0
Piano 3	6 - 4	E	- 50723	31192 9	0.02	0.12	1.93	6396	6396	37768	16.9	0.0	15348	0.12	0.35	3.87	1804	1804	5334	33.8	0.0
Piano 3	5 - 4	E	- 5817	8399	0.02	0.17	3.87	172	172	1417	12.2	0.0	1907	0.12	0.32	3.87	221	221	617	35.9	0.0
Piano 3	10 - 5	E	- 38058	24512 1	0.12	0.12	1.93	28615	28615	29456	97.1	0.0	9757	0.02	0.37	3.87	210	210	3579	5.9	0.0
Piano 3	8 - 6	E	- 17648	64629	0.12	0.15	3.87	7671	7671	9957	77.0	0.0	5271	0.02	0.36	3.87	120	120	1912	6.3	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	7 - 6	E	-7637	9389	0.12	0.20	3.87	1114	1114	1836	60.7	0.0	2249	0.02	0.37	3.87	50	50	826	6.0	0.0
Piano 3	7 - 6	E	-7722	9389	0.12	0.20	3.87	1114	1114	1855	60.1	0.0	2249	0.02	0.37	3.87	48	48	835	5.8	0.0
Piano 3	7 - 6	E	-10547	19925	0.12	0.17	3.87	2365	2365	3418	69.2	0.0	3036	0.02	0.38	3.87	63	63	1139	5.5	0.0
Piano 3	7 - 10	E	-30233	179595	0.02	0.13	1.93	4100	4100	22896	17.9	0.0	7494	0.12	0.38	3.87	883	883	2834	31.2	0.0
Piano 3	7 - 10	E	-1815	394	0.02	0.39	3.87	9	9	155	5.8	0.0	475	0.12	0.36	3.87	55	55	171	32.4	0.0
Piano 3	8 - 9	E	-29702	179595	0.02	0.13	1.93	4268	4268	22753	18.8	0.0	7494	0.12	0.37	3.87	883	883	2789	31.7	0.0
Piano 3	8 - 9	E	-1781	394	0.02	0.39	3.87	9	9	153	6.1	0.0	475	0.12	0.35	3.87	55	55	168	33.0	0.0
Piano 3	9 - 10	E	-5475	8834	0.12	0.16	3.87	1031	1031	1425	72.4	0.0	1444	0.02	0.36	3.87	33	33	516	6.4	0.0

**Cond\_X\_2(+); E(-); S2(+)** : **11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	-45995	538481	0.01	0.06	1.00	3339	3351	33427	10.0	0.0	136703	0.03	0.09	2.00	4411	4411	12428	35.5	0.0
Piano 1	1 - 3	E	-33722	384135	0.01	0.06	1.00	2382	2390	24551	9.7	0.0	100508	0.03	0.09	2.00	2976	2976	9115	32.6	0.0
Piano 1	1 - 8	E	-15124	111686	0.03	0.09	2.00	3760	3760	9807	38.3	0.0	42825	0.01	0.10	2.00	285	285	4203	6.8	0.0
Piano 1	1 - 8	E	-16791	111686	0.03	0.10	2.00	3760	3760	10792	34.8	0.0	42825	0.01	0.11	2.00	333	333	4625	7.2	0.0
Piano 1	1 - 8	E	-18457	111686	0.03	0.10	1.00	3760	3760	11368	33.1	0.0	42825	0.01	0.12	2.00	381	381	5039	7.6	0.0
Piano 1	1 - 7	E	-33574	237595	0.03	0.12	1.00	8000	8000	27609	29.0	0.0	70355	0.01	0.13	2.00	719	719	9069	7.9	0.0
Piano 1	2 - 5	E	-221311	1771602	0.03	0.07	1.00	53536	53536	124462	43.0	0.0	326232	0.01	0.14	2.00	3642	3642	47014	7.7	0.0
Piano 1	3 - 4	E	-15602	118583	0.03	0.09	2.00	3384	3384	10481	32.3	0.0	44354	0.01	0.10	2.00	296	296	4337	6.8	0.0
Piano 1	3 - 4	E	-182162	1538880	0.03	0.10	1.00	43915	43915	149173	29.4	0.0	379305	0.01	0.13	2.00	3927	3927	49173	8.0	0.0
Piano 1	3 - 4	E	-44284	244548	0.03	0.13	1.00	6979	6979	30888	22.6	0.0	71884	0.01	0.16	2.00	1024	1024	11578	8.8	0.0
Piano 1	3 - 4	E	-32387	138628	0.03	0.12	1.00	3956	3956	17172	23.0	0.0	48759	0.02	0.17	2.00	762	762	8370	9.1	0.0
Piano 1	6 - 4	E	-142780	840681	0.02	0.08	1.00	13559	13559	67522	20.1	0.0	209017	0.03	0.16	2.00	6604	6604	34199	19.3	0.0
Piano 1	5 - 4	E	-19232	61299	0.02	0.10	1.00	989	989	6068	16.3	0.0	28193	0.03	0.16	2.00	816	816	4608	17.7	0.0
Piano 1	8 - 6	E	-37116	228401	0.03	0.12	1.00	7690	7690	28055	27.4	0.0	68336	0.01	0.14	2.00	827	827	9873	8.4	0.0
Piano 1	7 - 6	E	-25216	111686	0.03	0.11	1.00	3760	3760	12670	29.7	0.0	42825	0.01	0.15	2.00	574	574	6636	8.7	0.0
Piano 1	7 - 6	E	-26883	111686	0.03	0.12	1.00	3760	3760	12971	29.0	0.0	42825	0.01	0.16	2.00	622	622	7009	8.9	0.0
Piano 1	7 - 6	E	-29794	119967	0.03	0.12	1.00	4039	4039	14430	28.0	0.0	44660	0.02	0.17	2.00	699	699	7694	9.1	0.0
Piano 1	7 - 10	E	-77628	574450	0.01	0.07	1.00	6903	6903	42168	16.4	0.0	107986	0.03	0.15	2.00	3448	3448	16317	21.1	0.0
Piano 1	8 - 9	E	-69221	574450	0.01	0.07	1.00	5942	5942	40282	14.8	0.0	107986	0.03	0.14	2.00	3448	3448	14848	23.2	0.0
Piano 2	1 - 2	P	-4716	375	0.08	0.90	4.83	32	32	337	9.4	0.0	694	1.23	0.67	4.83	463	463	463	100.0	13.6
Piano 2	1 - 2	P	-43699	91214	0.08	0.19	4.83	7669	7669	17618	43.5	0.0	6160	1.24	0.69	4.83	4233	4233	4233	100.0	13.3
Piano 2	1 - 3	P	-15502	8358	0.08	0.38	4.83	703	703	3212	21.9	0.0	2070	1.25	0.72	4.83	1481	1481	1481	100.0	12.9
Piano 2	1 - 8	P	-14459	6343	1.23	0.65	4.83	2053	2066	2053	100.0	14.0	2116	0.08	0.88	4.83	136	136	1448	9.4	0.0
Piano 2	1 - 8	P	-9780	1888	1.23	0.92	4.83	906	1219	906	100.0	8.1	1375	0.08	0.87	4.83	86	86	958	8.9	0.0
Piano 2	1 - 8	P	-10135	1888	1.23	0.94	4.83	933	1219	933	100.0	7.4	1375	0.07	0.90	4.83	81	81	987	8.2	0.0
Piano 2	1 - 7	P	-32585	36218	1.23	0.47	4.83	8648	8845	8648	100.0	17.5	4232	0.07	1.00	4.83	215	215	3171	6.8	0.0
Piano 2	2 - 3	P	-8264	1313	0.08	0.66	4.83	110	110	872	12.7	0.0	1065	1.25	0.73	4.83	781	781	781	100.0	12.7
Piano 2	2 - 9	P	-15028	8770	1.25	0.54	4.83	2422	2478	2422	100.0	16.5	1655	0.08	0.96	4.83	106	106	1236	8.6	0.0
Piano 2	2 - 9	C	-38985	65867	1.93	0.33	2.41	10972	11854	10972	100.0	100.0	4086	0.08	1.07	2.41	218	218	3080	7.1	0.0
Piano 2	2 - 10	P	-25210	24333	1.25	0.46	4.83	5670	5759	5670	100.0	18.0	2509	0.07	1.04	4.83	130	130	1969	6.6	0.0
Piano 2	3 - 4	P	-18392	8212	1.25	0.66	4.83	2768	2779	2768	100.0	14.2	2328	0.08	0.97	4.83	150	150	1770	8.5	0.0
Piano 2	3 - 4	P	-28058	21825	1.25	0.54	4.83	5953	5954	5953	100.0	16.7	3407	0.08	1.02	4.83	200	200	2662	7.5	0.0
Piano 2	3 - 4	P	-31680	26289	1.25	0.53	4.83	7093	7154	7093	100.0	16.7	3682	0.07	1.06	4.83	197	197	2956	6.7	0.0
Piano 2	3 - 4	P	-17239	5043	1.25	0.83	4.83	2111	2231	2111	100.0	10.5	1947	0.07	1.06	4.83	101	101	1612	6.3	0.0
Piano 2	3 - 4	P	-17063	4599	1.25	0.87	4.83	2023	2058	2023	100.0	9.8	1883	0.06	1.07	4.83	93	93	1589	5.8	0.0
Piano 2	3 - 4	P	-34475	26647	1.25	0.56	4.83	7583	7843	7583	100.0	16.2	3703	0.06	1.11	4.83	164	164	3136	5.2	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	3 - 4	P	- 33181	22156	1.25	0.60	4.83	6738	6827	6738	100.0	15.5	3428	0.05	1.14	4.83	137	137	2989	4.6	0.0
Piano 2	3 - 4	P	- 26809	11862	1.25	0.72	4.83	4300	4398	4300	100.0	13.1	2675	0.05	1.16	4.83	96	96	2413	4.0	0.0
Piano 2	6 - 4	P	- 20451	8544	0.04	0.47	4.83	380	386	3976	9.6	0.0	2087	1.25	0.87	4.83	1818	1818	1818	100.0	9.5
Piano 2	5 - 4	C	- 13159	2366	0.04	0.67	2.41	105	107	1594	6.6	0.0	1308	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	6 - 5	P	- 82547	15884	0.04	0.24	4.83	7069	7172	38342	18.4	0.0	8849	1.24	0.84	4.83	7439	7439	7439	100.0	10.0
Piano 2	9 - 5	C	- 46283	74493	1.93	0.32	2.41	11996	13518	11996	100.0	100.0	4380	0.06	1.11	2.41	187	187	3409	5.5	0.0
Piano 2	10 - 5	P	- 22235	14361	1.25	0.54	4.83	3908	3998	3908	100.0	16.4	2010	0.05	1.09	4.83	83	83	1670	5.0	0.0
Piano 2	10 - 5	C	- 41617	52381	1.93	0.39	2.41	10341	10534	10341	100.0	100.0	3613	0.05	1.14	2.41	124	124	2955	4.2	0.0
Piano 2	8 - 6	P	- 32475	32020	1.23	0.50	4.83	8059	8068	8059	100.0	17.0	4008	0.06	1.02	4.83	184	184	3100	5.9	0.0
Piano 2	7 - 6	P	- 11592	1888	1.23	1.05	4.83	1041	1219	1041	100.0	4.8	1375	0.06	1.00	4.83	61	61	1101	5.5	0.0
Piano 2	7 - 6	P	- 11948	1888	1.23	1.08	4.83	1066	1219	1066	100.0	4.1	1375	0.05	1.03	4.83	56	56	1128	5.0	0.0
Piano 2	7 - 6	P	- 20877	8212	1.23	0.73	4.83	3040	3182	3040	100.0	12.3	2328	0.05	1.07	4.83	84	84	1944	4.3	0.0
Piano 2	7 - 10	P	-5140	341	0.06	1.02	4.83	21	21	349	6.0	0.0	526	1.23	0.83	4.83	436	436	436	100.0	10.1
Piano 2	7 - 10	P	- 72462	15559	0.06	0.23	4.83	9476	9476	35461	26.7	0.0	7072	1.24	0.86	4.83	6075	6075	6075	100.0	9.6
Piano 2	8 - 9	P	- 88273	21608	0.07	0.21	4.83	14597	14597	44646	32.7	0.0	9109	1.24	0.82	4.83	7500	7500	7500	100.0	10.4
Piano 3	1 - 2	E	- 28885	18644	0.02	0.13	1.93	4423	4423	23321	19.0	0.0	9902	0.12	0.31	3.87	1149	1149	3075	37.3	0.0
Piano 3	1 - 3	E	-8632	24656	0.02	0.13	3.87	585	585	3296	17.7	0.0	2974	0.12	0.31	3.87	346	346	919	37.6	0.0
Piano 3	1 - 8	E	-8660	18535	0.12	0.15	3.87	2148	2148	2755	78.0	0.0	2946	0.02	0.32	3.87	70	70	946	7.4	0.0
Piano 3	1 - 8	E	-6702	9389	0.12	0.17	3.87	1088	1088	1626	66.9	0.0	2249	0.02	0.33	3.87	53	53	732	7.3	0.0
Piano 3	1 - 8	E	-6991	10140	0.12	0.17	3.87	1175	1175	1746	67.3	0.0	2316	0.02	0.33	3.87	54	54	763	7.1	0.0
Piano 3	1 - 7	E	- 15584	60344	0.12	0.14	3.87	6993	6993	8530	82.0	0.0	5082	0.02	0.33	3.87	119	119	1698	7.0	0.0
Piano 3	2 - 3	E	-5197	7185	0.02	0.17	3.87	170	170	1199	14.2	0.0	1796	0.12	0.31	3.87	209	209	554	37.7	0.0
Piano 3	2 - 9	E	- 21456	12986	0.12	0.13	1.93	15085	15085	17228	87.6	0.0	5820	0.02	0.35	3.87	138	138	2029	6.8	0.0
Piano 3	2 - 10	E	- 20746	11922	0.12	0.14	1.93	13849	13849	16346	84.7	0.0	5467	0.02	0.36	3.87	128	128	1956	6.5	0.0
Piano 3	3 - 4	E	-8363	17522	0.12	0.15	3.87	2038	2038	2602	78.3	0.0	2878	0.02	0.32	3.87	68	68	915	7.5	0.0
Piano 3	3 - 4	E	- 13149	46541	0.12	0.14	3.87	5412	5412	6321	85.6	0.0	4453	0.02	0.32	3.87	105	105	1437	7.3	0.0
Piano 3	3 - 4	E	- 24649	13367	0.12	0.16	3.87	15544	15544	21692	71.7	0.0	8163	0.02	0.33	3.87	191	191	2689	7.1	0.0
Piano 3	3 - 4	E	- 25585	13584	0.12	0.17	3.87	15798	15798	22724	69.5	0.0	8253	0.02	0.34	3.87	192	192	2786	6.9	0.0
Piano 3	3 - 4	E	- 14100	46541	0.12	0.14	3.87	5412	5412	6747	80.2	0.0	4453	0.02	0.34	3.87	103	103	1533	6.7	0.0
Piano 3	3 - 4	E	- 10878	25665	0.12	0.15	3.87	2985	2985	3950	75.6	0.0	3382	0.02	0.35	3.87	78	78	1182	6.6	0.0
Piano 3	6 - 4	E	- 49920	31192	0.02	0.12	1.93	7157	7157	37553	19.1	0.0	15348	0.12	0.34	3.87	1781	1781	5258	33.9	0.0
Piano 3	5 - 4	E	-6166	8399	0.02	0.18	3.87	193	193	1493	12.9	0.0	1907	0.12	0.34	3.87	222	222	650	34.1	0.0
Piano 3	10 - 5	E	- 38892	24512	0.12	0.12	1.93	28472	28472	29682	95.9	0.0	9757	0.02	0.37	3.87	225	225	3650	6.2	0.0
Piano 3	8 - 6	E	- 16471	64629	0.12	0.14	3.87	7490	7490	9339	80.2	0.0	5271	0.02	0.34	3.87	123	123	1793	6.8	0.0
Piano 3	7 - 6	E	-7136	9389	0.12	0.18	3.87	1088	1088	1724	63.1	0.0	2249	0.02	0.35	3.87	52	52	776	6.7	0.0
Piano 3	7 - 6	E	-7221	9389	0.12	0.19	3.87	1088	1088	1743	62.4	0.0	2249	0.02	0.35	3.87	52	52	785	6.6	0.0
Piano 3	7 - 6	E	-9872	19925	0.12	0.16	3.87	2309	2309	3215	71.8	0.0	3036	0.02	0.35	3.87	70	70	1072	6.5	0.0
Piano 3	7 - 10	E	- 29261	17959	0.02	0.13	1.93	4179	4179	22633	18.5	0.0	7494	0.12	0.37	3.87	869	869	2752	31.6	0.0
Piano 3	7 - 10	E	-1846	394	0.02	0.40	3.87	9	9	158	5.8	0.0	475	0.12	0.37	3.87	55	55	174	31.7	0.0
Piano 3	8 - 9	E	- 28727	17959	0.02	0.13	1.93	4202	4202	22487	18.7	0.0	7494	0.12	0.36	3.87	869	869	2706	32.1	0.0
Piano 3	8 - 9	E	-1813	394	0.02	0.39	3.87	9	9	155	5.9	0.0	475	0.12	0.36	3.87	55	55	171	32.3	0.0
Piano 3	9 - 10	E	-5598	8834	0.12	0.16	3.87	1026	1026	1454	70.6	0.0	1444	0.02	0.36	3.87	34	34	527	6.4	0.0

**Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 55027	53848	0.01	0.07	8019	8019	35722	22.4	0.0	13670	0.03	0.11	2.00	4101	4101	14547	28.2	0.0
Piano 1	1 - 3	E	28753	38413	0.01	0.06	5721	5721	23207	24.7	0.0	10050	0.03	0.08	2.00	2836	2836	7897	35.9	0.0
Piano 1	1 - 8	E	- 20542	11168	0.03	0.11	3455	3455	11785	29.3	0.0	42825	0.01	0.13	2.00	624	624	5546	11.3	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	1 - 8	E	- 22150	11168 6	0.03	0.11	1.00	3455	3455	12097	28.6	0.0	42825	0.01	0.14	2.00	592	592	5928	10.0	0.0
Piano 1	1 - 8	E	- 23759	11168 6	0.03	0.11	1.00	3455	3455	12401	27.9	0.0	42825	0.01	0.15	2.00	560	560	6302	8.9	0.0
Piano 1	1 - 7	E	- 42170	23759 5	0.03	0.13	1.00	7351	7351	29929	24.6	0.0	70355	0.01	0.16	2.00	858	858	11069	7.8	0.0
Piano 1	2 - 5	E	- 20877 0	17716 02	0.03	0.07	1.00	50712	50712	12161 4	41.7	0.0	32623 2	0.01	0.14	2.00	3773	3773	44793	8.4	0.0
Piano 1	3 - 4	E	- 11323	11858 3	0.03	0.07	2.00	3261	3261	7772	42.0	0.0	44354	0.01	0.07	2.00	646	646	3216	20.1	0.0
Piano 1	3 - 4	E	- 14387 3	15388 80	0.03	0.09	1.00	42316	42316	13801 4	30.7	0.0	37930 5	0.01	0.10	2.00	4593	4593	39744	11.6	0.0
Piano 1	3 - 4	E	- 36688	24454 8	0.03	0.12	1.00	6725	6725	28872	23.3	0.0	71884	0.01	0.14	2.00	683	683	9834	6.9	0.0
Piano 1	3 - 4	E	- 27153	13862 8	0.03	0.12	1.00	3812	3812	16097	23.7	0.0	48759	0.01	0.15	2.00	418	418	7199	5.8	0.0
Piano 1	6 - 4	E	- 14799 1	84068 1	0.01	0.08	1.00	6925	6985	68551	10.1	0.0	20901 7	0.03	0.17	2.00	6176	6176	35120	17.6	0.0
Piano 1	5 - 4	E	- 16678	61299	0.01	0.09	1.00	505	509	5719	8.8	0.0	28193	0.03	0.15	2.00	783	783	4130	19.0	0.0
Piano 1	8 - 6	E	- 45310	22840 1	0.03	0.13	1.00	7066	7066	30177	23.4	0.0	68336	0.01	0.17	2.00	747	747	11712	6.4	0.0
Piano 1	7 - 6	E	- 30283	11168 6	0.03	0.12	1.00	3455	3455	13564	25.5	0.0	42825	0.01	0.18	2.00	431	431	7744	5.6	0.0
Piano 1	7 - 6	E	- 31891	11168 6	0.03	0.12	1.00	3455	3455	13836	25.0	0.0	42825	0.01	0.19	2.00	399	399	8080	4.9	0.0
Piano 1	7 - 6	E	- 34956	11996 7	0.03	0.13	1.00	3711	3711	15341	24.2	0.0	44660	0.01	0.20	2.00	382	382	8774	4.4	0.0
Piano 1	7 - 10	E	- 84038	57445 0	0.01	0.08	1.00	6315	6315	43551	14.5	0.0	10798 6	0.03	0.16	2.00	3215	3215	17388	18.5	0.0
Piano 1	8 - 9	E	- 75924	57445 0	0.01	0.07	1.00	6959	6959	41793	16.7	0.0	10798 6	0.03	0.15	2.00	3215	3215	16025	20.1	0.0
Piano 2	1 - 2	P	-5614	375	0.05	1.02	4.83	18	19	382	4.7	0.0	694	1.32	0.76	4.83	526	526	526	100.0	13.7
Piano 2	1 - 2	P	- 47105	91214	0.05	0.20	4.83	4391	4624	18130	24.2	0.0	6160	1.32	0.73	4.83	4479	4479	4479	100.0	14.4
Piano 2	1 - 3	P	- 14625	8358	0.05	0.37	4.83	402	424	3082	13.1	0.0	2070	1.32	0.69	4.83	1421	1421	1421	100.0	15.4
Piano 2	1 - 8	P	- 17427	6343	1.31	0.74	4.83	2352	2451	2352	100.0	14.0	2116	0.05	1.00	4.83	81	81	1659	4.9	0.0
Piano 2	1 - 8	P	- 11693	1888	1.31	1.06	4.83	1048	1300	1048	100.0	6.7	1375	0.05	1.01	4.83	57	57	1109	5.2	0.0
Piano 2	1 - 8	P	- 12033	1888	1.31	1.09	4.83	1072	1300	1072	100.0	6.1	1375	0.05	1.03	4.83	60	60	1134	5.3	0.0
Piano 2	1 - 7	P	- 38367	36218	1.31	0.52	4.83	9602	9614	9602	100.0	18.4	4232	0.06	1.11	4.83	185	185	3521	5.3	0.0
Piano 2	2 - 3	P	-7105	1313	0.05	0.60	4.83	63	67	784	8.1	0.0	1065	1.33	0.66	4.83	702	702	702	100.0	16.0
Piano 2	2 - 9	P	- 14301	8770	1.32	0.53	4.83	2350	2436	2350	100.0	18.5	1655	0.05	0.93	4.83	63	63	1199	5.3	0.0
Piano 2	2 - 9	C	- 37113	65867	1.93	0.33	2.41	10834	11831	10834	100.0	100.0	4086	0.05	1.05	2.41	154	154	3021	5.1	0.0
Piano 2	2 - 10	P	- 24008	24333	1.32	0.45	4.83	5526	5659	5526	100.0	20.0	2509	0.06	1.01	4.83	110	110	1919	5.7	0.0
Piano 2	3 - 4	P	- 15530	8212	1.33	0.59	4.83	2455	2506	2455	100.0	17.5	2328	0.05	0.86	4.83	89	89	1570	5.7	0.0
Piano 2	3 - 4	P	- 23821	21825	1.33	0.48	4.83	5352	5481	5352	100.0	19.4	3407	0.05	0.92	4.83	137	137	2393	5.7	0.0
Piano 2	3 - 4	P	- 27044	26289	1.33	0.48	4.83	6404	6409	6404	100.0	19.4	3682	0.06	0.96	4.83	158	158	2668	5.9	0.0
Piano 2	3 - 4	P	- 14767	5043	1.33	0.74	4.83	1872	1975	1872	100.0	14.4	1947	0.06	0.94	4.83	91	91	1430	6.3	0.0
Piano 2	3 - 4	P	- 14655	4599	1.33	0.77	4.83	1797	1822	1797	100.0	13.7	1883	0.06	0.95	4.83	91	91	1412	6.5	0.0
Piano 2	3 - 4	P	- 29703	26647	1.33	0.51	4.83	6847	6910	6847	100.0	19.0	3703	0.06	1.01	4.83	181	181	2831	6.4	0.0
Piano 2	3 - 4	P	- 28711	22156	1.33	0.54	4.83	6087	6156	6087	100.0	18.4	3428	0.07	1.03	4.83	179	179	2700	6.6	0.0
Piano 2	3 - 4	P	- 23282	11862	1.33	0.65	4.83	3872	3982	3872	100.0	16.3	2675	0.07	1.05	4.83	150	150	2173	6.9	0.0
Piano 2	6 - 4	P	- 19362	8544	0.07	0.45	4.83	625	625	3822	16.4	0.0	2087	1.32	0.84	4.83	1747	1747	1747	100.0	12.2
Piano 2	5 - 4	P	- 11631	2366	0.07	0.61	4.83	173	173	1454	11.9	0.0	1308	1.33	0.81	4.83	1060	1060	1060	100.0	12.9
Piano 2	6 - 5	P	- 88209	15884 6	0.07	0.25	4.83	11620	11620	39425	29.5	0.0	8849	1.32	0.88	4.83	7802	7802	7802	100.0	11.1
Piano 2	9 - 5	C	- 44088	74493	1.93	0.32	2.41	11842	13491	11842	100.0	100.0	4380	0.06	1.09	2.41	192	192	3347	5.7	0.0
Piano 2	10 - 5	P	- 21186	14361	1.32	0.53	4.83	3802	3930	3802	100.0	18.5	2010	0.07	1.06	4.83	103	103	1625	6.3	0.0
Piano 2	10 - 5	C	- 39663	52381	1.93	0.39	2.41	10180	10324	10180	100.0	100.0	3613	0.07	1.11	2.41	185	185	2891	6.4	0.0
Piano 2	8 - 6	P	- 37882	32020	1.31	0.55	4.83	8931	9208	8931	100.0	17.9	4008	0.06	1.14	4.83	190	190	3435	5.5	0.0
Piano 2	7 - 6	P	- 13429	1888	1.31	1.18	4.83	1168	1300	1168	100.0	3.6	1375	0.07	1.12	4.83	73	73	1235	5.9	0.0
Piano 2	7 - 6	P	- 13770	1888	1.31	1.20	4.83	1190	1300	1190	100.0	3.0	1375	0.07	1.14	4.83	76	76	1259	6.0	0.0
Piano 2	7 - 6	P	- 23933	8212	1.31	0.81	4.83	3367	3442	3367	100.0	12.7	2328	0.07	1.18	4.83	131	131	2153	6.1	0.0
Piano 2	7 - 10	C	-5921	341	0.06	1.14	2.41	21	21	388	5.5	0.0	526	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	7 - 10	P	- 74831	15559 6	0.06	0.23	4.83	9770	9770	35935	27.2	0.0	7072	1.32	0.88	4.83	6224	6224	6224	100.0	11.1



Piano 2	8 - 9	P	- 93511	21608 3	0.06	0.21	4.83	12660	12660	45712	27.7	0.0	9109	1.32	0.86	4.83	7837	7837	7837	100.0	11.6
Piano 3	1 - 2	E	- 29991	18644 5	0.03	0.13	1.93	5206	5206	23627	22.0	0.0	9902	0.12	0.32	3.87	1174	1174	3182	36.9	0.0
Piano 3	1 - 3	E	-8400	24656	0.03	0.13	3.87	689	689	3215	21.4	0.0	2974	0.12	0.30	3.87	347	347	897	38.7	0.0
Piano 3	1 - 8	E	-9321	18535	0.12	0.16	3.87	2220	2220	2951	75.2	0.0	2946	0.03	0.34	3.87	81	81	1014	8.0	0.0
Piano 3	1 - 8	E	-7206	9389	0.12	0.19	3.87	1125	1125	1740	64.6	0.0	2249	0.03	0.35	3.87	60	60	783	7.6	0.0
Piano 3	1 - 8	E	-7510	10140	0.12	0.18	3.87	1215	1215	1866	65.1	0.0	2316	0.03	0.35	3.87	59	59	815	7.2	0.0
Piano 3	1 - 7	E	- 16720	60344	0.12	0.15	3.87	7228	7228	9107	79.4	0.0	5082	0.02	0.36	3.87	123	123	1813	6.8	0.0
Piano 3	2 - 3	E	-4870	7185	0.03	0.16	3.87	201	201	1130	17.8	0.0	1796	0.12	0.29	3.87	207	207	522	39.7	0.0
Piano 3	2 - 9	E	- 20970	12986 6	0.12	0.13	1.93	15153	15153	17093	88.6	0.0	5820	0.03	0.34	3.87	157	157	1987	7.9	0.0
Piano 3	2 - 10	E	- 20285	11922 6	0.12	0.14	1.93	13911	13911	16219	85.8	0.0	5467	0.02	0.35	3.87	135	135	1917	7.0	0.0
Piano 3	3 - 4	E	-7759	17522	0.12	0.14	3.87	2018	2018	2425	83.2	0.0	2878	0.03	0.30	3.87	79	79	852	9.3	0.0
Piano 3	3 - 4	E	- 12214	46541	0.12	0.13	3.87	5359	5359	5898	90.9	0.0	4453	0.03	0.30	3.87	117	117	1340	8.7	0.0
Piano 3	3 - 4	E	- 22930	13367 0	0.12	0.15	3.87	15393	15393	20272	75.9	0.0	8163	0.02	0.31	3.87	201	201	2513	8.0	0.0
Piano 3	3 - 4	E	- 23843	13584 9	0.12	0.16	3.87	15644	15644	21275	73.5	0.0	8253	0.02	0.32	3.87	186	186	2609	7.1	0.0
Piano 3	3 - 4	E	- 13158	46541	0.12	0.14	3.87	5359	5359	6325	84.7	0.0	4453	0.02	0.32	3.87	92	92	1438	6.4	0.0
Piano 3	3 - 4	E	- 10162	25665	0.12	0.14	3.87	2955	2955	3707	79.7	0.0	3382	0.02	0.33	3.87	66	66	1109	5.9	0.0
Piano 3	6 - 4	E	- 50723	31192 9	0.02	0.12	1.93	5939	5939	37768	15.7	0.0	15348	0.12	0.35	3.87	1811	1811	5334	33.9	0.0
Piano 3	5 - 4	E	-5817	8399	0.02	0.17	3.87	160	160	1417	11.3	0.0	1907	0.12	0.32	3.87	220	220	617	35.7	0.0
Piano 3	10 - 5	E	- 38058	24512 1	0.12	0.12	1.93	28601	28601	29456	97.1	0.0	9757	0.02	0.37	3.87	202	202	3579	5.6	0.0
Piano 3	8 - 6	E	- 17648	64629	0.12	0.15	3.87	7741	7741	9957	77.7	0.0	5271	0.02	0.36	3.87	120	120	1912	6.3	0.0
Piano 3	7 - 6	E	-7637	9389	0.12	0.20	3.87	1125	1125	1836	61.2	0.0	2249	0.02	0.37	3.87	48	48	826	5.8	0.0
Piano 3	7 - 6	E	-7722	9389	0.12	0.20	3.87	1125	1125	1855	60.6	0.0	2249	0.02	0.37	3.87	46	46	835	5.5	0.0
Piano 3	7 - 6	E	- 10547	19925	0.12	0.17	3.87	2386	2386	3418	69.8	0.0	3036	0.02	0.38	3.87	59	59	1139	5.2	0.0
Piano 3	7 - 10	E	- 30233	17959 5	0.02	0.13	1.93	4081	4081	22896	17.8	0.0	7494	0.12	0.38	3.87	888	888	2834	31.3	0.0
Piano 3	7 - 10	E	-1815	394	0.02	0.39	3.87	9	9	155	5.8	0.0	475	0.12	0.36	3.87	55	55	171	32.4	0.0
Piano 3	8 - 9	E	- 29702	17959 5	0.02	0.13	1.93	4348	4348	22753	19.1	0.0	7494	0.12	0.37	3.87	888	888	2789	31.8	0.0
Piano 3	8 - 9	E	-1781	394	0.02	0.39	3.87	10	10	153	6.2	0.0	475	0.12	0.35	3.87	55	55	168	33.0	0.0
Piano 3	9 - 10	E	-5475	8834	0.12	0.16	3.87	1031	1031	1425	72.3	0.0	1444	0.02	0.36	3.87	33	33	516	6.4	0.0

Cond\_X\_2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	Stato	N [daN]	k <sub>i</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>i</sub> [daN]	V <sub>i,c</sub> [daN]	V <sub>i,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>i</sub> [daN/cm]	δ <sub>i</sub> [cm]	δ <sub>i,0</sub> [cm]	δ <sub>i,u</sub> [cm]	V <sub>i</sub> [daN]	V <sub>i,c</sub> [daN]	V <sub>i,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>
Piano 1	1 - 2	E	- 86561	53848 1	0.01	0.08	1.00	7167	7167	42783	16.8	0.0	13670 3	0.03	0.15	2.00	4333	4333	21116	20.5	0.0
Piano 1	1 - 3	E	- 62805	38413 5	0.01	0.08	1.00	5112	5112	31282	16.3	0.0	10050 8	0.03	0.15	2.00	3072	3072	15367	20.0	0.0
Piano 1	1 - 8	E	- 26820	11168 6	0.03	0.12	1.00	3608	3608	12960	27.8	0.0	42825	0.01	0.16	2.00	561	561	6995	8.0	0.0
Piano 1	1 - 8	E	- 25656	11168 6	0.03	0.11	1.00	3608	3608	12750	28.3	0.0	42825	0.01	0.16	2.00	541	541	6735	8.0	0.0
Piano 1	1 - 8	E	- 24492	11168 6	0.03	0.11	1.00	3608	3608	12537	28.8	0.0	42825	0.01	0.15	2.00	521	521	6471	8.0	0.0
Piano 1	1 - 7	E	- 37966	23759 5	0.03	0.12	1.00	7674	7674	28817	26.6	0.0	70355	0.01	0.14	2.00	816	816	10107	8.1	0.0
Piano 1	2 - 5	E	- 21977 2	17716 02	0.03	0.07	1.00	54609	54609	12411 6	44.0	0.0	32623 2	0.01	0.14	2.00	3649	3649	46745	7.8	0.0
Piano 1	3 - 4	E	- 27052	11858 3	0.03	0.12	1.00	3570	3570	13767	25.9	0.0	44354	0.01	0.16	2.00	581	581	7083	8.2	0.0
Piano 1	3 - 4	E	- 19729 6	15388 80	0.03	0.10	1.00	46328	46328	15336 0	30.2	0.0	37930 5	0.01	0.14	2.00	4374	4374	52766	8.3	0.0
Piano 1	3 - 4	E	- 30572	24454 8	0.03	0.11	1.00	7362	7362	27140	27.1	0.0	71884	0.01	0.12	2.00	709	709	8358	8.5	0.0
Piano 1	3 - 4	E	- 19095	13862 8	0.03	0.10	2.00	4173	4173	13975	29.9	0.0	48759	0.01	0.11	2.00	452	452	5261	8.6	0.0
Piano 1	6 - 4	E	- 81263	84068 1	0.01	0.06	1.00	7617	7689	53908	14.1	0.0	20901 7	0.03	0.10	2.00	6566	6566	21582	30.4	0.0
Piano 1	5 - 4	E	- 10726	61299	0.01	0.08	1.00	555	561	4808	11.6	0.0	28193	0.03	0.10	2.00	854	854	2857	29.9	0.0
Piano 1	8 - 6	E	- 33728	22840 1	0.03	0.12	1.00	7377	7377	27129	27.2	0.0	68336	0.01	0.13	2.00	737	737	9077	8.1	0.0
Piano 1	7 - 6	E	- 19770	11168 6	0.03	0.10	1.00	3608	3608	11632	31.0	0.0	42825	0.01	0.13	2.00	438	438	5360	8.2	0.0
Piano 1	7 - 6	E	- 18606	11168 6	0.03	0.10	1.00	3608	3608	11398	31.7	0.0	42825	0.01	0.12	2.00	417	417	5076	8.2	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	7 - 6	E	- 18174	11996 7	0.03	0.10	1.00	3875	3875	12133	31.9	0.0	44660	0.01	0.11	2.00	414	414	4989	8.3	0.0
Piano 1	7 - 10	E	- 70525	57445 0	0.01	0.07	1.00	6216	6216	40580	15.3	0.0	10798 6	0.03	0.14	2.00	3408	3408	15081	22.6	0.0
Piano 1	8 - 9	E	- 76399	57445 0	0.01	0.07	1.00	6627	6627	41898	15.8	0.0	10798 6	0.03	0.15	2.00	3408	3408	16107	21.2	0.0
Piano 2	1 - 2	P	-6707	375	0.05	1.16	4.83	19	19	436	4.3	0.0	694	1.56	0.86	4.83	599	599	599	100.0	17.5
Piano 2	1 - 2	P	- 61183	91214	0.05	0.22	4.83	4562	4702	20145	22.6	0.0	6160	1.56	0.88	4.83	5420	5420	5420	100.0	17.3
Piano 2	1 - 3	P	- 21296	8358	0.05	0.48	4.83	418	431	4049	10.3	0.0	2070	1.57	0.90	4.83	1867	1867	1867	100.0	16.9
Piano 2	1 - 8	P	- 20117	6343	1.56	0.83	4.83	2622	2662	2622	100.0	18.3	2116	0.05	1.12	4.83	84	84	1849	4.5	0.0
Piano 2	1 - 8	P	- 12550	1888	1.56	1.12	4.83	1109	1539	1109	100.0	11.8	1375	0.05	1.07	4.83	59	59	1172	5.0	0.0
Piano 2	1 - 8	P	- 12059	1888	1.56	1.09	4.83	1074	1539	1074	100.0	12.6	1375	0.06	1.03	4.83	62	62	1136	5.4	0.0
Piano 2	1 - 7	P	- 35171	36218	1.56	0.49	4.83	9074	9199	9074	100.0	24.5	4232	0.06	1.05	4.83	189	189	3327	5.7	0.0
Piano 2	2 - 3	P	- 11218	1313	0.05	0.83	4.83	66	68	1090	6.0	0.0	1065	1.57	0.92	4.83	976	976	976	100.0	16.7
Piano 2	2 - 9	P	- 20135	8770	1.57	0.64	4.83	2880	2983	2880	100.0	22.0	1655	0.05	1.14	4.83	66	66	1469	4.5	0.0
Piano 2	2 - 9	C	- 47085	65867	1.93	0.35	2.41	11576	11841	11576	100.0	100.0	4086	0.05	1.15	2.41	158	158	3322	4.8	0.0
Piano 2	2 - 10	P	- 27166	24333	1.57	0.48	4.83	5898	5927	5898	100.0	25.0	2509	0.06	1.08	4.83	112	112	2048	5.5	0.0
Piano 2	3 - 4	P	- 24341	8212	1.57	0.82	4.83	3409	3541	3409	100.0	18.8	2328	0.05	1.20	4.83	93	93	2180	4.2	0.0
Piano 2	3 - 4	P	- 34054	21825	1.57	0.62	4.83	6813	7027	6813	100.0	22.6	3407	0.05	1.17	4.83	141	141	3047	4.6	0.0
Piano 2	3 - 4	P	- 34929	26289	1.57	0.57	4.83	7587	7733	7587	100.0	23.4	3682	0.06	1.13	4.83	162	162	3161	5.1	0.0
Piano 2	3 - 4	P	- 17794	5043	1.57	0.85	4.83	2163	2320	2163	100.0	18.0	1947	0.06	1.08	4.83	92	92	1652	5.6	0.0
Piano 2	3 - 4	P	- 16681	4599	1.57	0.85	4.83	1988	2141	1988	100.0	18.0	1883	0.06	1.05	4.83	93	93	1562	5.9	0.0
Piano 2	3 - 4	P	- 31523	26647	1.57	0.53	4.83	7125	7329	7125	100.0	24.2	3703	0.06	1.05	4.83	183	183	2947	6.2	0.0
Piano 2	3 - 4	P	- 27431	22156	1.57	0.52	4.83	5901	5908	5901	100.0	24.3	3428	0.07	1.00	4.83	180	180	2617	6.9	0.0
Piano 2	3 - 4	P	- 20134	11862	1.57	0.58	4.83	3487	3497	3487	100.0	23.3	2675	0.07	0.94	4.83	150	150	1957	7.6	0.0
Piano 2	6 - 4	P	- 14823	8544	0.07	0.37	4.83	625	625	3134	19.9	0.0	2087	1.57	0.69	4.83	1433	1433	1433	100.0	21.2
Piano 2	5 - 4	P	-9599	2366	0.07	0.53	4.83	173	173	1261	13.7	0.0	1308	1.57	0.70	4.83	920	920	920	100.0	21.0
Piano 2	6 - 5	P	- 59103	15884 6	0.07	0.21	4.83	11611	11611	33705	34.4	0.0	8849	1.56	0.66	4.83	5822	5822	5822	100.0	21.6
Piano 2	9 - 5	C	- 44277	74493	1.93	0.32	2.41	11855	13502	11855	100.0	100.0	4380	0.06	1.09	2.41	194	194	3352	5.8	0.0
Piano 2	10 - 5	P	- 18945	14361	1.57	0.49	4.83	3566	3648	3566	100.0	24.7	2010	0.07	0.99	4.83	104	104	1524	6.8	0.0
Piano 2	10 - 5	C	- 31768	52381	1.93	0.36	2.41	9531	9708	9531	100.0	100.0	3613	0.07	1.01	2.41	186	186	2617	7.1	0.0
Piano 2	8 - 6	P	- 31075	32020	1.56	0.48	4.83	7840	7944	7840	100.0	24.7	4008	0.06	1.00	4.83	192	192	3015	6.4	0.0
Piano 2	7 - 6	P	- 10047	1888	1.56	0.94	4.83	926	1539	926	100.0	15.9	1375	0.07	0.89	4.83	74	74	980	7.5	0.0
Piano 2	7 - 6	P	-9556	1888	1.56	0.90	4.83	890	897	890	100.0	16.7	1375	0.07	0.86	4.83	76	76	942	8.1	0.0
Piano 2	7 - 6	P	- 15264	8212	1.56	0.58	4.83	2420	2519	2420	100.0	23.0	2328	0.07	0.85	4.83	131	131	1547	8.5	0.0
Piano 2	7 - 10	P	-4919	341	0.06	0.99	4.83	22	22	337	6.4	0.0	526	1.56	0.80	4.83	422	422	422	100.0	18.8
Piano 2	7 - 10	P	- 69162	15559 6	0.06	0.22	4.83	9886	9886	34799	28.4	0.0	7072	1.56	0.83	4.83	5866	5866	5866	100.0	18.3
Piano 2	8 - 9	P	- 94204	21608 3	0.06	0.21	4.83	12891	12891	45851	28.1	0.0	9109	1.56	0.87	4.83	7881	7881	7881	100.0	17.6
Piano 3	1 - 2	E	- 33423	18644 5	0.03	0.13	1.93	4911	4911	24552	20.0	0.0	9902	0.13	0.35	3.87	1240	1240	3507	35.4	0.0
Piano 3	1 - 3	E	- 10003	24656	0.03	0.15	3.87	649	649	3764	17.3	0.0	2974	0.12	0.35	3.87	369	369	1050	35.1	0.0
Piano 3	1 - 8	E	-9897	18535	0.13	0.17	3.87	2335	2335	3120	74.8	0.0	2946	0.03	0.36	3.87	77	77	1072	7.2	0.0
Piano 3	1 - 8	E	-7406	9389	0.13	0.19	3.87	1183	1183	1785	66.3	0.0	2249	0.03	0.36	3.87	57	57	803	7.1	0.0
Piano 3	1 - 8	E	-7484	10140	0.13	0.18	3.87	1277	1277	1860	68.7	0.0	2316	0.02	0.35	3.87	58	58	813	7.1	0.0
Piano 3	1 - 7	E	- 16020	60344	0.13	0.15	3.87	7601	7601	8752	86.8	0.0	5082	0.02	0.34	3.87	122	122	1743	7.0	0.0
Piano 3	2 - 3	E	-6029	7185	0.03	0.19	3.87	189	189	1370	13.8	0.0	1796	0.12	0.35	3.87	221	221	633	35.0	0.0
Piano 3	2 - 9	E	- 24074	12986 6	0.12	0.14	1.93	16112	16112	17941	89.8	0.0	5820	0.03	0.39	3.87	150	150	2251	6.7	0.0
Piano 3	2 - 10	E	- 21644	11922 6	0.12	0.14	1.93	14792	14792	16592	89.2	0.0	5467	0.02	0.37	3.87	133	133	2033	6.5	0.0
Piano 3	3 - 4	E	-9592	17522	0.12	0.17	3.87	2158	2158	2956	73.0	0.0	2878	0.03	0.36	3.87	75	75	1039	7.2	0.0
Piano 3	3 - 4	E	- 14489	46541	0.12	0.15	3.87	5731	5731	6920	82.8	0.0	4453	0.03	0.35	3.87	113	113	1573	7.2	0.0
Piano 3	3 - 4	E	- 25674	13367 0	0.12	0.17	3.87	16459	16459	22533	73.0	0.0	8163	0.02	0.34	3.87	198	198	2793	7.1	0.0
Piano 3	3 - 4	E	- 24867	13584 9	0.12	0.16	3.87	16728	16728	22129	75.6	0.0	8253	0.02	0.33	3.87	190	190	2713	7.0	0.0
Piano 3	3 - 4	E	- 12929	46541	0.12	0.13	3.87	5731	5731	6222	92.1	0.0	4453	0.02	0.32	3.87	98	98	1414	6.9	0.0



Piano 3	3 - 4	E	-9546	25665	0.12	0.14	3.87	3160	3160	3496	90.4	0.0	3382	0.02	0.31	3.87	72	72	1046	6.8	0.0
Piano 3	6 - 4	E	-43185	31192	0.02	0.11	1.93	6519	6519	35702	18.3	0.0	15348	0.12	0.30	3.87	1916	1916	4613	41.5	0.0
Piano 3	5 - 4	E	-5337	8399	0.02	0.16	3.87	176	176	1310	13.4	0.0	1907	0.12	0.30	3.87	235	235	570	41.2	0.0
Piano 3	10 - 5	E	-35565	24512	0.12	0.12	1.93	28769	28769	28769	100.0	0.4	9757	0.02	0.35	3.87	214	214	3367	6.3	0.0
Piano 3	8 - 6	E	-16110	64629	0.13	0.14	3.87	8141	8141	9148	89.0	0.0	5271	0.02	0.33	3.87	122	122	1756	7.0	0.0
Piano 3	7 - 6	E	-6694	9389	0.13	0.17	3.87	1183	1183	1624	72.8	0.0	2249	0.02	0.33	3.87	50	50	731	6.9	0.0
Piano 3	7 - 6	E	-6554	9389	0.13	0.17	3.87	1183	1183	1593	74.3	0.0	2249	0.02	0.32	3.87	49	49	717	6.8	0.0
Piano 3	7 - 6	E	-8646	19925	0.13	0.14	3.87	2510	2510	2840	88.4	0.0	3036	0.02	0.31	3.87	64	64	947	6.8	0.0
Piano 3	7 - 10	E	-28630	17959	0.02	0.13	1.93	4159	4159	22461	18.5	0.0	7494	0.13	0.36	3.87	938	938	2698	34.8	0.0
Piano 3	7 - 10	E	-1808	394	0.02	0.39	3.87	9	9	155	5.9	0.0	475	0.12	0.36	3.87	59	59	170	34.6	0.0
Piano 3	8 - 9	E	-29507	17959	0.02	0.13	1.93	4322	4322	22700	19.0	0.0	7494	0.13	0.37	3.87	938	938	2773	33.8	0.0
Piano 3	8 - 9	E	-1863	394	0.02	0.40	3.87	9	9	159	6.0	0.0	475	0.12	0.37	3.87	59	59	175	33.7	0.0
Piano 3	9 - 10	E	-5522	8834	0.12	0.16	3.87	1096	1096	1436	76.3	0.0	1444	0.02	0.36	3.87	34	34	520	6.5	0.0

Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	-95377	53848	0.01	0.08	1.00	4473	4510	44557	10.0	0.0	13670	0.03	0.17	2.00	4197	4197	22722	18.5	0.0
Piano 1	1 - 3	E	-57604	38413	0.01	0.08	1.00	3191	3217	30189	10.6	0.0	10050	0.03	0.14	2.00	2927	2927	14358	20.4	0.0
Piano 1	1 - 8	E	-32194	11168	0.03	0.12	1.00	3522	3522	13886	25.4	0.0	42825	0.01	0.19	2.00	368	368	8143	4.5	0.0
Piano 1	1 - 8	E	-30991	11168	0.03	0.12	1.00	3522	3522	13684	25.7	0.0	42825	0.01	0.18	2.00	396	396	7893	5.0	0.0
Piano 1	1 - 8	E	-29788	11168	0.03	0.12	1.00	3522	3522	13479	26.1	0.0	42825	0.01	0.18	2.00	424	424	7639	5.6	0.0
Piano 1	1 - 7	E	-46590	23759	0.03	0.13	1.00	7493	7493	31054	24.1	0.0	70355	0.01	0.17	2.00	752	752	12045	6.2	0.0
Piano 1	2 - 5	E	-20715	17716	0.03	0.07	1.00	52238	52238	12124	43.1	0.0	32623	0.01	0.14	2.00	3673	3673	44503	8.3	0.0
Piano 1	3 - 4	E	-22667	11858	0.03	0.11	1.00	3378	3378	12921	26.1	0.0	44354	0.01	0.14	2.00	381	381	6075	6.3	0.0
Piano 1	3 - 4	E	-15864	15388	0.03	0.09	1.00	43837	43837	14242	30.8	0.0	37930	0.01	0.11	2.00	4088	4088	43438	9.4	0.0
Piano 1	3 - 4	E	-23018	24454	0.03	0.10	1.00	6966	6966	24834	28.1	0.0	71884	0.01	0.09	2.00	941	941	6444	14.6	0.0
Piano 1	3 - 4	E	-13917	13862	0.03	0.08	2.00	3949	3949	10431	37.9	0.0	48759	0.01	0.08	2.00	678	678	3926	17.3	0.0
Piano 1	6 - 4	E	-86929	84068	0.01	0.07	1.00	11948	11948	55302	21.6	0.0	20901	0.03	0.11	2.00	6334	6334	22878	27.7	0.0
Piano 1	5 - 4	E	-8213	61299	0.01	0.07	2.00	871	871	4219	20.7	0.0	28193	0.03	0.08	2.00	810	810	2252	36.0	0.0
Piano 1	8 - 6	E	-42000	22840	0.03	0.13	1.00	7203	7203	29338	24.6	0.0	68336	0.01	0.16	2.00	808	808	10984	7.4	0.0
Piano 1	7 - 6	E	-24908	11168	0.03	0.11	1.00	3522	3522	12613	27.9	0.0	42825	0.01	0.15	2.00	539	539	6565	8.2	0.0
Piano 1	7 - 6	E	-23705	11168	0.03	0.11	1.00	3522	3522	12390	28.4	0.0	42825	0.01	0.15	2.00	568	568	6290	9.0	0.0
Piano 1	7 - 6	E	-23450	11996	0.03	0.11	1.00	3784	3784	13225	28.6	0.0	44660	0.01	0.14	2.00	622	622	6264	9.9	0.0
Piano 1	7 - 10	E	-77027	57445	0.01	0.07	1.00	6759	6759	42036	16.1	0.0	10798	0.03	0.15	2.00	3294	3294	16214	20.3	0.0
Piano 1	8 - 9	E	-83097	57445	0.01	0.08	1.00	6188	6188	43351	14.3	0.0	10798	0.03	0.16	2.00	3294	3294	17233	19.1	0.0
Piano 2	1 - 2	P	-7597	375	0.10	1.27	4.83	37	37	475	7.8	0.0	694	1.46	0.94	4.83	653	653	653	100.0	13.3
Piano 2	1 - 2	P	-64492	91214	0.10	0.23	4.83	9052	9052	20600	43.9	0.0	6160	1.47	0.91	4.83	5623	5623	5623	100.0	14.2
Piano 2	1 - 3	P	-20374	8358	0.10	0.47	4.83	829	829	3920	21.2	0.0	2070	1.48	0.87	4.83	1807	1807	1807	100.0	15.4
Piano 2	1 - 8	P	-23066	6343	1.46	0.91	4.83	2900	3079	2900	100.0	13.9	2116	0.10	1.24	4.83	160	160	2045	7.8	0.0
Piano 2	1 - 8	P	-14457	1888	1.46	1.25	4.83	1234	1440	1234	100.0	5.8	1375	0.09	1.19	4.83	98	98	1306	7.5	0.0
Piano 2	1 - 8	P	-13957	1888	1.46	1.22	4.83	1203	1440	1203	100.0	6.7	1375	0.08	1.16	4.83	89	89	1272	7.0	0.0
Piano 2	1 - 7	P	-40974	36218	1.46	0.55	4.83	10035	10265	10035	100.0	21.2	4232	0.07	1.16	4.83	227	227	3679	6.2	0.0
Piano 2	2 - 3	P	-10031	1313	0.10	0.77	4.83	130	130	1005	13.0	0.0	1065	1.49	0.85	4.83	900	900	900	100.0	16.2
Piano 2	2 - 9	P	-19369	8770	1.48	0.63	4.83	2813	2843	2813	100.0	20.3	1655	0.10	1.11	4.83	124	124	1435	8.6	0.0
Piano 2	2 - 9	C	-45145	65867	1.93	0.35	2.41	11428	11864	11428	100.0	100.0	4086	0.09	1.13	2.41	245	245	3265	7.5	0.0
Piano 2	2 - 10	P	-25942	24333	1.48	0.47	4.83	5756	5835	5756	100.0	23.2	2509	0.07	1.06	4.83	138	138	1999	6.9	0.0
Piano 2	3 - 4	P	-21419	8212	1.49	0.74	4.83	3096	3136	3096	100.0	18.4	2328	0.10	1.09	4.83	176	176	1980	8.9	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	3 - 4	P	- 29748	21825	1.49	0.56	4.83	6194	6426	6194	100.0	21.8	3407	0.09	1.06	4.83	226	226	2770	8.2	0.0
Piano 2	3 - 4	P	- 30240	26289	1.49	0.52	4.83	6878	6950	6878	100.0	22.6	3682	0.08	1.03	4.83	213	213	2866	7.4	0.0
Piano 2	3 - 4	P	- 15302	5043	1.49	0.76	4.83	1926	2026	1926	100.0	18.0	1947	0.07	0.97	4.83	105	105	1471	7.1	0.0
Piano 2	3 - 4	P	- 14260	4599	1.49	0.75	4.83	1761	1870	1761	100.0	18.1	1883	0.06	0.93	4.83	93	93	1384	6.7	0.0
Piano 2	3 - 4	P	- 26739	26647	1.49	0.47	4.83	6420	6469	6420	100.0	23.4	3703	0.06	0.94	4.83	156	156	2655	5.9	0.0
Piano 2	3 - 4	P	- 22969	22156	1.49	0.47	4.83	5285	5394	5285	100.0	23.5	3428	0.04	0.89	4.83	117	117	2344	5.0	0.0
Piano 2	3 - 4	P	- 16629	11862	1.49	0.51	4.83	3081	3143	3081	100.0	22.7	2675	0.03	0.83	4.83	72	72	1729	4.2	0.0
Piano 2	6 - 4	P	- 13766	8544	0.03	0.35	4.83	272	299	2979	9.1	0.0	2087	1.48	0.65	4.83	1362	1362	1362	100.0	19.8
Piano 2	5 - 4	P	-8084	2366	0.03	0.47	4.83	75	83	1119	6.7	0.0	1308	1.49	0.62	4.83	816	816	816	100.0	20.6
Piano 2	6 - 5	P	- 64963	15884 6	0.03	0.22	4.83	5050	5568	34865	14.5	0.0	8849	1.47	0.70	4.83	6233	6233	6233	100.0	18.5
Piano 2	9 - 5	C	- 42081	74493	1.93	0.31	2.41	11703	13529	11703	100.0	100.0	4380	0.06	1.07	2.41	184	184	3289	5.6	0.0
Piano 2	10 - 5	P	- 17911	14361	1.48	0.48	4.83	3460	3515	3460	100.0	23.0	2010	0.05	0.96	4.83	74	74	1479	5.0	0.0
Piano 2	10 - 5	C	- 29868	52381	1.93	0.36	2.41	9383	9507	9383	100.0	100.0	3613	0.04	0.98	2.41	96	96	2551	3.8	0.0
Piano 2	8 - 6	P	- 36529	32020	1.46	0.53	4.83	8705	8776	8705	100.0	21.5	4008	0.06	1.11	4.83	181	181	3348	5.4	0.0
Piano 2	7 - 6	P	- 11907	1888	1.46	1.08	4.83	1064	1440	1064	100.0	10.1	1375	0.05	1.02	4.83	55	55	1125	4.9	0.0
Piano 2	7 - 6	P	- 11407	1888	1.46	1.04	4.83	1028	1440	1028	100.0	11.0	1375	0.04	0.99	4.83	47	47	1087	4.3	0.0
Piano 2	7 - 6	P	- 18379	8212	1.46	0.66	4.83	2764	2869	2764	100.0	19.1	2328	0.03	0.97	4.83	63	63	1768	3.5	0.0
Piano 2	7 - 10	P	-5707	341	0.06	1.11	4.83	20	20	377	5.4	0.0	526	1.46	0.90	4.83	472	472	472	100.0	14.3
Piano 2	7 - 10	P	- 71570	15559 6	0.06	0.23	4.83	9295	9295	35282	26.3	0.0	7072	1.47	0.85	4.83	6019	6019	6019	100.0	15.6
Piano 2	8 - 9	P	- 99436	21608 3	0.07	0.22	4.83	15358	15358	46888	32.8	0.0	9109	1.47	0.90	4.83	8205	8205	8205	100.0	14.5
Piano 3	1 - 2	E	- 34506	18644 5	0.03	0.13	1.93	4800	4800	24837	19.3	0.0	9902	0.12	0.36	3.87	1221	1221	3608	33.8	0.0
Piano 3	1 - 3	E	-9761	24656	0.03	0.15	3.87	635	635	3682	17.2	0.0	2974	0.12	0.35	3.87	370	370	1027	36.0	0.0
Piano 3	1 - 8	E	- 10554	18535	0.12	0.18	3.87	2274	2274	3311	68.7	0.0	2946	0.03	0.39	3.87	75	75	1137	6.6	0.0
Piano 3	1 - 8	E	-7909	9389	0.12	0.20	3.87	1152	1152	1897	60.7	0.0	2249	0.03	0.38	3.87	56	56	853	6.6	0.0
Piano 3	1 - 8	E	-8002	10140	0.12	0.20	3.87	1244	1244	1979	62.8	0.0	2316	0.02	0.37	3.87	57	57	865	6.6	0.0
Piano 3	1 - 7	E	- 17161	60344	0.12	0.15	3.87	7402	7402	9330	79.3	0.0	5082	0.02	0.37	3.87	122	122	1858	6.6	0.0
Piano 3	2 - 3	E	-5694	7185	0.03	0.18	3.87	185	185	1302	14.2	0.0	1796	0.12	0.33	3.87	224	224	601	37.3	0.0
Piano 3	2 - 9	E	- 23567	12986 6	0.12	0.14	1.93	16128	16128	17805	90.6	0.0	5820	0.03	0.38	3.87	147	147	2208	6.7	0.0
Piano 3	2 - 10	E	- 21174	11922 6	0.12	0.14	1.93	14806	14806	16464	89.9	0.0	5467	0.02	0.36	3.87	132	132	1993	6.6	0.0
Piano 3	3 - 4	E	-8976	17522	0.12	0.16	3.87	2189	2189	2780	78.8	0.0	2878	0.03	0.34	3.87	74	74	977	7.5	0.0
Piano 3	3 - 4	E	- 13538	46541	0.12	0.14	3.87	5815	5815	6496	89.5	0.0	4453	0.02	0.33	3.87	111	111	1476	7.5	0.0
Piano 3	3 - 4	E	- 23937	13367 0	0.12	0.16	3.87	16700	16700	21106	79.1	0.0	8163	0.02	0.32	3.87	197	197	2616	7.5	0.0
Piano 3	3 - 4	E	- 23118	13584 9	0.12	0.15	3.87	16972	16972	20668	82.1	0.0	8253	0.02	0.31	3.87	190	190	2534	7.5	0.0
Piano 3	3 - 4	E	- 11989	46541	0.12	0.12	3.87	5796	5796	5796	100.0	0.0	4453	0.02	0.30	3.87	99	99	1317	7.5	0.0
Piano 3	3 - 4	E	-8833	25665	0.12	0.13	3.87	3206	3206	3250	98.7	0.0	3382	0.02	0.29	3.87	73	73	972	7.5	0.0
Piano 3	6 - 4	E	- 44039	31192 9	0.02	0.12	1.93	6674	6674	35942	18.6	0.0	15348	0.12	0.31	3.87	1896	1896	4696	40.4	0.0
Piano 3	5 - 4	E	-4991	8399	0.02	0.15	3.87	180	180	1232	14.6	0.0	1907	0.12	0.28	3.87	238	238	536	44.4	0.0
Piano 3	10 - 5	E	- 34748	24512 1	0.12	0.12	1.93	28541	28541	28541	100.0	0.4	9757	0.02	0.34	3.87	217	217	3296	6.6	0.0
Piano 3	8 - 6	E	- 17297	64629	0.12	0.15	3.87	7928	7928	9773	81.1	0.0	5271	0.02	0.36	3.87	122	122	1876	6.5	0.0
Piano 3	7 - 6	E	-7202	9389	0.12	0.19	3.87	1152	1152	1739	66.2	0.0	2249	0.02	0.35	3.87	51	51	783	6.5	0.0
Piano 3	7 - 6	E	-7063	9389	0.12	0.18	3.87	1152	1152	1708	67.4	0.0	2249	0.02	0.34	3.87	50	50	768	6.5	0.0
Piano 3	7 - 6	E	-9334	19925	0.12	0.15	3.87	2444	2444	3051	80.1	0.0	3036	0.02	0.34	3.87	66	66	1017	6.4	0.0
Piano 3	7 - 10	E	- 29613	17959 5	0.02	0.13	1.93	4166	4166	22729	18.3	0.0	7494	0.12	0.37	3.87	924	924	2782	33.2	0.0
Piano 3	7 - 10	E	-1776	394	0.02	0.39	3.87	9	9	152	6.0	0.0	475	0.12	0.35	3.87	59	59	168	35.1	0.0
Piano 3	8 - 9	E	- 30483	17959 5	0.02	0.13	1.93	4297	4297	22963	18.7	0.0	7494	0.12	0.38	3.87	924	924	2855	32.4	0.0
Piano 3	8 - 9	E	-1832	394	0.02	0.40	3.87	9	9	156	6.0	0.0	475	0.12	0.36	3.87	59	59	172	34.2	0.0
Piano 3	9 - 10	E	-5400	8834	0.12	0.16	3.87	1097	1097	1407	77.9	0.0	1444	0.02	0.35	3.87	34	34	510	6.6	0.0

Cond\_X\_2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)



Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 86565	53848 1	0.01	0.08	1.00	7566	7566	42783	17.7	0.0	13670 3	0.03	0.15	2.00	4388	4388	21116	20.8	0.0
Piano 1	1 - 3	E	- 62807	38413 5	0.01	0.08	1.00	5398	5398	31283	17.3	0.0	10050 8	0.03	0.15	2.00	3072	3072	15367	20.0	0.0
Piano 1	1 - 8	E	- 26821	11168 6	0.03	0.12	1.00	3676	3676	12960	28.4	0.0	42825	0.01	0.16	2.00	590	590	6995	8.4	0.0
Piano 1	1 - 8	E	- 25657	11168 6	0.03	0.11	1.00	3676	3676	12750	28.8	0.0	42825	0.01	0.16	2.00	563	563	6735	8.4	0.0
Piano 1	1 - 8	E	- 24492	11168 6	0.03	0.11	1.00	3676	3676	12537	29.3	0.0	42825	0.01	0.15	2.00	535	535	6471	8.3	0.0
Piano 1	1 - 7	E	- 37966	23759 5	0.03	0.12	1.00	7819	7819	28817	27.1	0.0	70355	0.01	0.14	2.00	825	825	10108	8.2	0.0
Piano 1	2 - 5	E	- 21977 2	17716 02	0.03	0.07	1.00	54769	54769	12411 6	44.1	0.0	32623 2	0.01	0.14	2.00	3647	3647	46745	7.8	0.0
Piano 1	3 - 4	E	- 27053	11858 3	0.03	0.12	1.00	3551	3551	13767	25.8	0.0	44354	0.01	0.16	2.00	611	611	7083	8.6	0.0
Piano 1	3 - 4	E	- 19729 7	15388 80	0.03	0.10	1.00	46077	46077	15336 0	30.0	0.0	37930 5	0.01	0.14	2.00	4418	4418	52766	8.4	0.0
Piano 1	3 - 4	E	- 30570	24454 8	0.03	0.11	1.00	7322	7322	27139	27.0	0.0	71884	0.01	0.12	2.00	676	676	8357	8.1	0.0
Piano 1	3 - 4	E	- 19094	13862 8	0.03	0.10	2.00	4151	4151	13974	29.7	0.0	48759	0.01	0.11	2.00	419	419	5260	8.0	0.0
Piano 1	6 - 4	E	- 81257	84068 1	0.01	0.06	1.00	6985	6985	53906	13.0	0.0	20901 7	0.03	0.10	2.00	6628	6628	21580	30.7	0.0
Piano 1	5 - 4	E	- 10725	61299	0.01	0.08	1.00	509	509	4808	10.6	0.0	28193	0.03	0.10	2.00	851	851	2856	29.8	0.0
Piano 1	8 - 6	E	- 33728 1	22840 1	0.03	0.12	1.00	7517	7517	27129	27.7	0.0	68336	0.01	0.13	2.00	727	727	9077	8.0	0.0
Piano 1	7 - 6	E	- 19770	11168 6	0.03	0.10	1.00	3676	3676	11632	31.6	0.0	42825	0.01	0.13	2.00	423	423	5360	7.9	0.0
Piano 1	7 - 6	E	- 18605	11168 6	0.03	0.10	1.00	3676	3676	11398	32.2	0.0	42825	0.01	0.12	2.00	396	396	5076	7.8	0.0
Piano 1	7 - 6	E	- 18173	11996 7	0.03	0.10	1.00	3948	3948	12132	32.5	0.0	44660	0.01	0.11	2.00	383	383	4989	7.7	0.0
Piano 1	7 - 10	E	- 70525	57445 0	0.01	0.07	1.00	6139	6139	40580	15.1	0.0	10798 6	0.03	0.14	2.00	3445	3445	15081	22.8	0.0
Piano 1	8 - 9	E	- 76399	57445 0	0.01	0.07	1.00	6695	6695	41898	16.0	0.0	10798 6	0.03	0.15	2.00	3445	3445	16107	21.4	0.0
Piano 2	1 - 2	P	- 6707	375	0.06	1.16	4.83	21	22	436	4.9	0.0	694	1.39	0.86	4.83	599	599	599	100.0	13.4
Piano 2	1 - 2	P	- 61184	91214	0.06	0.22	4.83	5201	5258	20145	25.8	0.0	6160	1.40	0.88	4.83	5420	5420	5420	100.0	13.0
Piano 2	1 - 3	P	- 21297	8358	0.06	0.48	4.83	477	482	4049	11.8	0.0	2070	1.40	0.90	4.83	1867	1867	1867	100.0	12.6
Piano 2	1 - 8	P	- 20118	6343	1.39	0.83	4.83	2622	2661	2622	100.0	14.2	2116	0.06	1.12	4.83	95	95	1849	5.1	0.0
Piano 2	1 - 8	P	- 12550	1888	1.39	1.12	4.83	1109	1377	1109	100.0	7.3	1375	0.06	1.07	4.83	64	64	1172	5.5	0.0
Piano 2	1 - 8	P	- 12059	1888	1.39	1.09	4.83	1074	1377	1074	100.0	8.2	1375	0.06	1.03	4.83	66	66	1136	5.8	0.0
Piano 2	1 - 7	P	- 35172	36218	1.39	0.49	4.83	9074	9250	9074	100.0	20.7	4232	0.06	1.05	4.83	194	194	3327	5.8	0.0
Piano 2	2 - 3	C	- 11218	1313	0.06	0.83	2.41	75	76	1092	6.9	0.0	1065	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	2 - 9	P	- 20136	8770	1.40	0.64	4.83	2880	2964	2880	100.0	18.0	1655	0.06	1.14	4.83	74	74	1469	5.0	0.0
Piano 2	2 - 9	C	- 47086	65867	1.93	0.35	2.41	11576	11831	11576	100.0	100.0	4086	0.06	1.15	2.41	170	170	3322	5.1	0.0
Piano 2	2 - 10	P	- 27167	24333	1.40	0.48	4.83	5898	5922	5898	100.0	21.1	2509	0.06	1.08	4.83	115	115	2048	5.6	0.0
Piano 2	3 - 4	P	- 24341	8212	1.40	0.82	4.83	3409	3516	3409	100.0	14.5	2328	0.06	1.20	4.83	104	104	2180	4.8	0.0
Piano 2	3 - 4	P	- 34054	21825	1.40	0.62	4.83	6813	6963	6813	100.0	18.6	3407	0.06	1.17	4.83	153	153	3047	5.0	0.0
Piano 2	3 - 4	P	- 34930	26289	1.40	0.57	4.83	7587	7683	7587	100.0	19.4	3682	0.06	1.13	4.83	169	169	3161	5.3	0.0
Piano 2	3 - 4	P	- 17794	5043	1.40	0.85	4.83	2163	2305	2163	100.0	13.7	1947	0.06	1.08	4.83	94	94	1652	5.7	0.0
Piano 2	3 - 4	P	- 16681	4599	1.40	0.85	4.83	1988	2127	1988	100.0	13.8	1883	0.06	1.05	4.83	93	93	1562	5.9	0.0
Piano 2	3 - 4	P	- 31522	26647	1.40	0.53	4.83	7125	7278	7125	100.0	20.3	3703	0.06	1.05	4.83	179	179	2947	6.1	0.0
Piano 2	3 - 4	P	- 27431	22156	1.40	0.52	4.83	5899	6068	5899	100.0	20.3	3428	0.07	1.00	4.83	171	171	2617	6.5	0.0
Piano 2	3 - 4	P	- 20134	11862	1.40	0.58	4.83	3484	3618	3484	100.0	19.3	2675	0.07	0.94	4.83	139	139	1956	7.1	0.0
Piano 2	6 - 4	P	- 14823	8544	0.07	0.37	4.83	574	574	3134	18.3	0.0	2087	1.40	0.69	4.83	1433	1433	1433	100.0	17.2
Piano 2	5 - 4	P	- 9598	2366	0.07	0.53	4.83	159	159	1261	12.6	0.0	1308	1.40	0.70	4.83	920	920	920	100.0	16.9
Piano 2	6 - 5	P	- 59101	15884 6	0.07	0.21	4.83	10678	10678	33705	31.7	0.0	8849	1.39	0.66	4.83	5822	5822	5822	100.0	17.7
Piano 2	9 - 5	C	- 44277	74493	1.93	0.32	2.41	11855	13491	11855	100.0	100.0	4380	0.06	1.09	2.41	193	193	3352	5.7	0.0
Piano 2	10 - 5	P	- 18944	14361	1.40	0.49	4.83	3566	3645	3566	100.0	20.8	2010	0.06	0.99	4.83	100	100	1524	6.5	0.0
Piano 2	10 - 5	C	- 31768	52381	1.93	0.36	2.41	9531	9700	9531	100.0	100.0	3613	0.07	1.01	2.41	173	173	2617	6.6	0.0
Piano 2	8 - 6	P	- 31075	32020	1.39	0.48	4.83	7840	7989	7840	100.0	21.0	4008	0.06	1.00	4.83	191	191	3015	6.3	0.0
Piano 2	7 - 6	P	- 10047	1888	1.39	0.94	4.83	926	1377	926	100.0	11.7	1375	0.06	0.89	4.83	71	71	980	7.2	0.0



Piano 2	7 - 6	P	-9556	1888	1.39	0.90	4.83	890	896	890	100.0	12.5	1375	0.07	0.86	4.83	72	72	942	7.7	0.0
Piano 2	7 - 6	P	-15264	8212	1.39	0.58	4.83	2420	2518	2420	100.0	19.2	2328	0.07	0.85	4.83	122	122	1547	7.9	0.0
Piano 2	7 - 10	P	-4919	341	0.06	0.99	4.83	21	21	337	6.4	0.0	526	1.39	0.80	4.83	422	422	422	100.0	14.7
Piano 2	7 - 10	P	-69162	155596	0.06	0.22	4.83	9802	9802	34799	28.2	0.0	7072	1.40	0.83	4.83	5866	5866	5866	100.0	14.2
Piano 2	8 - 9	P	-94204	216083	0.06	0.21	4.83	13241	13241	45851	28.9	0.0	9109	1.40	0.87	4.83	7881	7881	7881	100.0	13.4
Piano 3	1 - 2	E	-33423	186445	0.03	0.13	1.93	5255	5255	24552	21.4	0.0	9902	0.13	0.35	3.87	1247	1247	3507	35.5	0.0
Piano 3	1 - 3	E	-10003	24656	0.03	0.15	3.87	695	695	3764	18.5	0.0	2974	0.12	0.35	3.87	369	369	1050	35.1	0.0
Piano 3	1 - 8	E	-9897	18535	0.13	0.17	3.87	2355	2355	3120	75.5	0.0	2946	0.03	0.36	3.87	82	82	1072	7.6	0.0
Piano 3	1 - 8	E	-7406	9389	0.13	0.19	3.87	1193	1193	1785	66.8	0.0	2249	0.03	0.36	3.87	60	60	803	7.5	0.0
Piano 3	1 - 8	E	-7484	10140	0.13	0.18	3.87	1289	1289	1860	69.3	0.0	2316	0.03	0.35	3.87	60	60	813	7.4	0.0
Piano 3	1 - 7	E	-16020	60344	0.13	0.15	3.87	7669	7669	8752	87.6	0.0	5082	0.02	0.34	3.87	125	125	1743	7.2	0.0
Piano 3	2 - 3	E	-6029	7185	0.03	0.19	3.87	203	203	1370	14.8	0.0	1796	0.12	0.35	3.87	221	221	633	34.8	0.0
Piano 3	2 - 9	E	-24074	129866	0.12	0.14	1.93	16107	16107	17941	89.8	0.0	5820	0.03	0.39	3.87	158	158	2251	7.0	0.0
Piano 3	2 - 10	E	-21644	119226	0.12	0.14	1.93	14787	14787	16592	89.1	0.0	5467	0.02	0.37	3.87	136	136	2033	6.7	0.0
Piano 3	3 - 4	E	-9592	17522	0.12	0.17	3.87	2147	2147	2956	72.6	0.0	2878	0.03	0.36	3.87	80	80	1039	7.7	0.0
Piano 3	3 - 4	E	-14489	46541	0.12	0.15	3.87	5702	5702	6920	82.4	0.0	4453	0.03	0.35	3.87	118	118	1573	7.5	0.0
Piano 3	3 - 4	E	-25674	133670	0.12	0.17	3.87	16377	16377	22533	72.7	0.0	8163	0.02	0.34	3.87	203	203	2793	7.3	0.0
Piano 3	3 - 4	E	-24867	135849	0.12	0.16	3.87	16644	16644	22129	75.2	0.0	8253	0.02	0.33	3.87	188	188	2713	6.9	0.0
Piano 3	3 - 4	E	-12929	46541	0.12	0.13	3.87	5702	5702	6222	91.6	0.0	4453	0.02	0.32	3.87	94	94	1414	6.6	0.0
Piano 3	3 - 4	E	-9546	25665	0.12	0.14	3.87	3145	3145	3496	90.0	0.0	3382	0.02	0.31	3.87	67	67	1046	6.4	0.0
Piano 3	6 - 4	E	-43185	311929	0.02	0.11	1.93	6056	6056	35702	17.0	0.0	15348	0.13	0.30	3.87	1923	1923	4613	41.7	0.0
Piano 3	5 - 4	E	-5337	8399	0.02	0.16	3.87	163	163	1310	12.4	0.0	1907	0.12	0.30	3.87	234	234	570	41.1	0.0
Piano 3	10 - 5	E	-35565	245121	0.12	0.12	1.93	28769	28769	28769	100.0	0.4	9757	0.02	0.35	3.87	205	205	3367	6.1	0.0
Piano 3	8 - 6	E	-16110	64629	0.13	0.14	3.87	8213	8213	9148	89.8	0.0	5271	0.02	0.33	3.87	122	122	1756	6.9	0.0
Piano 3	7 - 6	E	-6694	9389	0.13	0.17	3.87	1193	1193	1624	73.5	0.0	2249	0.02	0.33	3.87	49	49	731	6.7	0.0
Piano 3	7 - 6	E	-6554	9389	0.13	0.17	3.87	1193	1193	1593	74.9	0.0	2249	0.02	0.32	3.87	47	47	717	6.5	0.0
Piano 3	7 - 6	E	-8646	19925	0.13	0.14	3.87	2532	2532	2840	89.1	0.0	3036	0.02	0.31	3.87	60	60	947	6.3	0.0
Piano 3	7 - 10	E	-28630	179595	0.02	0.13	1.93	4140	4140	22461	18.4	0.0	7494	0.13	0.36	3.87	943	943	2698	34.9	0.0
Piano 3	7 - 10	E	-1808	394	0.02	0.39	3.87	9	9	155	5.9	0.0	475	0.12	0.36	3.87	59	59	170	34.6	0.0
Piano 3	8 - 9	E	-29507	179595	0.02	0.13	1.93	4403	4403	22700	19.4	0.0	7494	0.13	0.37	3.87	943	943	2773	34.0	0.0
Piano 3	8 - 9	E	-1863	394	0.02	0.40	3.87	10	10	159	6.1	0.0	475	0.12	0.37	3.87	59	59	175	33.7	0.0
Piano 3	9 - 10	E	-5522	8834	0.12	0.16	3.87	1096	1096	1436	76.3	0.0	1444	0.02	0.36	3.87	34	34	520	6.5	0.0

**Cond\_X\_2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 95377	53848 1	0.01	0.08	1.00	4064	4106	44557	9.1	0.0	13670 3	0.03	0.17	2.00	4241	4241	22722	18.7	0.0
Piano 1	1 - 3	E	- 57604	38413 5	0.01	0.08	1.00	2899	2929	30189	9.6	0.0	10050 8	0.03	0.14	2.00	2917	2917	14358	20.3	0.0
Piano 1	1 - 8	E	- 32194	11168 6	0.03	0.12	1.00	3583	3583	13886	25.8	0.0	42825	0.01	0.19	2.00	338	338	8143	4.2	0.0
Piano 1	1 - 8	E	- 30991	11168 6	0.03	0.12	1.00	3583	3583	13684	26.2	0.0	42825	0.01	0.18	2.00	374	374	7893	4.7	0.0
Piano 1	1 - 8	E	- 29788	11168 6	0.03	0.12	1.00	3583	3583	13479	26.6	0.0	42825	0.01	0.18	2.00	410	410	7639	5.4	0.0
Piano 1	1 - 7	E	- 46590	23759 5	0.03	0.13	1.00	7623	7623	31054	24.5	0.0	70355	0.01	0.17	2.00	744	744	12045	6.2	0.0
Piano 1	2 - 5	E	- 20715 8	17716 02	0.03	0.07	1.00	52234	52234	12124 3	43.1	0.0	32623 2	0.01	0.14	2.00	3682	3682	44503	8.3	0.0
Piano 1	3 - 4	E	- 22667	11858 3	0.03	0.11	1.00	3346	3346	12921	25.9	0.0	44354	0.01	0.14	2.00	351	351	6074	5.8	0.0
Piano 1	3 - 4	E	- 15864 7	15388 80	0.03	0.09	1.00	43423	43423	14242 3	30.5	0.0	37930 5	0.01	0.11	2.00	4049	4049	43438	9.3	0.0
Piano 1	3 - 4	E	- 23018	24454 8	0.03	0.10	1.00	6900	6900	24834	27.8	0.0	71884	0.01	0.09	2.00	978	978	6444	15.2	0.0
Piano 1	3 - 4	E	- 13917	13862 8	0.03	0.08	2.00	3912	3912	10431	37.5	0.0	48759	0.01	0.08	2.00	714	714	3926	18.2	0.0
Piano 1	6 - 4	E	- 86929	84068 1	0.02	0.07	1.00	12630	12630	55302	22.8	0.0	20901 7	0.03	0.11	2.00	6379	6379	22878	27.9	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	5 - 4	E	-8213	61299	0.02	0.07	2.00	921	921	4219	21.8	0.0	28193	0.03	0.08	2.00	804	804	2252	35.7	0.0
Piano 1	8 - 6	E	- 42000	22840 1	0.03	0.13	1.00	7328	7328	29338	25.0	0.0	68336	0.01	0.16	2.00	819	819	10984	7.5	0.0
Piano 1	7 - 6	E	- 24908	11168 6	0.03	0.11	1.00	3583	3583	12613	28.4	0.0	42825	0.01	0.15	2.00	556	556	6565	8.5	0.0
Piano 1	7 - 6	E	- 23705	11168 6	0.03	0.11	1.00	3583	3583	12390	28.9	0.0	42825	0.01	0.15	2.00	592	592	6290	9.4	0.0
Piano 1	7 - 6	E	- 23450	11996 7	0.03	0.11	1.00	3849	3849	13225	29.1	0.0	44660	0.01	0.14	2.00	655	655	6264	10.5	0.0
Piano 1	7 - 10	E	- 77027	57445 0	0.01	0.07	1.00	6852	6852	42036	16.3	0.0	10798 6	0.03	0.15	2.00	3323	3323	16214	20.5	0.0
Piano 1	8 - 9	E	- 83097	57445 0	0.01	0.08	1.00	6128	6128	43351	14.1	0.0	10798 6	0.03	0.16	2.00	3323	3323	17233	19.3	0.0
Piano 2	1 - 2	P	-7597	375	0.09	1.27	4.83	35	35	475	7.4	0.0	694	1.46	0.94	4.83	653	653	653	100.0	13.4
Piano 2	1 - 2	P	- 64492	91214	0.09	0.23	4.83	8523	8523	20600	41.4	0.0	6160	1.47	0.91	4.83	5623	5623	5623	100.0	14.2
Piano 2	1 - 3	P	- 20374	8358	0.09	0.47	4.83	781	781	3920	19.9	0.0	2070	1.48	0.87	4.83	1807	1807	1807	100.0	15.4
Piano 2	1 - 8	P	- 23066	6343	1.46	0.91	4.83	2900	3089	2900	100.0	14.0	2116	0.09	1.24	4.83	151	151	2045	7.4	0.0
Piano 2	1 - 8	P	- 14457	1888	1.46	1.25	4.83	1234	1443	1234	100.0	5.9	1375	0.08	1.19	4.83	93	93	1306	7.1	0.0
Piano 2	1 - 8	P	- 13957	1888	1.46	1.22	4.83	1203	1443	1203	100.0	6.7	1375	0.08	1.16	4.83	86	86	1272	6.8	0.0
Piano 2	1 - 7	P	- 40974	36218	1.46	0.55	4.83	10035	10317	10035	100.0	21.3	4232	0.07	1.16	4.83	222	222	3679	6.0	0.0
Piano 2	2 - 3	P	- 10031	1313	0.09	0.77	4.83	123	123	1005	12.2	0.0	1065	1.49	0.85	4.83	900	900	900	100.0	16.1
Piano 2	2 - 9	P	- 19369	8770	1.48	0.63	4.83	2813	2841	2813	100.0	20.3	1655	0.09	1.11	4.83	117	117	1435	8.2	0.0
Piano 2	2 - 9	C	- 45145	65867	1.93	0.35	2.41	11428	11854	11428	100.0	100.0	4086	0.08	1.13	2.41	235	235	3265	7.2	0.0
Piano 2	2 - 10	P	- 25942	24333	1.48	0.47	4.83	5756	5830	5756	100.0	23.2	2509	0.07	1.06	4.83	135	135	1999	6.7	0.0
Piano 2	3 - 4	P	- 21419	8212	1.49	0.74	4.83	3096	3127	3096	100.0	18.3	2328	0.09	1.09	4.83	166	166	1980	8.4	0.0
Piano 2	3 - 4	P	- 29748	21825	1.49	0.56	4.83	6194	6403	6194	100.0	21.8	3407	0.08	1.06	4.83	216	216	2770	7.8	0.0
Piano 2	3 - 4	P	- 30240	26289	1.49	0.52	4.83	6878	6923	6878	100.0	22.5	3682	0.07	1.03	4.83	207	207	2866	7.2	0.0
Piano 2	3 - 4	P	- 15302	5043	1.49	0.76	4.83	1926	2021	1926	100.0	17.9	1947	0.07	0.97	4.83	103	103	1471	7.0	0.0
Piano 2	3 - 4	P	- 14260	4599	1.49	0.75	4.83	1761	1864	1761	100.0	18.0	1883	0.06	0.93	4.83	93	93	1384	6.7	0.0
Piano 2	3 - 4	P	- 26739	26647	1.49	0.47	4.83	6420	6443	6420	100.0	23.3	3703	0.06	0.94	4.83	159	159	2655	6.0	0.0
Piano 2	3 - 4	P	- 22969	22156	1.49	0.47	4.83	5285	5372	5285	100.0	23.4	3428	0.05	0.89	4.83	125	125	2344	5.3	0.0
Piano 2	3 - 4	P	- 16629	11862	1.49	0.51	4.83	3081	3131	3081	100.0	22.6	2675	0.04	0.83	4.83	81	81	1729	4.7	0.0
Piano 2	6 - 4	P	- 13766	8544	0.04	0.35	4.83	313	336	2979	10.5	0.0	2087	1.48	0.65	4.83	1362	1362	1362	100.0	19.8
Piano 2	5 - 4	P	-8084	2366	0.04	0.47	4.83	87	93	1119	7.8	0.0	1308	1.49	0.62	4.83	816	816	816	100.0	20.5
Piano 2	6 - 5	P	- 64963	15884 6	0.04	0.22	4.83	5824	6243	34865	16.7	0.0	8849	1.47	0.70	4.83	6233	6233	6233	100.0	18.5
Piano 2	9 - 5	C	- 42081	74493	1.93	0.31	2.41	11703	13518	11703	100.0	100.0	4380	0.06	1.07	2.41	185	185	3289	5.6	0.0
Piano 2	10 - 5	P	- 17911	14361	1.48	0.48	4.83	3460	3512	3460	100.0	23.0	2010	0.05	0.96	4.83	77	77	1479	5.2	0.0
Piano 2	10 - 5	C	- 29868	52381	1.93	0.36	2.41	9383	9499	9383	100.0	100.0	3613	0.04	0.98	2.41	107	107	2551	4.2	0.0
Piano 2	8 - 6	P	- 36529	32020	1.46	0.53	4.83	8705	8822	8705	100.0	21.5	4008	0.06	1.11	4.83	182	182	3348	5.4	0.0
Piano 2	7 - 6	P	- 11907	1888	1.46	1.08	4.83	1064	1443	1064	100.0	10.2	1375	0.05	1.02	4.83	57	57	1125	5.1	0.0
Piano 2	7 - 6	P	- 11407	1888	1.46	1.04	4.83	1028	1443	1028	100.0	11.1	1375	0.05	0.99	4.83	50	50	1087	4.6	0.0
Piano 2	7 - 6	P	- 18379	8212	1.46	0.66	4.83	2764	2882	2764	100.0	19.2	2328	0.04	0.97	4.83	71	71	1768	4.0	0.0
Piano 2	7 - 10	P	-5707	341	0.06	1.11	4.83	21	21	377	5.4	0.0	526	1.46	0.90	4.83	472	472	472	100.0	14.3
Piano 2	7 - 10	P	- 71570	15559 6	0.06	0.23	4.83	9365	9365	35282	26.5	0.0	7072	1.47	0.85	4.83	6019	6019	6019	100.0	15.6
Piano 2	8 - 9	P	- 99436	21608 3	0.07	0.22	4.83	15067	15067	46888	32.1	0.0	9109	1.47	0.90	4.83	8205	8205	8205	100.0	14.5
Piano 3	1 - 2	E	- 34506	18644 5	0.02	0.13	1.93	4456	4456	24837	17.9	0.0	9902	0.12	0.36	3.87	1227	1227	3608	34.0	0.0
Piano 3	1 - 3	E	-9761	24656	0.02	0.15	3.87	589	589	3682	16.0	0.0	2974	0.12	0.35	3.87	369	369	1027	35.9	0.0
Piano 3	1 - 8	E	- 10554	18535	0.12	0.18	3.87	2294	2294	3311	69.3	0.0	2946	0.02	0.39	3.87	70	70	1137	6.2	0.0
Piano 3	1 - 8	E	-7909	9389	0.12	0.20	3.87	1162	1162	1897	61.3	0.0	2249	0.02	0.38	3.87	53	53	853	6.3	0.0
Piano 3	1 - 8	E	-8002	10140	0.12	0.20	3.87	1255	1255	1979	63.4	0.0	2316	0.02	0.37	3.87	55	55	865	6.3	0.0
Piano 3	1 - 7	E	- 17161	60344	0.12	0.15	3.87	7470	7470	9330	80.1	0.0	5082	0.02	0.37	3.87	119	119	1858	6.4	0.0
Piano 3	2 - 3	E	-5694	7185	0.02	0.18	3.87	172	172	1302	13.2	0.0	1796	0.12	0.33	3.87	223	223	601	37.1	0.0
Piano 3	2 - 9	E	- 23567	12986 6	0.12	0.14	1.93	16122	16122	17805	90.5	0.0	5820	0.02	0.38	3.87	138	138	2208	6.3	0.0
Piano 3	2 - 10	E	- 21174	11922 6	0.12	0.14	1.93	14801	14801	16464	89.9	0.0	5467	0.02	0.36	3.87	129	129	1993	6.5	0.0
Piano 3	3 - 4	E	-8976	17522	0.12	0.16	3.87	2178	2178	2780	78.4	0.0	2878	0.02	0.34	3.87	69	69	977	7.0	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	3 - 4	E	- 13538	46541	0.12	0.14	3.87	5786	5786	6496	89.1	0.0	4453	0.02	0.33	3.87	106	106	1476	7.2	0.0
Piano 3	3 - 4	E	- 23937	13367 0	0.12	0.16	3.87	16618	16618	21106	78.7	0.0	8163	0.02	0.32	3.87	192	192	2616	7.3	0.0
Piano 3	3 - 4	E	- 23118	13584 9	0.12	0.15	3.87	16889	16889	20668	81.7	0.0	8253	0.02	0.31	3.87	192	192	2534	7.6	0.0
Piano 3	3 - 4	E	- 11989	46541	0.12	0.12	3.87	5786	5786	5796	99.8	0.0	4453	0.02	0.30	3.87	103	103	1317	7.8	0.0
Piano 3	3 - 4	E	-8833	25665	0.12	0.13	3.87	3191	3191	3250	98.2	0.0	3382	0.02	0.29	3.87	78	78	972	8.0	0.0
Piano 3	6 - 4	E	- 44039	31192 9	0.02	0.12	1.93	7137	7137	35942	19.9	0.0	15348	0.12	0.31	3.87	1903	1903	4696	40.5	0.0
Piano 3	5 - 4	E	-4991	8399	0.02	0.15	3.87	192	192	1232	15.6	0.0	1907	0.12	0.28	3.87	237	237	536	44.2	0.0
Piano 3	10 - 5	E	- 34748	24512 1	0.12	0.12	1.93	28541	28541	28541	100.0	0.4	9757	0.02	0.34	3.87	225	225	3296	6.8	0.0
Piano 3	8 - 6	E	- 17297	64629	0.12	0.15	3.87	8001	8001	9773	81.9	0.0	5271	0.02	0.36	3.87	123	123	1876	6.5	0.0
Piano 3	7 - 6	E	-7202	9389	0.12	0.19	3.87	1162	1162	1739	66.8	0.0	2249	0.02	0.35	3.87	52	52	783	6.7	0.0
Piano 3	7 - 6	E	-7063	9389	0.12	0.18	3.87	1162	1162	1708	68.1	0.0	2249	0.02	0.34	3.87	52	52	768	6.7	0.0
Piano 3	7 - 6	E	-9334	19925	0.12	0.15	3.87	2466	2466	3051	80.8	0.0	3036	0.02	0.34	3.87	70	70	1017	6.8	0.0
Piano 3	7 - 10	E	- 29613	17959 5	0.02	0.13	1.93	4185	4185	22729	18.4	0.0	7494	0.12	0.37	3.87	929	929	2782	33.4	0.0
Piano 3	7 - 10	E	-1776	394	0.02	0.39	3.87	9	9	152	6.0	0.0	475	0.12	0.35	3.87	59	59	168	35.1	0.0
Piano 3	8 - 9	E	- 30483	17959 5	0.02	0.13	1.93	4216	4216	22963	18.4	0.0	7494	0.12	0.38	3.87	929	929	2855	32.5	0.0
Piano 3	8 - 9	E	-1832	394	0.02	0.40	3.87	9	9	156	5.9	0.0	475	0.12	0.36	3.87	59	59	172	34.2	0.0
Piano 3	9 - 10	E	-5400	8834	0.12	0.16	3.87	1097	1097	1407	77.9	0.0	1444	0.02	0.35	3.87	34	34	510	6.6	0.0

**Cond\_Y\_1(+); E(+); S2(+)** : 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
**Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 50726	53848 1	0.05	0.06	1.00	25467	25467	34648	73.5	0.0	13670 3	0.01	0.10	2.00	1499	1499	13551	11.1	0.0
Piano 1	1 - 3	E	- 50292	38413 5	0.05	0.07	1.00	18167	18167	28581	63.6	0.0	10050 8	0.01	0.13	2.00	961	961	12860	7.5	0.0
Piano 1	1 - 8	E	- 13249	11168 6	0.01	0.08	2.00	1308	1308	8675	15.1	0.0	42825	0.05	0.09	2.00	2036	2036	3718	54.8	0.0
Piano 1	1 - 8	E	- 13926	11168 6	0.01	0.08	2.00	1308	1308	9087	14.4	0.0	42825	0.05	0.09	2.00	2061	2061	3894	52.9	0.0
Piano 1	1 - 8	E	- 14604	11168 6	0.01	0.09	2.00	1308	1308	9495	13.8	0.0	42825	0.05	0.10	2.00	2086	2086	4069	51.3	0.0
Piano 1	1 - 7	E	- 25313	23759 5	0.01	0.11	1.00	2783	2783	25180	11.1	0.0	70355	0.05	0.10	2.00	3477	3477	7024	49.5	0.0
Piano 1	2 - 5	E	- 23517 7	17716 02	0.01	0.07	1.00	17514	17514	12753 7	13.7	0.0	32623 2	0.05	0.15	2.00	16286	16286	49406	33.0	0.0
Piano 1	3 - 4	E	- 24800	11858 3	0.01	0.11	1.00	1067	1067	13339	8.0	0.0	44354	0.05	0.15	2.00	2109	2109	6572	32.1	0.0
Piano 1	3 - 4	E	- 23189 5	15388 80	0.01	0.11	1.00	13843	13843	16252 8	8.5	0.0	37930 5	0.05	0.16	2.00	18773	18773	60695	30.9	0.0
Piano 1	3 - 4	E	- 47916	24454 8	0.01	0.13	1.00	2200	2200	31807	6.9	0.0	71884	0.05	0.17	2.00	3706	3706	12376	29.9	0.0
Piano 1	3 - 4	E	- 33456	13862 8	0.01	0.13	1.00	1247	1247	17384	7.2	0.0	48759	0.05	0.18	2.00	2549	2549	8600	29.6	0.0
Piano 1	6 - 4	E	- 11383 2	84068 1	0.05	0.07	1.00	44179	44179	61493	71.8	0.0	20901 7	0.01	0.14	2.00	2219	2219	28661	7.7	0.0
Piano 1	5 - 4	E	- 19000	61299	0.05	0.10	1.00	3221	3221	6037	53.4	0.0	28193	0.01	0.16	2.00	260	260	4566	5.7	0.0
Piano 1	8 - 6	E	- 26418	22840 1	0.01	0.11	1.00	2675	2675	25015	10.7	0.0	68336	0.05	0.11	2.00	3445	3445	7286	47.3	0.0
Piano 1	7 - 6	E	- 17351	11168 6	0.01	0.10	2.00	1308	1308	11119	11.8	0.0	42825	0.05	0.11	2.00	2189	2189	4765	45.9	0.0
Piano 1	7 - 6	E	- 18028	11168 6	0.01	0.10	1.00	1308	1308	11280	11.6	0.0	42825	0.05	0.12	2.00	2214	2214	4933	44.9	0.0
Piano 1	7 - 6	E	- 19516	11996 7	0.01	0.10	1.00	1405	1405	12420	11.3	0.0	44660	0.05	0.12	2.00	2336	2336	5321	43.9	0.0
Piano 1	7 - 10	E	- 67598	57445 0	0.05	0.07	1.00	28937	28937	39908	72.5	0.0	10798 6	0.01	0.13	2.00	1165	1165	14556	8.0	0.0
Piano 1	8 - 9	E	- 64181	57445 0	0.05	0.07	1.00	28429	28429	39108	72.7	0.0	10798 6	0.01	0.13	2.00	1165	1165	13933	8.4	0.0
Piano 2	1 - 2	C	-4553	375	0.00	0.00	0.00	0	201	0	100.0	100.0	694	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	1 - 2	C	- 46876	91214	2.41	0.29	2.41	13424	13884	13424	100.0	100.0	6160	0.13	0.97	2.41	551	551	4133	13.3	0.0
Piano 2	1 - 3	C	- 18619	8358	4.83	0.62	4.83	2658	2663	2658	100.0	100.0	2070	0.07	0.97	4.83	115	115	1572	7.3	0.0
Piano 2	1 - 8	C	- 13568	6343	0.18	0.41	4.83	1146	1146	2586	44.3	0.0	2116	4.83	0.67	4.83	1422	1422	1422	100.0	100.0
Piano 2	1 - 8	C	-8870	1888	0.18	0.58	4.83	341	341	1101	31.0	0.0	1375	4.83	0.68	4.83	932	932	932	100.0	100.0
Piano 2	1 - 8	C	-8917	1888	0.18	0.59	4.83	341	341	1105	30.9	0.0	1375	4.83	0.68	4.83	935	935	935	100.0	100.0
Piano 2	1 - 7	C	- 27624	36218	0.18	0.29	4.83	6546	6546	10547	62.1	0.0	4232	4.83	0.69	4.83	2900	2900	2900	100.0	100.0
Piano 2	2 - 3	C	- 10586	1313	4.83	0.99	4.83	878	923	878	100.0	100.0	1065	0.03	0.97	4.83	29	29	899	3.2	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	2 - 9	C	- 17727	8770	0.07	0.42	4.83	655	655	3704	17.7	0.0	1655	4.83	0.89	4.83	1470	1470	1470	100.0	100.0
Piano 2	2 - 9	C	- 44007	65867	0.07	0.21	4.83	4923	4923	13941	35.3	0.0	4086	4.83	0.89	4.83	3643	3643	3643	100.0	100.0
Piano 2	2 - 10	C	- 27196	24333	0.07	0.35	4.83	1819	1819	8579	21.2	0.0	2509	4.83	0.89	4.83	2246	2246	2246	100.0	100.0
Piano 2	3 - 4	C	- 23611	8212	0.02	0.55	4.83	188	343	4511	4.2	0.0	2328	4.83	0.97	4.83	2256	2256	2256	100.0	100.0
Piano 2	3 - 4	C	- 34709	21825	0.02	0.44	4.83	499	912	9698	5.1	0.0	3407	4.83	0.97	4.83	3313	3313	3313	100.0	100.0
Piano 2	3 - 4	C	- 37693	26289	0.02	0.43	4.83	601	1099	11370	5.3	0.0	3682	4.83	0.98	4.83	3594	3594	3594	100.0	100.0
Piano 2	3 - 4	C	- 19995	5043	0.02	0.63	4.83	115	211	3181	3.6	0.0	1947	4.83	0.98	4.83	1902	1902	1902	100.0	100.0
Piano 2	3 - 4	C	- 19394	4599	0.02	0.65	4.83	105	192	2983	3.5	0.0	1883	4.83	0.98	4.83	1843	1843	1843	100.0	100.0
Piano 2	3 - 4	C	- 38258	26647	0.02	0.43	4.83	609	1114	11562	5.3	0.0	3703	4.83	0.98	4.83	3634	3634	3634	100.0	100.0
Piano 2	3 - 4	C	- 35585	22156	0.02	0.45	4.83	507	926	9924	5.1	0.0	3428	4.83	0.98	4.83	3369	3369	3369	100.0	100.0
Piano 2	3 - 4	C	- 27887	11862	0.02	0.51	4.83	271	496	6061	4.5	0.0	2675	4.83	0.99	4.83	2637	2637	2637	100.0	100.0
Piano 2	6 - 4	C	- 19421	8544	4.83	0.62	4.83	2742	2847	2742	100.0	100.0	2087	0.07	0.98	4.83	116	116	1605	7.2	0.0
Piano 2	5 - 4	C	- 13371	2366	4.83	0.96	4.83	1179	1215	1179	100.0	100.0	1308	0.03	1.04	4.83	33	33	1081	3.1	0.0
Piano 2	6 - 5	C	- 67761	15884 6	2.41	0.24	2.41	18903	19240	18903	100.0	100.0	8849	0.14	1.02	2.41	800	800	5799	13.8	0.0
Piano 2	9 - 5	C	- 47775	74493	0.07	0.21	4.83	5567	5567	15546	35.8	0.0	4380	4.83	0.90	4.83	3937	3937	3937	100.0	100.0
Piano 2	10 - 5	C	- 22057	14361	0.07	0.39	4.83	1073	1073	5547	19.3	0.0	2010	4.83	0.90	4.83	1813	1813	1813	100.0	100.0
Piano 2	10 - 5	C	- 39865	52381	0.07	0.24	4.83	3915	3915	12427	31.5	0.0	3613	4.83	0.90	4.83	3267	3267	3267	100.0	100.0
Piano 2	8 - 6	C	- 26375	32020	0.18	0.30	4.83	5787	5787	9538	60.7	0.0	4008	4.83	0.69	4.83	2770	2770	2770	100.0	100.0
Piano 2	7 - 6	C	-9111	1888	0.18	0.60	4.83	341	341	1131	30.2	0.0	1375	4.83	0.70	4.83	957	957	957	100.0	100.0
Piano 2	7 - 6	C	-9159	1888	0.18	0.60	4.83	341	341	1138	30.0	0.0	1375	4.83	0.70	4.83	963	963	963	100.0	100.0
Piano 2	7 - 6	C	- 15587	8212	0.18	0.40	4.83	1484	1484	3269	45.4	0.0	2328	4.83	0.70	4.83	1635	1635	1635	100.0	100.0
Piano 2	7 - 10	C	-4253	341	0.00	0.00	0.00	0	211	0	100.0	100.0	526	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	7 - 10	C	- 68762	15559 6	2.41	0.25	2.41	19101	19168	19101	100.0	100.0	7072	0.12	1.15	2.41	524	524	5152	10.2	0.0
Piano 2	8 - 9	C	- 85149	21608 3	2.41	0.27	2.41	29003	29185	29003	100.0	100.0	9109	0.13	1.16	2.41	702	702	6409	11.0	0.0
Piano 3	1 - 2	E	- 29770	18644 5	0.11	0.13	1.93	19607	19607	23566	83.2	0.0	9902	0.02	0.32	3.87	164	164	3161	5.2	0.0
Piano 3	1 - 3	E	-9368	24656	0.11	0.14	3.87	2593	2593	3549	73.1	0.0	2974	0.01	0.33	3.87	42	42	990	4.2	0.0
Piano 3	1 - 8	E	-8604	18535	0.02	0.15	3.87	334	334	2738	12.2	0.0	2946	0.11	0.32	3.87	311	311	941	33.1	0.0
Piano 3	1 - 8	E	-6564	9389	0.02	0.17	3.87	169	169	1595	10.6	0.0	2249	0.11	0.32	3.87	240	240	718	33.5	0.0
Piano 3	1 - 8	E	-6757	10140	0.02	0.17	3.87	183	183	1691	10.8	0.0	2316	0.11	0.32	3.87	250	250	739	33.9	0.0
Piano 3	1 - 7	E	- 14815	60344	0.02	0.13	3.87	1087	1087	8136	13.4	0.0	5082	0.11	0.32	3.87	557	557	1620	34.4	0.0
Piano 3	2 - 3	E	-5799	7185	0.11	0.18	3.87	756	756	1323	57.1	0.0	1796	0.01	0.34	3.87	23	23	611	3.8	0.0
Piano 3	2 - 9	E	- 22899	12986 6	0.01	0.14	1.93	1852	1852	17624	10.5	0.0	5820	0.11	0.37	3.87	619	619	2152	28.8	0.0
Piano 3	2 - 10	E	- 21484	11922 6	0.01	0.14	1.93	1700	1700	16548	10.3	0.0	5467	0.11	0.37	3.87	597	597	2019	29.5	0.0
Piano 3	3 - 4	E	-9351	17522	0.01	0.16	3.87	218	218	2887	7.5	0.0	2878	0.11	0.35	3.87	304	304	1015	29.9	0.0
Piano 3	3 - 4	E	- 14456	46541	0.01	0.15	3.87	578	578	6905	8.4	0.0	4453	0.11	0.35	3.87	477	477	1569	30.4	0.0
Piano 3	3 - 4	E	- 26480	13367 0	0.01	0.17	3.87	1660	1660	23190	7.2	0.0	8163	0.11	0.35	3.87	891	891	2875	31.0	0.0
Piano 3	3 - 4	E	- 26743	13584 9	0.01	0.17	3.87	1687	1687	23680	7.1	0.0	8253	0.11	0.35	3.87	922	922	2904	31.8	0.0
Piano 3	3 - 4	E	- 14415	46541	0.01	0.15	3.87	578	578	6887	8.4	0.0	4453	0.11	0.35	3.87	507	507	1565	32.4	0.0
Piano 3	3 - 4	E	- 10943	25665	0.01	0.15	3.87	319	319	3971	8.0	0.0	3382	0.12	0.35	3.87	390	390	1188	32.9	0.0
Piano 3	6 - 4	E	- 46580	31192 9	0.12	0.12	1.93	36157	36157	36647	98.7	0.0	15348	0.02	0.32	3.87	243	243	4941	4.9	0.0
Piano 3	5 - 4	E	-6126	8399	0.12	0.18	3.87	974	974	1485	65.6	0.0	1907	0.01	0.34	3.87	24	24	646	3.8	0.0
Piano 3	10 - 5	E	- 38262	24512 1	0.01	0.12	1.93	3496	3496	29511	11.8	0.0	9757	0.11	0.37	3.87	1112	1112	3597	30.9	0.0
Piano 3	8 - 6	E	- 15353	64629	0.02	0.14	3.87	1164	1164	8745	13.3	0.0	5271	0.11	0.32	3.87	587	587	1679	35.0	0.0
Piano 3	7 - 6	E	-6545	9389	0.02	0.17	3.87	169	169	1591	10.6	0.0	2249	0.11	0.32	3.87	254	254	716	35.5	0.0
Piano 3	7 - 6	E	-6541	9389	0.02	0.17	3.87	169	169	1590	10.6	0.0	2249	0.11	0.32	3.87	257	257	715	35.9	0.0
Piano 3	7 - 6	E	-8826	19925	0.02	0.15	3.87	359	359	2896	12.4	0.0	3036	0.12	0.32	3.87	351	351	965	36.3	0.0
Piano 3	7 - 10	E	- 28205	17959 5	0.11	0.12	1.93	20017	20017	22344	89.6	0.0	7494	0.02	0.36	3.87	123	123	2662	4.6	0.0
Piano 3	7 - 10	E	-1857	394	0.11	0.40	3.87	44	44	158	27.7	0.0	475	0.01	0.37	3.87	7	7	175	3.9	0.0
Piano 3	8 - 9	E	- 28228	17959 5	0.11	0.12	1.93	19694	19694	22350	88.1	0.0	7494	0.02	0.36	3.87	123	123	2664	4.6	0.0



Piano 3	8 - 9	E	-1859	394	0.11	0.40	3.87	43	43	159	27.2	0.0	475	0.01	0.37	3.87	7	7	175	3.9	0.0
Piano 3	9 - 10	E	-5669	8834	0.01	0.17	3.87	126	126	1471	8.6	0.0	1444	0.11	0.37	3.87	161	161	533	30.1	0.0

**Cond\_Y 1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	-61675	538481	0.04	0.07	1.00	23070	23070	37322	61.8	0.0	136703	0.01	0.12	2.00	1032	1032	16039	6.4	0.0
Piano 1	1 - 3	E	-58118	384135	0.04	0.08	1.00	16458	16458	30299	54.3	0.0	100508	0.01	0.14	2.00	1086	1086	14460	7.5	0.0
Piano 1	1 - 8	E	-16411	111686	0.01	0.09	2.00	650	650	10569	6.2	0.0	42825	0.04	0.11	2.00	1859	1859	4530	41.0	0.0
Piano 1	1 - 8	E	-16326	111686	0.01	0.09	2.00	650	650	10519	6.2	0.0	42825	0.04	0.11	2.00	1918	1918	4508	42.5	0.0
Piano 1	1 - 8	E	-16240	111686	0.01	0.09	2.00	650	650	10469	6.2	0.0	42825	0.05	0.10	2.00	1976	1976	4487	44.0	0.0
Piano 1	1 - 7	E	-26514	237595	0.01	0.11	1.00	1384	1384	25547	5.4	0.0	70355	0.05	0.10	2.00	3361	3361	7329	45.9	0.0
Piano 1	2 - 5	E	-234736	1771602	0.01	0.07	1.00	17815	17815	127440	14.0	0.0	326232	0.05	0.15	2.00	15964	15964	49331	32.4	0.0
Piano 1	3 - 4	E	-27877	118583	0.01	0.12	1.00	1437	1438	13920	10.3	0.0	44354	0.04	0.16	2.00	1926	1926	7266	26.5	0.0
Piano 1	3 - 4	E	-235894	1538880	0.01	0.11	1.00	18650	18657	163554	11.4	0.0	379305	0.05	0.16	2.00	18184	18184	61586	29.5	0.0
Piano 1	3 - 4	E	-44205	244548	0.01	0.13	1.00	2964	2965	30868	9.6	0.0	71884	0.05	0.16	2.00	3789	3789	11560	32.8	0.0
Piano 1	3 - 4	E	-29864	138628	0.01	0.12	1.00	1680	1681	16663	10.1	0.0	48759	0.05	0.16	2.00	2652	2652	7814	33.9	0.0
Piano 1	6 - 4	E	-97268	840681	0.06	0.07	1.00	46258	46258	57760	80.1	0.0	209017	0.01	0.12	2.00	1749	1749	25173	6.9	0.0
Piano 1	5 - 4	E	-16703	61299	0.06	0.09	1.00	3373	3373	5723	58.9	0.0	28193	0.01	0.15	2.00	328	328	4135	7.9	0.0
Piano 1	8 - 6	E	-25522	228401	0.01	0.11	1.00	1330	1330	24744	5.4	0.0	68336	0.05	0.10	2.00	3423	3423	7060	48.5	0.0
Piano 1	7 - 6	E	-15894	111686	0.01	0.09	2.00	650	650	10264	6.3	0.0	42825	0.05	0.10	2.00	2214	2214	4399	50.3	0.0
Piano 1	7 - 6	E	-15809	111686	0.01	0.09	2.00	650	650	10214	6.4	0.0	42825	0.05	0.10	2.00	2272	2272	4377	51.9	0.0
Piano 1	7 - 6	E	-16396	119967	0.01	0.09	2.00	699	699	11052	6.3	0.0	44660	0.05	0.10	2.00	2431	2431	4542	53.5	0.0
Piano 1	7 - 10	E	-65698	574450	0.05	0.07	1.00	28711	28711	39465	72.8	0.0	107986	0.01	0.13	2.00	859	859	14211	6.0	0.0
Piano 1	8 - 9	E	-66129	574450	0.05	0.07	1.00	27532	27532	39566	69.6	0.0	107986	0.01	0.13	2.00	859	859	14290	6.0	0.0
Piano 2	1 - 2	C	-5051	375	0.00	0.00	0.00	0	219	0	100.0	100.0	694	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	1 - 2	C	-51244	91214	2.41	0.30	2.41	13806	14051	13806	100.0	100.0	6160	0.04	1.01	2.41	157	157	4307	3.6	0.0
Piano 2	1 - 3	C	-20064	8358	4.83	0.65	4.83	2778	2833	2778	100.0	100.0	2070	0.10	1.02	4.83	154	154	1643	9.4	0.0
Piano 2	1 - 8	C	-14984	6343	0.01	0.44	4.83	89	248	2792	3.2	0.0	2116	4.83	0.73	4.83	1536	1536	1536	100.0	100.0
Piano 2	1 - 8	C	-9564	1888	0.01	0.62	4.83	27	74	1165	2.3	0.0	1375	4.83	0.72	4.83	986	986	986	100.0	100.0
Piano 2	1 - 8	C	-9400	1888	0.01	0.61	4.83	27	74	1152	2.3	0.0	1375	4.83	0.71	4.83	975	975	975	100.0	100.0
Piano 2	1 - 7	C	-28278	36218	0.01	0.30	4.83	511	1416	10737	4.8	0.0	4232	4.83	0.70	4.83	2953	2953	2953	100.0	100.0
Piano 2	2 - 3	C	-11321	1313	4.83	0.88	4.83	1045	1085	1045	100.0	100.0	1065	0.14	0.94	4.83	139	139	970	14.3	0.0
Piano 2	2 - 9	C	-19000	8770	0.09	0.44	4.83	804	804	3898	20.6	0.0	1655	4.83	0.93	4.83	1547	1547	1547	100.0	100.0
Piano 2	2 - 9	C	-46025	65867	0.09	0.22	4.83	6036	6036	14201	42.5	0.0	4086	4.83	0.92	4.83	3763	3763	3763	100.0	100.0
Piano 2	2 - 10	C	-27682	24333	0.09	0.36	4.83	2230	2230	8643	25.8	0.0	2509	4.83	0.91	4.83	2275	2275	2275	100.0	100.0
Piano 2	3 - 4	C	-25091	8212	0.14	0.58	4.83	1177	1177	4736	24.9	0.0	2328	4.83	1.02	4.83	2368	2368	2368	100.0	100.0
Piano 2	3 - 4	C	-36199	21825	0.14	0.46	4.83	3129	3129	10029	31.2	0.0	3407	4.83	1.01	4.83	3426	3426	3426	100.0	100.0
Piano 2	3 - 4	C	-38496	26289	0.14	0.44	4.83	3769	3769	11543	32.7	0.0	3682	4.83	0.99	4.83	3649	3649	3649	100.0	100.0
Piano 2	3 - 4	C	-20129	5043	0.14	0.63	4.83	723	723	3199	22.6	0.0	1947	4.83	0.98	4.83	1912	1912	1912	100.0	100.0
Piano 2	3 - 4	C	-19295	4599	0.14	0.65	4.83	659	659	2971	22.2	0.0	1883	4.83	0.98	4.83	1836	1836	1836	100.0	100.0
Piano 2	3 - 4	C	-37514	26647	0.14	0.43	4.83	3820	3820	11364	33.6	0.0	3703	4.83	0.96	4.83	3572	3572	3572	100.0	100.0
Piano 2	3 - 4	C	-34143	22156	0.14	0.43	4.83	3176	3176	9591	33.1	0.0	3428	4.83	0.95	4.83	3256	3256	3256	100.0	100.0
Piano 2	3 - 4	C	-26216	11862	0.14	0.49	4.83	1701	1701	5754	29.6	0.0	2675	4.83	0.94	4.83	2504	2504	2504	100.0	100.0
Piano 2	6 - 4	C	-18015	8544	4.83	0.60	4.83	2628	2713	2628	100.0	100.0	2087	0.10	0.94	4.83	156	156	1538	10.1	0.0
Piano 2	5 - 4	C	-12480	2366	4.83	0.92	4.83	1130	1162	1130	100.0	100.0	1308	0.13	1.00	4.83	140	140	1036	13.5	0.0
Piano 2	6 - 5	C	-61920	158846	2.41	0.23	2.41	18508	19028	18508	100.0	100.0	8849	0.03	0.99	2.41	148	148	5624	2.6	0.0
Piano 2	9 - 5	C	-47271	74493	0.09	0.21	4.83	6826	6826	15474	44.1	0.0	4380	4.83	0.89	4.83	3905	3905	3905	100.0	100.0



## Relazione di calcolo - Comune di Terni

Piano 2	10 - 5	C	- 21234	14361	0.09	0.38	4.83	1316	1316	5395	24.4	0.0	2010	4.83	0.88	4.83	1763	1763	1763	100.0	100.0
Piano 2	10 - 5	C	- 37404	52381	0.09	0.23	4.83	4800	4800	12114	39.6	0.0	3613	4.83	0.86	4.83	3121	3121	3121	100.0	100.0
Piano 2	8 - 6	C	- 26034	32020	0.01	0.30	4.83	451	1252	9472	4.8	0.0	4008	4.83	0.69	4.83	2751	2751	2751	100.0	100.0
Piano 2	7 - 6	C	-8729	1888	0.01	0.58	4.83	27	74	1099	2.4	0.0	1375	4.83	0.68	4.83	930	930	930	100.0	100.0
Piano 2	7 - 6	C	-8565	1888	0.01	0.58	4.83	27	74	1087	2.4	0.0	1375	4.83	0.67	4.83	919	919	919	100.0	100.0
Piano 2	7 - 6	C	- 14191	8212	0.01	0.37	4.83	116	321	3073	3.8	0.0	2328	4.83	0.66	4.83	1536	1536	1536	100.0	100.0
Piano 2	7 - 10	C	-4199	341	4.83	1.29	4.83	227	229	227	100.0	100.0	526	0.01	0.84	4.83	3	3	355	0.9	0.0
Piano 2	7 - 10	C	- 67942	15559 6	2.41	0.24	2.41	19039	19275	19039	100.0	100.0	7072	0.05	1.14	2.41	224	224	5129	4.4	0.0
Piano 2	8 - 9	C	- 86637	21608 3	2.41	0.27	2.41	29147	29359	29147	100.0	100.0	9109	0.04	1.17	2.41	214	214	6450	3.3	0.0
Piano 3	1 - 2	E	- 30754	18644 5	0.11	0.13	1.93	20234	20234	23836	84.9	0.0	9902	0.01	0.33	3.87	132	132	3255	4.1	0.0
Piano 3	1 - 3	E	-9666	24656	0.11	0.15	3.87	2676	2676	3650	73.3	0.0	2974	0.01	0.34	3.87	43	43	1018	4.2	0.0
Piano 3	1 - 8	E	-8872	18535	0.01	0.15	3.87	236	236	2818	8.4	0.0	2946	0.11	0.33	3.87	320	320	968	33.1	0.0
Piano 3	1 - 8	E	-6717	9389	0.01	0.17	3.87	119	119	1630	7.3	0.0	2249	0.11	0.33	3.87	246	246	733	33.5	0.0
Piano 3	1 - 8	E	-6864	10140	0.01	0.17	3.87	129	129	1716	7.5	0.0	2316	0.11	0.32	3.87	254	254	750	33.9	0.0
Piano 3	1 - 7	E	- 14910	60344	0.01	0.14	3.87	767	767	8185	9.4	0.0	5082	0.11	0.32	3.87	561	561	1630	34.4	0.0
Piano 3	2 - 3	E	-5979	7185	0.11	0.19	3.87	780	780	1360	57.3	0.0	1796	0.01	0.35	3.87	27	27	628	4.3	0.0
Piano 3	2 - 9	E	- 23466	12986 6	0.01	0.14	1.93	1860	1860	17778	10.5	0.0	5820	0.11	0.38	3.87	635	635	2200	28.9	0.0
Piano 3	2 - 10	E	- 21679	11922 6	0.01	0.14	1.93	1708	1708	16601	10.3	0.0	5467	0.11	0.37	3.87	603	603	2036	29.6	0.0
Piano 3	3 - 4	E	-9618	17522	0.02	0.17	3.87	265	265	2964	8.9	0.0	2878	0.11	0.36	3.87	313	313	1042	30.0	0.0
Piano 3	3 - 4	E	- 14747	46541	0.02	0.15	3.87	704	704	7034	10.0	0.0	4453	0.11	0.36	3.87	487	487	1599	30.5	0.0
Piano 3	3 - 4	E	- 26702	13367 0	0.02	0.17	3.87	2021	2021	23370	8.6	0.0	8163	0.11	0.35	3.87	900	900	2897	31.1	0.0
Piano 3	3 - 4	E	- 26587	13584 9	0.02	0.17	3.87	2054	2054	23552	8.7	0.0	8253	0.11	0.35	3.87	919	919	2888	31.8	0.0
Piano 3	3 - 4	E	- 14161	46541	0.02	0.15	3.87	704	704	6774	10.4	0.0	4453	0.11	0.35	3.87	500	500	1540	32.5	0.0
Piano 3	3 - 4	E	- 10654	25665	0.02	0.15	3.87	388	388	3874	10.0	0.0	3382	0.11	0.34	3.87	382	382	1159	33.0	0.0
Piano 3	6 - 4	E	- 45120	31192 9	0.11	0.12	1.93	35295	35295	36243	97.4	0.0	15348	0.01	0.31	3.87	210	210	4800	4.4	0.0
Piano 3	5 - 4	E	-5946	8399	0.11	0.17	3.87	950	950	1445	65.7	0.0	1907	0.01	0.33	3.87	29	29	629	4.5	0.0
Piano 3	10 - 5	E	- 37540	24512 1	0.01	0.12	1.93	3511	3511	29315	12.0	0.0	9757	0.11	0.36	3.87	1096	1096	3536	31.0	0.0
Piano 3	8 - 6	E	- 15275	64629	0.01	0.13	3.87	822	822	8703	9.4	0.0	5271	0.11	0.32	3.87	586	586	1671	35.1	0.0
Piano 3	7 - 6	E	-6449	9389	0.01	0.17	3.87	119	119	1569	7.6	0.0	2249	0.11	0.31	3.87	252	252	706	35.6	0.0
Piano 3	7 - 6	E	-6397	9389	0.01	0.17	3.87	119	119	1557	7.7	0.0	2249	0.11	0.31	3.87	253	253	701	36.1	0.0
Piano 3	7 - 6	E	-8560	19925	0.01	0.14	3.87	253	253	2814	9.0	0.0	3036	0.11	0.31	3.87	343	343	938	36.6	0.0
Piano 3	7 - 10	E	- 28069	17959 5	0.11	0.12	1.93	19977	19977	22306	89.6	0.0	7494	0.01	0.35	3.87	100	100	2650	3.8	0.0
Piano 3	7 - 10	E	-1849	394	0.11	0.40	3.87	44	44	158	27.7	0.0	475	0.01	0.37	3.87	7	7	174	3.9	0.0
Piano 3	8 - 9	E	- 28397	17959 5	0.11	0.12	1.93	19838	19838	22397	88.6	0.0	7494	0.01	0.36	3.87	100	100	2678	3.7	0.0
Piano 3	8 - 9	E	-1870	394	0.11	0.41	3.87	43	43	159	27.3	0.0	475	0.01	0.37	3.87	7	7	176	3.8	0.0
Piano 3	9 - 10	E	-5653	8834	0.01	0.17	3.87	127	127	1467	8.6	0.0	1444	0.11	0.37	3.87	160	160	531	30.2	0.0

**Cond\_Y\_1(+); E(-); S2(+)** : 19) - Sisma Y (+); 0.3 \* Sisma X (+); **Distribuzione forze: Proporzionale masse;**  
**Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 50737	53848 1	0.06	0.06	1.00	30124	30124	34651	86.9	0.0	13670 3	0.01	0.10	2.00	1051	1051	13554	7.8	0.0
Piano 1	1 - 3	E	- 50286	38413 5	0.06	0.07	1.00	21490	21490	28580	75.2	0.0	10050 8	0.01	0.13	2.00	1069	1069	12858	8.3	0.0
Piano 1	1 - 8	E	- 13255	11168 6	0.01	0.08	2.00	686	686	8679	7.9	0.0	42825	0.06	0.09	2.00	2374	2374	3720	63.8	0.0
Piano 1	1 - 8	E	- 13933	11168 6	0.01	0.08	2.00	686	686	9091	7.5	0.0	42825	0.05	0.09	2.00	2321	2321	3896	59.6	0.0
Piano 1	1 - 8	E	- 14610	11168 6	0.01	0.09	2.00	686	686	9499	7.2	0.0	42825	0.05	0.10	2.00	2268	2268	4071	55.7	0.0
Piano 1	1 - 7	E	- 25324	23759 5	0.01	0.11	1.00	1458	1458	25183	5.8	0.0	70355	0.05	0.10	2.00	3623	3623	7027	51.6	0.0
Piano 1	2 - 5	E	- 23516 1	17716 02	0.01	0.07	1.00	17634	17634	12753 3	13.8	0.0	32623 2	0.05	0.15	2.00	16459	16459	49403	33.3	0.0
Piano 1	3 - 4	E	- 24795	11858 3	0.01	0.11	1.00	1401	1401	13338	10.5	0.0	44354	0.06	0.15	2.00	2458	2458	6571	37.4	0.0



# Relazione di calcolo - Comune di Terni

Piano 1	3 - 4	E	- 231847	1538880	0.01	0.11	1.00	18180	18180	162516	11.2	0.0	379305	0.05	0.16	2.00	19477	19477	60684	32.1	0.0
Piano 1	3 - 4	E	- 479068	244548	0.01	0.13	1.00	2889	2889	31805	9.1	0.0	71884	0.05	0.17	2.00	3382	3382	12374	27.3	0.0
Piano 1	3 - 4	E	- 33450	138628	0.01	0.13	1.00	1638	1638	17382	9.4	0.0	48759	0.05	0.18	2.00	2220	2220	8599	25.8	0.0
Piano 1	6 - 4	E	- 113839	840681	0.04	0.07	1.00	37798	37798	61494	61.5	0.0	209017	0.01	0.14	2.00	1762	1762	28662	6.1	0.0
Piano 1	5 - 4	E	- 18997	61299	0.04	0.10	1.00	2756	2756	6037	45.7	0.0	28193	0.01	0.16	2.00	321	321	4566	7.0	0.0
Piano 1	8 - 6	E	- 26429	228401	0.01	0.11	1.00	1402	1402	25018	5.6	0.0	68336	0.05	0.11	2.00	3377	3377	7289	46.3	0.0
Piano 1	7 - 6	E	- 17357	111686	0.01	0.10	2.00	686	686	11122	6.2	0.0	42825	0.05	0.11	2.00	2054	2054	4767	43.1	0.0
Piano 1	7 - 6	E	- 18035	111686	0.01	0.10	1.00	686	686	11281	6.1	0.0	42825	0.05	0.12	2.00	2001	2001	4935	40.6	0.0
Piano 1	7 - 6	E	- 19523	119967	0.01	0.10	1.00	736	736	12421	5.9	0.0	44660	0.05	0.12	2.00	2032	2032	5323	38.2	0.0
Piano 1	7 - 10	E	- 67606	574450	0.05	0.07	1.00	28440	28440	39909	71.3	0.0	107986	0.01	0.13	2.00	870	870	14558	6.0	0.0
Piano 1	8 - 9	E	- 64189	574450	0.05	0.07	1.00	29503	29503	39110	75.4	0.0	107986	0.01	0.13	2.00	870	870	13934	6.2	0.0
Piano 2	1 - 2	C	-4554	375	4.83	1.28	4.83	247	262	247	100.0	100.0	694	0.03	0.77	4.83	15	15	425	3.5	0.0
Piano 2	1 - 2	C	- 46879	91214	2.41	0.29	2.41	13494	14488	13494	100.0	100.0	6160	0.05	0.98	2.41	232	232	4166	5.6	0.0
Piano 2	1 - 3	C	- 18618	8358	4.83	0.62	4.83	2653	2684	2653	100.0	100.0	2070	0.09	0.97	4.83	146	146	1569	9.3	0.0
Piano 2	1 - 8	C	- 13570	6343	0.02	0.42	4.83	145	212	2636	5.5	0.0	2116	4.83	0.69	4.83	1450	1450	1450	100.0	100.0
Piano 2	1 - 8	C	-8871	1888	0.02	0.59	4.83	43	63	1117	3.9	0.0	1375	4.83	0.69	4.83	945	945	945	100.0	100.0
Piano 2	1 - 8	C	-8919	1888	0.02	0.59	4.83	43	63	1117	3.9	0.0	1375	4.83	0.69	4.83	945	945	945	100.0	100.0
Piano 2	1 - 7	C	- 27629	36218	0.02	0.29	4.83	827	1209	10581	7.8	0.0	4232	4.83	0.69	4.83	2910	2910	2910	100.0	100.0
Piano 2	2 - 3	C	- 10585	1313	4.83	1.14	4.83	775	922	775	100.0	100.0	1065	0.12	1.02	4.83	98	98	870	11.3	0.0
Piano 2	2 - 9	C	- 17726	8770	0.09	0.42	4.83	775	775	3701	21.0	0.0	1655	4.83	0.89	4.83	1469	1469	1469	100.0	100.0
Piano 2	2 - 9	C	- 44005	65867	0.09	0.21	4.83	5824	5824	13935	41.8	0.0	4086	4.83	0.89	4.83	3640	3640	3640	100.0	100.0
Piano 2	2 - 10	C	- 27195	24333	0.09	0.35	4.83	2152	2152	8574	25.1	0.0	2509	4.83	0.89	4.83	2245	2245	2245	100.0	100.0
Piano 2	3 - 4	C	- 23608	8212	0.12	0.55	4.83	990	990	4498	22.0	0.0	2328	4.83	0.97	4.83	2249	2249	2249	100.0	100.0
Piano 2	3 - 4	C	- 34706	21825	0.12	0.44	4.83	2630	2630	9667	27.2	0.0	3407	4.83	0.97	4.83	3302	3302	3302	100.0	100.0
Piano 2	3 - 4	C	- 37689	26289	0.12	0.43	4.83	3168	3168	11351	27.9	0.0	3682	4.83	0.97	4.83	3588	3588	3588	100.0	100.0
Piano 2	3 - 4	C	- 19993	5043	0.12	0.63	4.83	608	608	3181	19.1	0.0	1947	4.83	0.98	4.83	1902	1902	1902	100.0	100.0
Piano 2	3 - 4	C	- 19392	4599	0.12	0.65	4.83	554	554	2983	18.6	0.0	1883	4.83	0.98	4.83	1844	1844	1844	100.0	100.0
Piano 2	3 - 4	C	- 38254	26647	0.12	0.43	4.83	3211	3211	11562	27.8	0.0	3703	4.83	0.98	4.83	3634	3634	3634	100.0	100.0
Piano 2	3 - 4	C	- 35581	22156	0.12	0.45	2.41	2670	2670	9964	26.8	0.0	3428	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	3 - 4	C	- 27884	11862	0.12	0.51	4.83	1430	1430	6087	23.5	0.0	2675	4.83	0.99	4.83	2649	2649	2649	100.0	100.0
Piano 2	6 - 4	C	- 19420	8544	4.83	0.63	4.83	2755	2794	2755	100.0	100.0	2087	0.09	0.99	4.83	148	148	1612	9.2	0.0
Piano 2	5 - 4	C	- 13370	2366	4.83	0.74	4.83	1482	1484	1482	100.0	100.0	1308	0.11	0.93	4.83	142	142	1144	12.4	0.0
Piano 2	6 - 5	C	- 67766	158846	2.41	0.24	2.41	18827	18901	18827	100.0	100.0	8849	0.05	1.01	2.41	271	271	5766	4.7	0.0
Piano 2	9 - 5	C	- 47773	74493	0.09	0.21	4.83	6587	6587	15546	42.4	0.0	4380	4.83	0.90	4.83	3937	3937	3937	100.0	100.0
Piano 2	10 - 5	C	- 22056	14361	0.09	0.39	4.83	1270	1270	5556	22.9	0.0	2010	4.83	0.90	4.83	1816	1816	1816	100.0	100.0
Piano 2	10 - 5	C	- 39863	52381	0.09	0.24	4.83	4632	4632	12446	37.2	0.0	3613	4.83	0.91	4.83	3276	3276	3276	100.0	100.0
Piano 2	8 - 6	C	- 26380	32020	0.02	0.30	4.83	731	1069	9508	7.7	0.0	4008	4.83	0.69	4.83	2761	2761	2761	100.0	100.0
Piano 2	7 - 6	C	-9113	1888	0.02	0.60	4.83	43	63	1125	3.8	0.0	1375	4.83	0.69	4.83	952	952	952	100.0	100.0
Piano 2	7 - 6	C	-9160	1888	0.02	0.60	4.83	43	63	1125	3.8	0.0	1375	4.83	0.69	4.83	952	952	952	100.0	100.0
Piano 2	7 - 6	C	- 15589	8212	0.02	0.39	4.83	188	274	3235	5.8	0.0	2328	4.83	0.69	4.83	1618	1618	1618	100.0	100.0
Piano 2	7 - 10	C	-4254	341	0.00	0.00	0.00	0	219	0	100.0	100.0	526	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	7 - 10	C	- 68764	155596	2.41	0.25	2.41	19087	20680	19087	100.0	100.0	7072	0.06	1.15	2.41	281	281	5146	5.5	0.0
Piano 2	8 - 9	C	- 85153	216083	2.41	0.27	2.41	29002	30324	29002	100.0	100.0	9109	0.06	1.16	2.41	307	307	6408	4.8	0.0
Piano 3	1 - 2	E	- 29770	186445	0.12	0.13	1.93	23288	23288	23566	98.8	0.0	9902	0.01	0.32	3.87	78	78	3161	2.5	0.0
Piano 3	1 - 3	E	-9368	24656	0.12	0.14	3.87	3080	3080	3549	86.8	0.0	2974	0.01	0.33	3.87	44	44	990	4.5	0.0
Piano 3	1 - 8	E	-8603	18535	0.00	0.15	3.87	69	69	2738	2.5	0.0	2946	0.12	0.32	3.87	364	364	941	38.7	0.0
Piano 3	1 - 8	E	-6564	9389	0.00	0.17	3.87	35	35	1595	2.2	0.0	2249	0.12	0.32	3.87	270	270	718	37.6	0.0
Piano 3	1 - 8	E	-6757	10140	0.00	0.17	3.87	38	38	1691	2.2	0.0	2316	0.12	0.32	3.87	270	270	739	36.6	0.0



Piano 3	1 - 7	E	- 14815	60344	0.00	0.13	3.87	226	226	8136	2.8	0.0	5082	0.11	0.32	3.87	570	570	1620	35.2	0.0
Piano 3	2 - 3	E	-5799	7185	0.12	0.18	3.87	898	898	1323	67.8	0.0	1796	0.02	0.34	3.87	34	34	611	5.5	0.0
Piano 3	2 - 9	E	- 22899	12986 6	0.01	0.14	1.93	1873	1873	17624	10.6	0.0	5820	0.12	0.37	3.87	707	707	2152	32.8	0.0
Piano 3	2 - 10	E	- 21484	11922 6	0.01	0.14	1.93	1720	1720	16548	10.4	0.0	5467	0.11	0.37	3.87	621	621	2019	30.8	0.0
Piano 3	3 - 4	E	-9352	17522	0.02	0.16	3.87	345	345	2888	11.9	0.0	2878	0.12	0.35	3.87	356	356	1015	35.1	0.0
Piano 3	3 - 4	E	- 14456	46541	0.02	0.15	3.87	916	916	6905	13.3	0.0	4453	0.12	0.35	3.87	531	531	1569	33.9	0.0
Piano 3	3 - 4	E	- 26480	13367 0	0.02	0.17	3.87	2632	2632	23190	11.3	0.0	8163	0.11	0.35	3.87	926	926	2875	32.2	0.0
Piano 3	3 - 4	E	- 26743	13584 9	0.02	0.17	3.87	2675	2675	23681	11.3	0.0	8253	0.11	0.35	3.87	876	876	2904	30.2	0.0
Piano 3	3 - 4	E	- 14416	46541	0.02	0.15	3.87	916	916	6887	13.3	0.0	4453	0.10	0.35	3.87	446	446	1565	28.5	0.0
Piano 3	3 - 4	E	- 10943	25665	0.02	0.15	3.87	505	505	3971	12.7	0.0	3382	0.10	0.35	3.87	323	323	1188	27.2	0.0
Piano 3	6 - 4	E	- 46579	31192 9	0.09	0.12	1.93	29398	29398	36647	80.2	0.0	15348	0.01	0.32	3.87	153	153	4941	3.1	0.0
Piano 3	5 - 4	E	-6126	8399	0.09	0.18	3.87	792	792	1485	53.3	0.0	1907	0.02	0.34	3.87	36	36	646	5.5	0.0
Piano 3	10 - 5	E	- 38262	24512 1	0.01	0.12	1.93	3535	3535	29512	12.0	0.0	9757	0.10	0.37	3.87	974	974	3597	27.1	0.0
Piano 3	8 - 6	E	- 15352	64629	0.00	0.14	3.87	242	242	8745	2.8	0.0	5271	0.11	0.32	3.87	564	564	1679	33.6	0.0
Piano 3	7 - 6	E	-6545	9389	0.00	0.17	3.87	35	35	1591	2.2	0.0	2249	0.10	0.32	3.87	231	231	716	32.2	0.0
Piano 3	7 - 6	E	-6541	9389	0.00	0.17	3.87	35	35	1590	2.2	0.0	2249	0.10	0.32	3.87	223	223	715	31.2	0.0
Piano 3	7 - 6	E	-8825	19925	0.00	0.15	3.87	74	74	2896	2.6	0.0	3036	0.10	0.32	3.87	290	290	965	30.0	0.0
Piano 3	7 - 10	E	- 28205	17959 5	0.11	0.12	1.93	19210	19210	22344	86.0	0.0	7494	0.01	0.36	3.87	61	61	2662	2.3	0.0
Piano 3	7 - 10	E	-1857	394	0.11	0.40	3.87	42	42	158	26.6	0.0	475	0.01	0.37	3.87	7	7	175	3.8	0.0
Piano 3	8 - 9	E	- 28228	17959 5	0.11	0.12	1.93	20131	20131	22350	90.1	0.0	7494	0.01	0.36	3.87	61	61	2664	2.3	0.0
Piano 3	8 - 9	E	-1859	394	0.11	0.40	3.87	44	44	159	27.8	0.0	475	0.01	0.37	3.87	7	7	175	3.8	0.0
Piano 3	9 - 10	E	-5669	8834	0.01	0.17	3.87	127	127	1471	8.7	0.0	1444	0.11	0.37	3.87	156	156	533	29.2	0.0

**Cond\_Y\_1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,n</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,n</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,n</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,n</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,n</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,n</sub>
Piano 1	1 - 2	E	- 61653	53848 1	0.05	0.07	1.00	28536	28536	37317	76.5	0.0	13670 3	0.01	0.12	2.00	1614	1614	16034	10.1	0.0
Piano 1	1 - 3	E	- 58131	38413 5	0.05	0.08	1.00	20357	20357	30302	67.2	0.0	10050 8	0.01	0.14	2.00	964	964	14463	6.7	0.0
Piano 1	1 - 8	E	- 16398	11168 6	0.01	0.09	2.00	1449	1449	10562	13.7	0.0	42825	0.05	0.11	2.00	2253	2253	4526	49.8	0.0
Piano 1	1 - 8	E	- 16313	11168 6	0.01	0.09	2.00	1449	1449	10511	13.8	0.0	42825	0.05	0.11	2.00	2213	2213	4505	49.1	0.0
Piano 1	1 - 8	E	- 16227	11168 6	0.01	0.09	2.00	1449	1449	10461	13.9	0.0	42825	0.05	0.10	2.00	2173	2173	4483	48.5	0.0
Piano 1	1 - 7	E	- 26493	23759 5	0.01	0.11	1.00	3083	3083	25541	12.1	0.0	70355	0.05	0.10	2.00	3493	3493	7323	47.7	0.0
Piano 1	2 - 5	E	- 23476 8	17716 02	0.01	0.07	1.00	17891	17891	12744 7	14.0	0.0	32623 2	0.05	0.15	2.00	15937	15937	49336	32.3	0.0
Piano 1	3 - 4	E	- 27888	11858 3	0.01	0.12	1.00	1031	1031	13922	7.4	0.0	44354	0.05	0.16	2.00	2333	2333	7269	32.1	0.0
Piano 1	3 - 4	E	- 23599 1	15388 80	0.01	0.11	1.00	13382	13382	16357 9	8.2	0.0	37930 5	0.05	0.16	2.00	18787	18787	61607	30.5	0.0
Piano 1	3 - 4	E	- 44224	24454 8	0.01	0.13	1.00	2127	2127	30873	6.9	0.0	71884	0.05	0.16	2.00	3327	3327	11564	28.8	0.0
Piano 1	3 - 4	E	- 29877	13862 8	0.01	0.12	1.00	1205	1205	16665	7.2	0.0	48759	0.05	0.16	2.00	2201	2201	7817	28.2	0.0
Piano 1	6 - 4	E	- 97254	84068 1	0.04	0.07	1.00	37588	37588	57756	65.1	0.0	20901 7	0.01	0.12	2.00	2351	2351	25170	9.3	0.0
Piano 1	5 - 4	E	- 16709	61299	0.04	0.09	1.00	2741	2741	5724	47.9	0.0	28193	0.01	0.15	2.00	255	255	4136	6.2	0.0
Piano 1	8 - 6	E	- 25502	22840 1	0.01	0.11	1.00	2964	2964	24737	12.0	0.0	68336	0.05	0.10	2.00	3285	3285	7055	46.6	0.0
Piano 1	7 - 6	E	- 15881	11168 6	0.01	0.09	2.00	1449	1449	10257	14.1	0.0	42825	0.05	0.10	2.00	2012	2012	4396	45.8	0.0
Piano 1	7 - 6	E	- 15796	11168 6	0.01	0.09	2.00	1449	1449	10206	14.2	0.0	42825	0.05	0.10	2.00	1972	1972	4374	45.1	0.0
Piano 1	7 - 6	E	- 16383	11996 7	0.01	0.09	2.00	1557	1557	11044	14.1	0.0	44660	0.05	0.10	2.00	2015	2015	4539	44.4	0.0
Piano 1	7 - 10	E	- 65681	57445 0	0.05	0.07	1.00	27655	27655	39461	70.1	0.0	10798 6	0.01	0.13	2.00	1245	1245	14208	8.8	0.0
Piano 1	8 - 9	E	- 66112	57445 0	0.05	0.07	1.00	28456	28456	39562	71.9	0.0	10798 6	0.01	0.13	2.00	1245	1245	14287	8.7	0.0
Piano 2	1 - 2	C	-5050	375	0.00	0.00	0.00	0	240	0	100.0	100.0	694	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	1 - 2	C	- 51238	91214	2.41	0.30	2.41	13829	14687	13829	100.0	100.0	6160	0.11	1.02	2.41	455	455	4317	10.5	0.0
Piano 2	1 - 3	C	- 20065	8358	4.83	0.65	4.83	2765	2778	2765	100.0	100.0	2070	0.08	1.01	4.83	124	124	1635	7.6	0.0



## Relazione di calcolo - Comune di Terni

Piano 2	1 - 8	C	- 14979	6343	0.13	0.44	4.83	845	845	2820	30.0	0.0	2116	4.83	0.73	4.83	1551	1551	1551	100.0	100.0
Piano 2	1 - 8	C	-9560	1888	0.13	0.62	4.83	252	252	1174	21.4	0.0	1375	4.83	0.72	4.83	994	994	994	100.0	100.0
Piano 2	1 - 8	C	-9397	1888	0.13	0.61	4.83	252	252	1158	21.7	0.0	1375	4.83	0.71	4.83	980	980	980	100.0	100.0
Piano 2	1 - 7	C	- 28267	36218	0.13	0.30	4.83	4826	4826	10768	44.8	0.0	4232	4.83	0.70	4.83	2961	2961	2961	100.0	100.0
Piano 2	2 - 3	C	- 11323	1313	4.83	1.18	4.83	807	843	807	100.0	100.0	1065	0.06	1.07	4.83	48	48	906	5.3	0.0
Piano 2	2 - 9	C	- 19002	8770	0.08	0.44	4.83	692	692	3889	17.8	0.0	1655	4.83	0.93	4.83	1543	1543	1543	100.0	100.0
Piano 2	2 - 9	C	- 46029	65867	0.08	0.22	4.83	5195	5195	14189	36.6	0.0	4086	4.83	0.92	4.83	3758	3758	3758	100.0	100.0
Piano 2	2 - 10	C	- 27684	24333	0.08	0.36	4.83	1919	1919	8643	22.2	0.0	2509	4.83	0.91	4.83	2275	2275	2275	100.0	100.0
Piano 2	3 - 4	C	- 25096	8212	0.05	0.58	4.83	429	429	4727	9.1	0.0	2328	4.83	1.02	4.83	2363	2363	2363	100.0	100.0
Piano 2	3 - 4	C	- 36207	21825	0.05	0.46	4.83	1140	1140	10011	11.4	0.0	3407	4.83	1.00	4.83	3420	3420	3420	100.0	100.0
Piano 2	3 - 4	C	- 38505	26289	0.05	0.44	4.83	1374	1374	11544	11.9	0.0	3682	4.83	0.99	4.83	3649	3649	3649	100.0	100.0
Piano 2	3 - 4	C	- 20134	5043	0.05	0.63	4.83	263	263	3199	8.2	0.0	1947	4.83	0.98	4.83	1912	1912	1912	100.0	100.0
Piano 2	3 - 4	C	- 19300	4599	0.05	0.65	4.83	240	240	2972	8.1	0.0	1883	4.83	0.98	4.83	1836	1836	1836	100.0	100.0
Piano 2	3 - 4	C	- 37522	26647	0.05	0.43	4.83	1392	1392	11405	12.2	0.0	3703	4.83	0.97	4.83	3585	3585	3585	100.0	100.0
Piano 2	3 - 4	C	- 34151	22156	0.05	0.44	4.83	1158	1158	9641	12.0	0.0	3428	4.83	0.95	4.83	3273	3273	3273	100.0	100.0
Piano 2	3 - 4	C	- 26223	11862	0.05	0.49	4.83	620	620	5793	10.7	0.0	2675	4.83	0.94	4.83	2521	2521	2521	100.0	100.0
Piano 2	6 - 4	C	- 18017	8544	4.83	0.60	4.83	2633	2633	2633	100.0	100.0	2087	0.08	0.94	4.83	125	125	1541	8.1	0.0
Piano 2	5 - 4	C	- 12483	2366	4.83	0.83	4.83	1240	1270	1240	100.0	100.0	1308	0.06	0.95	4.83	63	63	1063	6.0	0.0
Piano 2	6 - 5	C	- 61909	15884 6	2.41	0.23	2.41	18339	18355	18339	100.0	100.0	8849	0.11	0.97	2.41	641	641	5548	11.6	0.0
Piano 2	9 - 5	C	- 47275	74493	0.08	0.21	4.83	5875	5875	15479	38.0	0.0	4380	4.83	0.89	4.83	3907	3907	3907	100.0	100.0
Piano 2	10 - 5	C	- 21236	14361	0.08	0.38	4.83	1133	1133	5401	21.0	0.0	2010	4.83	0.88	4.83	1765	1765	1765	100.0	100.0
Piano 2	10 - 5	C	- 37408	52381	0.08	0.23	4.83	4131	4131	12125	34.1	0.0	3613	4.83	0.87	4.83	3126	3126	3126	100.0	100.0
Piano 2	8 - 6	C	- 26024	32020	0.13	0.29	4.83	4267	4267	9411	45.3	0.0	4008	4.83	0.68	4.83	2733	2733	2733	100.0	100.0
Piano 2	7 - 6	C	-8725	1888	0.13	0.58	4.83	252	252	1088	23.1	0.0	1375	4.83	0.67	4.83	920	920	920	100.0	100.0
Piano 2	7 - 6	C	-8561	1888	0.13	0.57	4.83	252	252	1071	23.5	0.0	1375	4.83	0.66	4.83	906	906	906	100.0	100.0
Piano 2	7 - 6	C	- 14185	8212	0.13	0.37	4.83	1094	1094	3015	36.3	0.0	2328	4.83	0.65	4.83	1507	1507	1507	100.0	100.0
Piano 2	7 - 10	C	-4198	341	0.00	0.00	0.00	0	200	0	100.0	100.0	526	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	7 - 10	C	- 67938	15559 6	2.41	0.24	2.41	19021	20676	19021	100.0	100.0	7072	0.10	1.14	2.41	451	451	5123	8.8	0.0
Piano 2	8 - 9	C	- 86627	21608 3	2.41	0.27	2.41	29134	30454	29134	100.0	100.0	9109	0.11	1.17	2.41	583	583	6446	9.0	0.0
Piano 3	1 - 2	E	- 30754	18644 5	0.13	0.13	1.93	23836	23836	23836	100.0	0.0	9902	0.02	0.33	3.87	206	206	3255	6.3	0.0
Piano 3	1 - 3	E	-9666	24656	0.13	0.15	3.87	3161	3161	3650	86.6	0.0	2974	0.01	0.34	3.87	41	41	1018	4.0	0.0
Piano 3	1 - 8	E	-8872	18535	0.03	0.15	3.87	464	464	2818	16.5	0.0	2946	0.13	0.33	3.87	374	374	968	38.6	0.0
Piano 3	1 - 8	E	-6717	9389	0.03	0.17	3.87	235	235	1630	14.4	0.0	2249	0.12	0.33	3.87	277	277	733	37.8	0.0
Piano 3	1 - 8	E	-6864	10140	0.03	0.17	3.87	254	254	1716	14.8	0.0	2316	0.12	0.32	3.87	277	277	750	37.0	0.0
Piano 3	1 - 7	E	- 14910	60344	0.03	0.14	3.87	1511	1511	8185	18.5	0.0	5082	0.12	0.32	3.87	586	586	1630	36.0	0.0
Piano 3	2 - 3	E	-5979	7185	0.13	0.19	3.87	921	921	1360	67.7	0.0	1796	0.01	0.35	3.87	18	18	628	2.8	0.0
Piano 3	2 - 9	E	- 23466	12986 6	0.01	0.14	1.93	1842	1842	17778	10.4	0.0	5820	0.12	0.38	3.87	725	725	2200	33.0	0.0
Piano 3	2 - 10	E	- 21679	11922 6	0.01	0.14	1.93	1691	1691	16601	10.2	0.0	5467	0.12	0.37	3.87	638	638	2036	31.3	0.0
Piano 3	3 - 4	E	-9618	17522	0.01	0.17	3.87	155	155	2964	5.2	0.0	2878	0.13	0.36	3.87	365	365	1042	35.1	0.0
Piano 3	3 - 4	E	- 14747	46541	0.01	0.15	3.87	411	411	7034	5.8	0.0	4453	0.12	0.36	3.87	546	546	1599	34.1	0.0
Piano 3	3 - 4	E	- 26702	13367 0	0.01	0.17	3.87	1180	1180	23370	5.0	0.0	8163	0.12	0.35	3.87	951	951	2897	32.8	0.0
Piano 3	3 - 4	E	- 26587	13584 9	0.01	0.17	3.87	1199	1199	23551	5.1	0.0	8253	0.11	0.35	3.87	900	900	2888	31.2	0.0
Piano 3	3 - 4	E	- 14161	46541	0.01	0.15	3.87	411	411	6774	6.1	0.0	4453	0.10	0.35	3.87	458	458	1540	29.8	0.0
Piano 3	3 - 4	E	- 10654	25665	0.01	0.15	3.87	227	227	3874	5.8	0.0	3382	0.10	0.34	3.87	333	333	1159	28.7	0.0
Piano 3	6 - 4	E	- 45120	31192 9	0.10	0.12	1.93	30259	30259	36243	83.5	0.0	15348	0.02	0.31	3.87	287	287	4800	6.0	0.0
Piano 3	5 - 4	E	-5946	8399	0.10	0.17	3.87	815	815	1445	56.4	0.0	1907	0.01	0.33	3.87	19	19	629	3.0	0.0
Piano 3	10 - 5	E	- 37540	24512 1	0.01	0.12	1.93	3476	3476	29315	11.9	0.0	9757	0.10	0.36	3.87	1002	1002	3536	28.3	0.0
Piano 3	8 - 6	E	- 15275	64629	0.03	0.13	3.87	1619	1619	8703	18.6	0.0	5271	0.11	0.32	3.87	580	580	1671	34.7	0.0
Piano 3	7 - 6	E	-6449	9389	0.03	0.17	3.87	235	235	1569	15.0	0.0	2249	0.11	0.31	3.87	237	237	706	33.6	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	7 - 6	E	-6397	9389	0.03	0.17	3.87	235	235	1557	15.1	0.0	2249	0.10	0.31	3.87	229	229	701	32.8	0.0
Piano 3	7 - 6	E	-8560	19925	0.03	0.14	3.87	499	499	2814	17.7	0.0	3036	0.10	0.31	3.87	298	298	938	31.8	0.0
Piano 3	7 - 10	E	-28069	179595	0.11	0.12	1.93	19744	19744	22306	88.5	0.0	7494	0.02	0.35	3.87	154	154	2650	5.8	0.0
Piano 3	7 - 10	E	-1849	394	0.11	0.40	3.87	43	43	158	27.4	0.0	475	0.01	0.37	3.87	7	7	174	4.0	0.0
Piano 3	8 - 9	E	-28397	179595	0.12	0.12	1.93	20681	20681	22397	92.3	0.0	7494	0.02	0.36	3.87	154	154	2678	5.8	0.0
Piano 3	8 - 9	E	-1870	394	0.12	0.41	3.87	45	45	159	28.4	0.0	475	0.01	0.37	3.87	7	7	176	4.0	0.0
Piano 3	9 - 10	E	-5653	8834	0.01	0.17	3.87	125	125	1467	8.5	0.0	1444	0.11	0.37	3.87	160	160	531	30.1	0.0

**Cond\_Y 1(-); E(+); S2(+)** : 21) - Sisma Y (-); 0.3 \* Sisma X (+); **Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	-79720	538481	0.05	0.08	1.00	24552	24552	41353	59.4	0.0	136703	0.01	0.14	2.00	1352	1352	19800	6.8	0.0
Piano 1	1 - 3	E	-33197	384135	0.05	0.06	1.00	17515	17515	24413	71.7	0.0	100508	0.01	0.09	2.00	1190	1190	8988	13.2	0.0
Piano 1	1 - 8	E	-30921	111686	0.01	0.12	1.00	989	989	13672	7.2	0.0	42825	0.05	0.18	2.00	1967	1967	7879	25.0	0.0
Piano 1	1 - 8	E	-31469	111686	0.01	0.12	1.00	989	989	13765	7.2	0.0	42825	0.05	0.19	2.00	2002	2002	7993	25.0	0.0
Piano 1	1 - 8	E	-32017	111686	0.01	0.12	1.00	989	989	13857	7.1	0.0	42825	0.05	0.19	2.00	2037	2037	8107	25.1	0.0
Piano 1	1 - 7	E	-53670	237595	0.01	0.14	1.00	2104	2104	32776	6.4	0.0	70355	0.05	0.19	2.00	3415	3415	13538	25.2	0.0
Piano 1	2 - 5	E	-193704	1771602	0.01	0.07	1.00	20180	20180	118101	17.1	0.0	326232	0.05	0.13	2.00	16065	16065	42056	38.2	0.0
Piano 1	3 - 4	E	-10383	118583	0.01	0.06	2.00	1497	1497	7160	20.9	0.0	44354	0.05	0.07	2.00	2038	2038	2963	68.8	0.0
Piano 1	3 - 4	E	-104827	1538880	0.01	0.08	1.00	19430	19430	125617	15.5	0.0	379305	0.05	0.08	2.00	18452	18452	29634	62.3	0.0
Piano 1	3 - 4	E	-23078	244548	0.01	0.10	1.00	3088	3088	24854	12.4	0.0	71884	0.05	0.09	2.00	3702	3702	6460	57.3	0.0
Piano 1	3 - 4	E	-16427	138628	0.01	0.09	2.00	1750	1750	12172	14.4	0.0	48759	0.05	0.09	2.00	2561	2561	4582	55.9	0.0
Piano 1	6 - 4	E	-132449	840681	0.05	0.08	1.00	44464	44464	65434	68.0	0.0	209017	0.01	0.15	2.00	2169	2169	32304	6.7	0.0
Piano 1	5 - 4	E	-10736	61299	0.05	0.08	1.00	3242	3242	4810	67.4	0.0	28193	0.01	0.10	2.00	348	348	2859	12.2	0.0
Piano 1	8 - 6	E	-53613	228401	0.01	0.14	1.00	2023	2023	32185	6.3	0.0	68336	0.05	0.20	2.00	3412	3412	13451	25.4	0.0
Piano 1	7 - 6	E	-34241	111686	0.01	0.13	1.00	989	989	14224	7.0	0.0	42825	0.05	0.20	2.00	2179	2179	8559	25.5	0.0
Piano 1	7 - 6	E	-34790	111686	0.01	0.13	1.00	989	989	14313	6.9	0.0	42825	0.05	0.20	2.00	2215	2215	8668	25.5	0.0
Piano 1	7 - 6	E	-36860	119967	0.01	0.13	1.00	1062	1062	15663	6.8	0.0	44660	0.05	0.20	2.00	2346	2346	9154	25.6	0.0
Piano 1	7 - 10	E	-88972	574450	0.05	0.08	1.00	28647	28647	44587	64.3	0.0	107986	0.01	0.17	2.00	1094	1094	18184	6.0	0.0
Piano 1	8 - 9	E	-86205	574450	0.05	0.08	1.00	27942	27942	44009	63.5	0.0	107986	0.01	0.16	2.00	1094	1094	17740	6.2	0.0
Piano 2	1 - 2	P	-7264	375	3.51	1.23	4.83	461	1315	461	100.0	63.2	694	0.01	0.91	4.83	6	6	634	1.0	0.0
Piano 2	1 - 2	C	-56955	91214	2.41	0.31	2.41	14305	14695	14305	100.0	100.0	6160	0.05	1.06	2.41	193	193	4521	4.3	0.0
Piano 2	1 - 3	P	-15811	8358	3.51	0.56	4.83	2402	2456	2402	100.0	69.0	2070	0.09	0.88	4.83	150	150	1420	10.6	0.0
Piano 2	1 - 8	P	-22548	6343	0.00	0.61	4.83	22	296	3879	0.6	0.0	2116	3.52	1.01	4.83	2133	2133	2133	100.0	65.6
Piano 2	1 - 8	P	-14677	1888	0.00	0.87	4.83	7	88	1641	0.4	0.0	1375	3.55	1.01	4.83	1388	1388	1388	100.0	66.4
Piano 2	1 - 8	P	-14696	1888	0.00	0.87	4.83	7	88	1642	0.4	0.0	1375	3.57	1.01	4.83	1389	1389	1389	100.0	67.1
Piano 2	1 - 7	P	-45293	36218	0.00	0.43	4.83	128	1688	15566	0.8	0.0	4232	3.61	1.01	4.83	4281	4281	4281	100.0	68.0
Piano 2	2 - 3	P	-6972	1313	3.51	0.85	4.83	582	604	582	100.0	66.7	1065	0.13	0.77	4.83	107	107	653	16.4	0.0
Piano 2	2 - 9	P	-15396	8770	0.09	0.38	4.83	791	791	3334	23.7	0.0	1655	3.52	0.80	4.83	1323	1323	1323	100.0	67.4
Piano 2	2 - 9	P	-38102	65867	0.09	0.20	4.83	5938	5938	13157	45.1	0.0	4086	3.56	0.80	4.83	3272	3272	3272	100.0	68.5
Piano 2	2 - 10	P	-23469	24333	0.09	0.32	4.83	2194	2194	7697	28.5	0.0	2509	3.60	0.80	4.83	2015	2015	2015	100.0	69.6
Piano 2	3 - 4	P	-14714	8212	0.13	0.37	4.83	1088	1088	3074	35.4	0.0	2328	3.52	0.66	4.83	1537	1537	1537	100.0	68.5
Piano 2	3 - 4	P	-21598	21825	0.13	0.30	4.83	2893	2893	6619	43.7	0.0	3407	3.55	0.66	4.83	2261	2261	2261	100.0	69.3
Piano 2	3 - 4	P	-23415	26289	0.13	0.30	4.83	3484	3484	7770	44.8	0.0	3682	3.59	0.67	4.83	2456	2456	2456	100.0	70.3
Piano 2	3 - 4	P	-12407	5043	0.13	0.43	4.83	668	668	2175	30.7	0.0	1947	3.62	0.67	4.83	1300	1300	1300	100.0	70.9
Piano 2	3 - 4	P	-12023	4599	0.13	0.44	4.83	610	610	2043	29.8	0.0	1883	3.64	0.67	4.83	1263	1263	1263	100.0	71.4
Piano 2	3 - 4	P	-23690	26647	0.13	0.30	4.83	3532	3532	7907	44.7	0.0	3703	3.67	0.67	4.83	2485	2485	2485	100.0	72.1
Piano 2	3 - 4	P	-21999	22156	0.13	0.31	4.83	2936	2936	6804	43.2	0.0	3428	3.71	0.67	4.83	2310	2310	2310	100.0	73.0



## Relazione di calcolo - Comune di Terni

Piano 2	3 - 4	P	- 17214	11862	0.13	0.35	4.83	1572	1572	4158	37.8	0.0	2675	3.75	0.68	4.83	1809	1809	1809	100.0	73.9
Piano 2	6 - 4	P	- 16199	8544	3.76	0.56	4.83	2471	2563	2471	100.0	74.8	2087	0.09	0.89	4.83	152	152	1446	10.5	0.0
Piano 2	5 - 4	P	-8760	2366	3.76	0.73	4.83	898	924	898	100.0	73.8	1308	0.12	0.79	4.83	130	130	823	15.8	0.0
Piano 2	6 - 5	C	- 85600	15884 6	2.41	0.25	2.41	20156	22880	20156	100.0	100.0	8849	0.04	1.11	2.41	207	207	6307	3.3	0.0
Piano 2	9 - 5	P	- 41088	74493	0.09	0.20	4.83	6716	6716	14639	45.9	0.0	4380	3.65	0.80	4.83	3523	3523	3523	100.0	70.7
Piano 2	10 - 5	P	- 18909	14361	0.09	0.35	4.83	1295	1295	4959	26.1	0.0	2010	3.70	0.81	4.83	1621	1621	1621	100.0	71.8
Piano 2	10 - 5	P	- 34077	52381	0.09	0.22	4.83	4722	4722	11688	40.4	0.0	3613	3.74	0.81	4.83	2918	2918	2918	100.0	72.8
Piano 2	8 - 6	P	- 42980	32020	0.00	0.44	4.83	113	1492	13981	0.8	0.0	4008	3.65	1.01	4.83	4060	4060	4060	100.0	69.2
Piano 2	7 - 6	P	- 14774	1888	0.00	0.87	4.83	7	88	1645	0.4	0.0	1375	3.69	1.01	4.83	1392	1392	1392	100.0	70.1
Piano 2	7 - 6	P	- 14793	1888	0.00	0.87	4.83	7	88	1647	0.4	0.0	1375	3.72	1.01	4.83	1394	1394	1394	100.0	70.8
Piano 2	7 - 6	P	- 25070	8212	0.00	0.57	4.83	29	383	4722	0.6	0.0	2328	3.75	1.01	4.83	2361	2361	2361	100.0	71.6
Piano 2	7 - 10	E	-6649	341	3.65	1.24	4.83	421	1245	421	100.0	67.2	526	0.01	1.00	4.83	5	5	527	0.9	0.0
Piano 2	7 - 10	C	- 76094	15559 6	2.41	0.25	2.41	19657	21140	19657	100.0	100.0	7072	0.06	1.19	2.41	252	252	5347	4.7	0.0
Piano 2	8 - 9	C	- 10108 3	21608 3	2.41	0.28	2.41	30564	30919	30564	100.0	100.0	9109	0.05	1.24	2.41	259	259	6829	3.8	0.0
Piano 3	1 - 2	E	- 32638	18644 5	0.11	0.13	1.93	20232	20232	24344	83.1	0.0	9902	0.01	0.35	3.87	145	145	3433	4.2	0.0
Piano 3	1 - 3	E	-8728	24656	0.11	0.14	3.87	2676	2676	3329	80.4	0.0	2974	0.01	0.31	3.87	42	42	929	4.6	0.0
Piano 3	1 - 8	E	- 10343	18535	0.01	0.18	3.87	274	274	3250	8.4	0.0	2946	0.11	0.38	3.87	320	320	1116	28.6	0.0
Piano 3	1 - 8	E	-7894	9389	0.01	0.20	3.87	139	139	1893	7.3	0.0	2249	0.11	0.38	3.87	244	244	852	28.6	0.0
Piano 3	1 - 8	E	-8130	10140	0.01	0.20	3.87	150	150	2008	7.5	0.0	2316	0.11	0.38	3.87	250	250	877	28.5	0.0
Piano 3	1 - 7	E	- 17835	60344	0.01	0.16	3.87	892	892	9668	9.2	0.0	5082	0.11	0.38	3.87	549	549	1925	28.5	0.0
Piano 3	2 - 3	E	-4912	7185	0.11	0.16	3.87	780	780	1139	68.5	0.0	1796	0.01	0.29	3.87	25	25	526	4.8	0.0
Piano 3	2 - 9	E	- 21557	12986 6	0.01	0.13	1.93	1856	1856	17256	10.8	0.0	5820	0.11	0.35	3.87	631	631	2038	30.9	0.0
Piano 3	2 - 10	E	- 20241	11922 6	0.01	0.14	1.93	1704	1704	16207	10.5	0.0	5467	0.11	0.35	3.87	590	590	1913	30.9	0.0
Piano 3	3 - 4	E	-7721	17522	0.01	0.14	3.87	246	246	2414	10.2	0.0	2878	0.11	0.29	3.87	312	312	849	36.8	0.0
Piano 3	3 - 4	E	- 11940	46541	0.01	0.12	3.87	654	654	5774	11.3	0.0	4453	0.11	0.29	3.87	482	482	1312	36.7	0.0
Piano 3	3 - 4	E	- 21883	13367 0	0.01	0.15	3.87	1878	1878	19401	9.7	0.0	8163	0.11	0.29	3.87	881	881	2405	36.7	0.0
Piano 3	3 - 4	E	- 22115	13584 9	0.01	0.15	3.87	1908	1908	19823	9.6	0.0	8253	0.11	0.29	3.87	888	888	2431	36.6	0.0
Piano 3	3 - 4	E	- 11927	46541	0.01	0.12	3.87	654	654	5768	11.3	0.0	4453	0.11	0.29	3.87	478	478	1311	36.5	0.0
Piano 3	3 - 4	E	-9058	25665	0.01	0.13	3.87	360	360	3327	10.8	0.0	3382	0.11	0.29	3.87	362	362	996	36.4	0.0
Piano 3	6 - 4	E	- 48840	31192 9	0.11	0.12	1.93	33406	33406	37262	89.7	0.0	15348	0.01	0.34	3.87	222	222	5156	4.3	0.0
Piano 3	5 - 4	E	-5210	8399	0.11	0.15	3.87	899	899	1282	70.2	0.0	1907	0.01	0.29	3.87	27	27	558	4.8	0.0
Piano 3	10 - 5	E	- 36099	24512 1	0.01	0.12	1.93	3503	3503	28918	12.1	0.0	9757	0.11	0.35	3.87	1047	1047	3413	30.7	0.0
Piano 3	8 - 6	E	- 18494	64629	0.01	0.16	3.87	956	956	10398	9.2	0.0	5271	0.11	0.38	3.87	568	568	1996	28.4	0.0
Piano 3	7 - 6	E	-7888	9389	0.01	0.20	3.87	139	139	1892	7.3	0.0	2249	0.11	0.38	3.87	242	242	851	28.4	0.0
Piano 3	7 - 6	E	-7887	9389	0.01	0.20	3.87	139	139	1892	7.3	0.0	2249	0.11	0.38	3.87	241	241	851	28.3	0.0
Piano 3	7 - 6	E	- 10646	19925	0.01	0.17	3.87	295	295	3447	8.5	0.0	3036	0.11	0.38	3.87	325	325	1149	28.3	0.0
Piano 3	7 - 10	E	- 30806	17959 5	0.11	0.13	1.93	19339	19339	23050	83.9	0.0	7494	0.01	0.38	3.87	109	109	2882	3.8	0.0
Piano 3	7 - 10	E	-1774	394	0.11	0.39	3.87	42	42	152	27.9	0.0	475	0.01	0.35	3.87	7	7	168	4.1	0.0
Piano 3	8 - 9	E	- 30813	17959 5	0.11	0.13	1.93	19382	19382	23052	84.1	0.0	7494	0.01	0.38	3.87	109	109	2883	3.8	0.0
Piano 3	8 - 9	E	-1774	394	0.11	0.39	3.87	42	42	152	27.9	0.0	475	0.01	0.35	3.87	7	7	168	4.1	0.0
Piano 3	9 - 10	E	-5344	8834	0.01	0.16	3.87	126	126	1394	9.1	0.0	1444	0.11	0.35	3.87	156	156	505	30.8	0.0

**Cond\_Y 1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 90642	53848 1	0.05	0.08	1.00	24359	24359	43613	55.9	0.0	13670 3	0.01	0.16	2.00	1674	1674	21872	7.7	0.0
Piano 1	1 - 3	E	- 41040	38413 5	0.05	0.07	1.00	17377	17377	26407	65.8	0.0	10050 8	0.01	0.11	2.00	1038	1038	10828	9.6	0.0
Piano 1	1 - 8	E	- 34067	11168 6	0.01	0.13	1.00	1481	1481	14195	10.4	0.0	42825	0.05	0.20	2.00	1952	1952	8524	22.9	0.0
Piano 1	1 - 8	E	- 33853	11168 6	0.01	0.13	1.00	1481	1481	14160	10.5	0.0	42825	0.05	0.20	2.00	1986	1986	8481	23.4	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	1 - 8	E	- 33638	11168 6	0.01	0.13	1.00	1481	1481	14125	10.5	0.0	42825	0.05	0.20	2.00	2020	2020	8438	23.9	0.0
Piano 1	1 - 7	E	- 54844	23759 5	0.01	0.14	1.00	3151	3151	33053	9.5	0.0	70355	0.05	0.20	2.00	3387	3387	13777	24.6	0.0
Piano 1	2 - 5	E	- 19330 2	17716 02	0.01	0.07	1.00	19084	19084	11800 6	16.2	0.0	32623 2	0.05	0.13	2.00	15927	15927	41982	37.9	0.0
Piano 1	3 - 4	E	- 13473	11858 3	0.01	0.08	2.00	1133	1133	9149	12.4	0.0	44354	0.05	0.09	2.00	2022	2022	3786	53.4	0.0
Piano 1	3 - 4	E	- 10894 4	15388 80	0.01	0.08	1.00	14708	14708	12698 2	11.6	0.0	37930 5	0.05	0.08	2.00	18296	18296	30724	59.5	0.0
Piano 1	3 - 4	E	- 19391	24454 8	0.01	0.09	2.00	2337	2337	21502	10.9	0.0	71884	0.05	0.08	2.00	3669	3669	5490	66.8	0.0
Piano 1	3 - 4	E	- 12851	13862 8	0.01	0.07	2.00	1325	1325	9679	13.7	0.0	48759	0.05	0.07	2.00	2537	2537	3643	69.6	0.0
Piano 1	6 - 4	E	- 11586 6	84068 1	0.05	0.07	1.00	44055	44055	61935	71.1	0.0	20901 7	0.01	0.14	2.00	2459	2459	29074	8.5	0.0
Piano 1	5 - 4	E	-8447	61299	0.05	0.07	2.00	3212	3212	4327	74.2	0.0	28193	0.01	0.08	2.00	278	278	2310	12.0	0.0
Piano 1	8 - 6	E	- 52691	22840 1	0.01	0.14	1.00	3029	3029	31968	9.5	0.0	68336	0.05	0.19	2.00	3382	3382	13264	25.5	0.0
Piano 1	7 - 6	E	- 32769	11168 6	0.01	0.13	1.00	1481	1481	13982	10.6	0.0	42825	0.05	0.19	2.00	2160	2160	8261	26.1	0.0
Piano 1	7 - 6	E	- 32554	11168 6	0.01	0.12	1.00	1481	1481	13946	10.6	0.0	42825	0.05	0.19	2.00	2195	2195	8217	26.7	0.0
Piano 1	7 - 6	E	- 33723	11996 7	0.01	0.13	1.00	1591	1591	15128	10.5	0.0	44660	0.05	0.19	2.00	2325	2325	8523	27.3	0.0
Piano 1	7 - 10	E	- 87051	57445 0	0.05	0.08	1.00	28398	28398	44187	64.3	0.0	10798 6	0.01	0.17	2.00	1297	1297	17877	7.3	0.0
Piano 1	8 - 9	E	- 88133	57445 0	0.05	0.08	1.00	27705	27705	44412	62.4	0.0	10798 6	0.01	0.17	2.00	1297	1297	18050	7.2	0.0
Piano 2	1 - 2	P	-7760	375	1.39	1.29	4.83	483	520	483	100.0	2.8	694	0.19	0.96	4.83	131	131	664	19.7	0.0
Piano 2	1 - 2	C	- 61315	91214	1.93	0.32	2.41	14690	14995	14690	100.0	100.0	6160	0.14	1.10	2.41	583	583	4676	12.5	0.0
Piano 2	1 - 3	P	- 17258	8358	1.39	0.60	4.83	2536	2650	2536	100.0	18.7	2070	0.07	0.93	4.83	111	111	1500	7.4	0.0
Piano 2	1 - 8	C	- 23957	6343	0.20	0.64	2.41	1247	1247	4076	30.6	0.0	2116	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	1 - 8	C	- 15366	1888	0.20	0.90	2.41	371	371	1704	21.8	0.0	1375	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	1 - 8	P	- 15174	1888	0.20	0.89	4.83	371	371	1684	22.0	0.0	1375	1.48	1.04	4.83	1425	1425	1425	100.0	11.8
Piano 2	1 - 7	P	- 45933	36218	0.20	0.43	4.83	7123	7123	15739	45.3	0.0	4232	1.53	1.02	4.83	4328	4328	4328	100.0	13.4
Piano 2	2 - 3	P	-7710	1313	1.39	0.92	4.83	625	651	625	100.0	12.0	1065	0.02	0.83	4.83	19	19	702	2.7	0.0
Piano 2	2 - 9	P	- 16671	8770	0.07	0.40	4.83	642	644	3539	18.2	0.0	1655	1.40	0.85	4.83	1404	1404	1404	100.0	13.9
Piano 2	2 - 9	P	- 40125	65867	0.07	0.20	4.83	4825	4839	13427	35.9	0.0	4086	1.46	0.83	4.83	3400	3400	3400	100.0	15.7
Piano 2	2 - 10	P	- 23958	24333	0.07	0.32	4.83	1782	1782	7811	22.8	0.0	2509	1.53	0.81	4.83	2045	2045	2045	100.0	17.7
Piano 2	3 - 4	P	- 16201	8212	0.01	0.40	4.83	106	412	3317	3.2	0.0	2328	1.40	0.71	4.83	1658	1658	1658	100.0	16.7
Piano 2	3 - 4	P	- 23098	21825	0.01	0.32	4.83	281	1095	6967	4.0	0.0	3407	1.45	0.70	4.83	2380	2380	2380	100.0	18.2
Piano 2	3 - 4	P	- 24230	26289	0.01	0.30	4.83	338	1318	7960	4.3	0.0	3682	1.51	0.68	4.83	2516	2516	2516	100.0	19.9
Piano 2	3 - 4	P	- 12547	5043	0.01	0.44	4.83	65	253	2194	3.0	0.0	1947	1.55	0.67	4.83	1312	1312	1312	100.0	21.0
Piano 2	3 - 4	P	- 11930	4599	0.01	0.44	4.83	59	231	2030	2.9	0.0	1883	1.58	0.67	4.83	1255	1255	1255	100.0	21.9
Piano 2	3 - 4	P	- 22958	26647	0.01	0.29	4.83	343	1336	7740	4.4	0.0	3703	1.62	0.66	4.83	2433	2433	2433	100.0	23.0
Piano 2	3 - 4	P	- 20568	22156	0.01	0.29	4.83	285	1111	6485	4.4	0.0	3428	1.67	0.64	4.83	2202	2202	2202	100.0	24.6
Piano 2	3 - 4	P	- 15552	11862	0.01	0.33	4.83	153	595	3881	3.9	0.0	2675	1.73	0.63	4.83	1689	1689	1689	100.0	26.1
Piano 2	6 - 4	P	- 14796	8544	1.74	0.53	4.83	2347	2375	2347	100.0	28.1	2087	0.07	0.84	4.83	112	112	1374	8.2	0.0
Piano 2	5 - 4	P	-7873	2366	1.74	0.68	4.83	840	872	840	100.0	25.5	1308	0.02	0.74	4.83	25	25	770	3.2	0.0
Piano 2	6 - 5	C	- 79745	15884 6	1.93	0.25	2.41	19739	23074	19739	100.0	100.0	8849	0.15	1.08	2.41	853	853	6146	13.9	0.0
Piano 2	9 - 5	P	- 40590	74493	0.07	0.20	4.83	5457	5457	14576	37.4	0.0	4380	1.59	0.80	4.83	3494	3494	3494	100.0	19.7
Piano 2	10 - 5	P	- 18089	14361	0.07	0.33	4.83	1052	1052	4803	21.9	0.0	2010	1.66	0.78	4.83	1570	1570	1570	100.0	21.6
Piano 2	10 - 5	P	- 31621	52381	0.07	0.22	4.83	3837	3837	11369	33.8	0.0	3613	1.71	0.77	4.83	2766	2766	2766	100.0	23.3
Piano 2	8 - 6	P	- 42626	32020	0.20	0.43	4.83	6297	6297	13890	45.3	0.0	4008	1.59	1.01	4.83	4034	4034	4034	100.0	15.4
Piano 2	7 - 6	P	- 14387	1888	0.20	0.85	4.83	371	371	1611	23.0	0.0	1375	1.64	0.99	4.83	1364	1364	1364	100.0	17.0
Piano 2	7 - 6	P	- 14195	1888	0.20	0.84	4.83	371	371	1592	23.3	0.0	1375	1.68	0.98	4.83	1347	1347	1347	100.0	18.3
Piano 2	7 - 6	P	- 23667	8212	0.20	0.55	4.83	1615	1615	4505	35.9	0.0	2328	1.73	0.97	4.83	2252	2252	2252	100.0	19.7
Piano 2	7 - 10	P	-6594	341	1.59	1.23	4.83	419	544	419	100.0	10.1	526	0.19	1.00	4.83	99	99	524	18.9	0.0
Piano 2	7 - 10	C	- 75268	15559 6	1.93	0.25	2.41	19595	21157	19595	100.0	100.0	7072	0.12	1.19	2.41	548	548	5326	10.3	0.0
Piano 2	8 - 9	C	- 10255 9	21608 3	1.93	0.28	2.41	30708	30997	30708	100.0	100.0	9109	0.13	1.25	2.41	742	742	6865	10.8	0.0



Piano 3	1 - 2	E	- 33621	18644 5	0.11	0.13	1.93	19609	19609	24605	79.7	0.0	9902	0.02	0.36	3.87	164	164	3525	4.7	0.0
Piano 3	1 - 3	E	-9025	24656	0.11	0.14	3.87	2593	2593	3431	75.6	0.0	2974	0.01	0.32	3.87	42	42	957	4.4	0.0
Piano 3	1 - 8	E	- 10611	18535	0.02	0.18	3.87	334	334	3327	10.0	0.0	2946	0.11	0.39	3.87	311	311	1143	27.2	0.0
Piano 3	1 - 8	E	-8047	9389	0.02	0.21	3.87	169	169	1927	8.8	0.0	2249	0.11	0.39	3.87	240	240	867	27.7	0.0
Piano 3	1 - 8	E	-8236	10140	0.02	0.20	3.87	183	183	2033	9.0	0.0	2316	0.11	0.38	3.87	250	250	888	28.2	0.0
Piano 3	1 - 7	E	- 17929	60344	0.02	0.16	3.87	1087	1087	9715	11.2	0.0	5082	0.11	0.38	3.87	557	557	1934	28.8	0.0
Piano 3	2 - 3	E	-5093	7185	0.11	0.16	3.87	756	756	1177	64.2	0.0	1796	0.01	0.30	3.87	23	23	544	4.2	0.0
Piano 3	2 - 9	E	- 22125	12986 6	0.01	0.13	1.93	1852	1852	17413	10.6	0.0	5820	0.11	0.36	3.87	619	619	2086	29.7	0.0
Piano 3	2 - 10	E	- 20436	11922 6	0.01	0.14	1.93	1701	1701	16261	10.5	0.0	5467	0.11	0.35	3.87	597	597	1930	30.9	0.0
Piano 3	3 - 4	E	-7987	17522	0.01	0.14	3.87	218	218	2492	8.7	0.0	2878	0.11	0.30	3.87	304	304	876	34.7	0.0
Piano 3	3 - 4	E	- 12231	46541	0.01	0.13	3.87	578	578	5906	9.8	0.0	4453	0.11	0.30	3.87	477	477	1342	35.5	0.0
Piano 3	3 - 4	E	- 22106	13367 0	0.01	0.15	3.87	1660	1660	19586	8.5	0.0	8163	0.11	0.30	3.87	892	892	2428	36.7	0.0
Piano 3	3 - 4	E	- 21960	13584 9	0.01	0.14	3.87	1687	1687	19692	8.6	0.0	8253	0.11	0.29	3.87	922	922	2415	38.2	0.0
Piano 3	3 - 4	E	- 11674	46541	0.01	0.12	3.87	578	578	5652	10.2	0.0	4453	0.11	0.29	3.87	507	507	1285	39.5	0.0
Piano 3	3 - 4	E	-8769	25665	0.01	0.13	3.87	319	319	3227	9.9	0.0	3382	0.12	0.29	3.87	390	390	966	40.4	0.0
Piano 3	6 - 4	E	- 47379	31192 9	0.12	0.12	1.93	36160	36160	36866	98.1	0.0	15348	0.02	0.33	3.87	243	243	5017	4.8	0.0
Piano 3	5 - 4	E	-5031	8399	0.12	0.15	3.87	974	974	1242	78.4	0.0	1907	0.01	0.28	3.87	24	24	540	4.5	0.0
Piano 3	10 - 5	E	- 35378	24512 1	0.01	0.12	1.93	3496	3496	28717	12.2	0.0	9757	0.11	0.34	3.87	1112	1112	3351	33.2	0.0
Piano 3	8 - 6	E	- 18415	64629	0.02	0.16	3.87	1164	1164	10357	11.2	0.0	5271	0.11	0.38	3.87	588	588	1988	29.5	0.0
Piano 3	7 - 6	E	-7792	9389	0.02	0.20	3.87	169	169	1871	9.0	0.0	2249	0.11	0.37	3.87	254	254	842	30.2	0.0
Piano 3	7 - 6	E	-7742	9389	0.02	0.20	3.87	169	169	1860	9.1	0.0	2249	0.11	0.37	3.87	257	257	837	30.7	0.0
Piano 3	7 - 6	E	- 10380	19925	0.02	0.17	3.87	359	359	3368	10.7	0.0	3036	0.12	0.37	3.87	351	351	1123	31.2	0.0
Piano 3	7 - 10	E	- 30669	17959 5	0.11	0.13	1.93	20019	20019	23013	87.0	0.0	7494	0.02	0.38	3.87	123	123	2870	4.3	0.0
Piano 3	7 - 10	E	-1766	394	0.11	0.38	3.87	44	44	151	29.0	0.0	475	0.01	0.35	3.87	7	7	167	4.1	0.0
Piano 3	8 - 9	E	- 30982	17959 5	0.11	0.13	1.93	19696	19696	23097	85.3	0.0	7494	0.02	0.39	3.87	123	123	2897	4.3	0.0
Piano 3	8 - 9	E	-1785	394	0.11	0.39	3.87	43	43	153	28.2	0.0	475	0.01	0.35	3.87	7	7	169	4.1	0.0
Piano 3	9 - 10	E	-5328	8834	0.01	0.16	3.87	126	126	1391	9.1	0.0	1444	0.11	0.35	3.87	161	161	504	31.9	0.0

**Cond\_Y 1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 79735	53848 1	0.05	0.08	1.00	28697	28697	41357	69.4	0.0	13670 3	0.01	0.14	2.00	1647	1647	19803	8.3	0.0
Piano 1	1 - 3	E	- 33189	38413 5	0.05	0.06	1.00	20472	20472	24411	83.9	0.0	10050 8	0.01	0.09	2.00	1013	1013	8986	11.3	0.0
Piano 1	1 - 8	E	- 30930	11168 6	0.01	0.12	1.00	1462	1462	13674	10.7	0.0	42825	0.05	0.18	2.00	2268	2268	7881	28.8	0.0
Piano 1	1 - 8	E	- 31478	11168 6	0.01	0.12	1.00	1462	1462	13767	10.6	0.0	42825	0.05	0.19	2.00	2232	2232	7995	27.9	0.0
Piano 1	1 - 8	E	- 32026	11168 6	0.01	0.12	1.00	1462	1462	13858	10.5	0.0	42825	0.05	0.19	2.00	2197	2197	8109	27.1	0.0
Piano 1	1 - 7	E	- 53684	23759 5	0.01	0.14	1.00	3109	3109	32779	9.5	0.0	70355	0.05	0.19	2.00	3540	3540	13541	26.1	0.0
Piano 1	2 - 5	E	- 19368 3	17716 02	0.01	0.07	1.00	18653	18653	11809 6	15.8	0.0	32623 2	0.05	0.13	2.00	16185	16185	42052	38.5	0.0
Piano 1	3 - 4	E	- 10375	11858 3	0.01	0.06	2.00	1101	1101	7155	15.4	0.0	44354	0.05	0.07	2.00	2348	2348	2961	79.3	0.0
Piano 1	3 - 4	E	- 10476 2	15388 80	0.01	0.08	1.00	14284	14284	12559 6	11.4	0.0	37930 5	0.05	0.08	2.00	19046	19046	29617	64.3	0.0
Piano 1	3 - 4	E	- 23066	24454 8	0.01	0.10	1.00	2270	2270	24850	9.1	0.0	71884	0.05	0.09	2.00	3402	3402	6456	52.7	0.0
Piano 1	3 - 4	E	- 16418	13862 8	0.01	0.09	2.00	1287	1287	12166	10.6	0.0	48759	0.05	0.09	2.00	2258	2258	4579	49.3	0.0
Piano 1	6 - 4	E	- 13245 9	84068 1	0.05	0.08	1.00	38613	38613	65436	59.0	0.0	20901 7	0.01	0.15	2.00	2414	2414	32306	7.5	0.0
Piano 1	5 - 4	E	- 10732	61299	0.05	0.08	1.00	2816	2816	4809	58.5	0.0	28193	0.01	0.10	2.00	270	270	2858	9.4	0.0
Piano 1	8 - 6	E	- 53626	22840 1	0.01	0.14	1.00	2989	2989	32188	9.3	0.0	68336	0.05	0.20	2.00	3343	3343	13454	24.8	0.0
Piano 1	7 - 6	E	- 34250	11168 6	0.01	0.13	1.00	1462	1462	14225	10.3	0.0	42825	0.05	0.20	2.00	2053	2053	8560	24.0	0.0
Piano 1	7 - 6	E	- 34798	11168 6	0.01	0.13	1.00	1462	1462	14314	10.2	0.0	42825	0.05	0.20	2.00	2018	2018	8670	23.3	0.0
Piano 1	7 - 6	E	- 36869	11996 7	0.01	0.13	1.00	1570	1570	15665	10.0	0.0	44660	0.05	0.21	2.00	2067	2067	9155	22.6	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	7 - 10	E	- 88983	57445 0	0.05	0.08	1.00	28137	28137	44589	63.1	0.0	10798 6	0.01	0.17	2.00	1274	1274	18185	7.0	0.0
Piano 1	8 - 9	E	- 86217	57445 0	0.05	0.08	1.00	28849	28849	44012	65.5	0.0	10798 6	0.01	0.16	2.00	1274	1274	17742	7.2	0.0
Piano 2	1 - 2	P	-7265	375	3.80	1.27	4.83	449	1341	449	100.0	71.0	694	0.14	0.93	4.83	94	94	630	14.9	0.0
Piano 2	1 - 2	C	- 56961	91214	2.41	0.31	2.41	14279	14568	14279	100.0	100.0	6160	0.11	1.06	2.41	474	474	4511	10.5	0.0
Piano 2	1 - 3	P	- 15809	8358	3.80	0.57	4.83	2417	2452	2417	100.0	75.8	2070	0.08	0.89	4.83	122	122	1430	8.5	0.0
Piano 2	1 - 8	P	- 22553	6343	0.14	0.61	4.83	905	905	3873	23.4	0.0	2116	3.79	1.01	4.83	2130	2130	2130	100.0	72.9
Piano 2	1 - 8	P	- 14680	1888	0.14	0.87	4.83	269	269	1638	16.4	0.0	1375	3.77	1.01	4.83	1386	1386	1386	100.0	72.3
Piano 2	1 - 8	P	- 14699	1888	0.14	0.87	4.83	269	269	1640	16.4	0.0	1375	3.75	1.01	4.83	1387	1387	1387	100.0	71.7
Piano 2	1 - 7	P	- 45303	36218	0.14	0.43	4.83	5165	5301	15569	33.2	0.0	4232	3.72	1.01	4.83	4282	4282	4282	100.0	71.0
Piano 2	2 - 3	P	-6970	1313	3.80	0.86	4.83	585	622	585	100.0	74.1	1065	0.05	0.77	4.83	44	44	656	6.7	0.0
Piano 2	2 - 9	P	- 15394	8770	0.08	0.38	4.83	684	684	3345	20.4	0.0	1655	3.79	0.80	4.83	1327	1327	1327	100.0	74.2
Piano 2	2 - 9	P	- 38099	65867	0.08	0.20	4.83	5137	5137	13170	39.0	0.0	4086	3.76	0.80	4.83	3278	3278	3278	100.0	73.5
Piano 2	2 - 10	P	- 23466	24333	0.08	0.32	4.83	1898	1898	7696	24.7	0.0	2509	3.73	0.80	4.83	2015	2015	2015	100.0	72.6
Piano 2	3 - 4	P	- 14709	8212	0.05	0.38	4.83	381	381	3127	12.2	0.0	2328	3.79	0.67	4.83	1564	1564	1564	100.0	75.1
Piano 2	3 - 4	P	- 21590	21825	0.05	0.31	4.83	1012	1012	6684	15.1	0.0	3407	3.77	0.67	4.83	2283	2283	2283	100.0	74.4
Piano 2	3 - 4	P	- 23407	26289	0.05	0.30	4.83	1219	1219	7792	15.6	0.0	3682	3.74	0.67	4.83	2463	2463	2463	100.0	73.7
Piano 2	3 - 4	P	- 12402	5043	0.05	0.43	4.83	234	234	2181	10.7	0.0	1947	3.72	0.67	4.83	1304	1304	1304	100.0	73.2
Piano 2	3 - 4	P	- 12019	4599	0.05	0.44	4.83	213	213	2036	10.5	0.0	1883	3.70	0.67	4.83	1258	1258	1258	100.0	72.8
Piano 2	3 - 4	P	- 23682	26647	0.05	0.30	4.83	1236	1236	7882	15.7	0.0	3703	3.68	0.67	4.83	2477	2477	2477	100.0	72.3
Piano 2	3 - 4	P	- 21991	22156	0.05	0.30	4.83	1027	1027	6746	15.2	0.0	3428	3.65	0.67	4.83	2290	2290	2290	100.0	71.6
Piano 2	3 - 4	P	- 17208	11862	0.05	0.35	4.83	550	550	4103	13.4	0.0	2675	3.62	0.67	4.83	1785	1785	1785	100.0	71.0
Piano 2	6 - 4	P	- 16197	8544	3.61	0.56	4.83	2466	2470	2466	100.0	71.5	2087	0.08	0.88	4.83	123	123	1443	8.6	0.0
Piano 2	5 - 4	P	-8757	2366	3.61	0.73	4.83	891	915	891	100.0	70.4	1308	0.05	0.78	4.83	54	54	817	6.6	0.0
Piano 2	6 - 5	C	- 85610	15884 6	2.41	0.26	2.41	20311	20552	20311	100.0	100.0	8849	0.12	1.12	2.41	672	672	6364	10.6	0.0
Piano 2	9 - 5	P	- 41084	74493	0.08	0.20	4.83	5809	5809	14639	39.7	0.0	4380	3.69	0.80	4.83	3523	3523	3523	100.0	71.7
Piano 2	10 - 5	P	- 18908	14361	0.08	0.34	4.83	1120	1120	4953	22.6	0.0	2010	3.66	0.81	4.83	1619	1619	1619	100.0	70.9
Piano 2	10 - 5	P	- 34073	52381	0.08	0.22	4.83	4085	4085	11679	35.0	0.0	3613	3.63	0.81	4.83	2914	2914	2914	100.0	70.1
Piano 2	8 - 6	P	- 42989	32020	0.14	0.44	4.83	4566	4687	13984	32.7	0.0	4008	3.69	1.01	4.83	4061	4061	4061	100.0	70.2
Piano 2	7 - 6	P	- 14778	1888	0.14	0.87	4.83	269	276	1649	16.3	0.0	1375	3.66	1.01	4.83	1395	1395	1395	100.0	69.5
Piano 2	7 - 6	P	- 14797	1888	0.14	0.87	4.83	269	276	1651	16.3	0.0	1375	3.64	1.02	4.83	1397	1397	1397	100.0	68.9
Piano 2	7 - 6	P	- 25076	8212	0.14	0.58	4.83	1171	1202	4732	24.7	0.0	2328	3.62	1.02	4.83	2366	2366	2366	100.0	68.3
Piano 2	7 - 10	E	-6651	341	3.69	1.24	4.83	422	1258	422	100.0	68.3	526	0.14	1.00	4.83	73	73	527	13.8	0.0
Piano 2	7 - 10	C	- 76098	15559 6	2.41	0.25	2.41	19675	20701	19675	100.0	100.0	7072	0.10	1.19	2.41	465	465	5353	8.7	0.0
Piano 2	8 - 9	C	- 10109 3	21608 3	2.41	0.28	2.41	30565	30832	30565	100.0	100.0	9109	0.11	1.24	2.41	607	607	6829	8.9	0.0
Piano 3	1 - 2	E	- 32640	18644 5	0.13	0.13	1.93	23988	23988	24344	98.5	0.0	9902	0.02	0.35	3.87	247	247	3433	7.2	0.0
Piano 3	1 - 3	E	-8727	24656	0.13	0.14	3.87	3172	3172	3329	95.3	0.0	2974	0.01	0.31	3.87	40	40	929	4.3	0.0
Piano 3	1 - 8	E	- 10344	18535	0.03	0.18	3.87	591	591	3250	18.2	0.0	2946	0.13	0.38	3.87	373	373	1116	33.4	0.0
Piano 3	1 - 8	E	-7895	9389	0.03	0.20	3.87	299	299	1894	15.8	0.0	2249	0.12	0.38	3.87	271	271	852	31.8	0.0
Piano 3	1 - 8	E	-8131	10140	0.03	0.20	3.87	323	323	2009	16.1	0.0	2316	0.11	0.38	3.87	266	266	878	30.3	0.0
Piano 3	1 - 7	E	- 17837	60344	0.03	0.16	3.87	1923	1923	9669	19.9	0.0	5082	0.11	0.38	3.87	547	547	1925	28.4	0.0
Piano 3	2 - 3	E	-4912	7185	0.13	0.16	3.87	924	924	1138	81.2	0.0	1796	0.01	0.29	3.87	12	12	526	2.4	0.0
Piano 3	2 - 9	E	- 21556	12986 6	0.01	0.13	1.93	1823	1823	17256	10.6	0.0	5820	0.12	0.35	3.87	715	715	2038	35.1	0.0
Piano 3	2 - 10	E	- 20240	11922 6	0.01	0.14	1.93	1674	1674	16207	10.3	0.0	5467	0.11	0.35	3.87	601	601	1913	31.4	0.0
Piano 3	3 - 4	E	-7719	17522	0.01	0.14	3.87	92	92	2413	3.8	0.0	2878	0.13	0.29	3.87	364	364	848	43.0	0.0
Piano 3	3 - 4	E	- 11938	46541	0.01	0.12	3.87	244	244	5773	4.2	0.0	4453	0.12	0.29	3.87	532	532	1312	40.5	0.0
Piano 3	3 - 4	E	- 21879	13367 0	0.01	0.15	3.87	702	702	19398	3.6	0.0	8163	0.11	0.29	3.87	893	893	2405	37.1	0.0
Piano 3	3 - 4	E	- 22112	13584 9	0.01	0.15	3.87	714	714	19820	3.6	0.0	8253	0.10	0.29	3.87	803	803	2430	33.0	0.0
Piano 3	3 - 4	E	- 11925	46541	0.01	0.12	3.87	244	244	5767	4.2	0.0	4453	0.09	0.29	3.87	389	389	1311	29.6	0.0



Piano 3	3 - 4	E	-9056	25665	0.01	0.13	3.87	135	135	3327	4.1	0.0	3382	0.08	0.29	3.87	270	270	995	27.1	0.0
Piano 3	6 - 4	E	-48841	311929	0.08	0.12	1.93	24170	24170	37263	64.9	0.0	15348	0.02	0.34	3.87	329	329	5156	6.4	0.0
Piano 3	5 - 4	E	-5210	8399	0.08	0.15	3.87	651	651	1282	50.8	0.0	1907	0.01	0.29	3.87	13	13	558	2.4	0.0
Piano 3	10 - 5	E	-36098	245121	0.01	0.12	1.93	3441	3441	28917	11.9	0.0	9757	0.09	0.35	3.87	848	848	3412	24.8	0.0
Piano 3	8 - 6	E	-18496	64629	0.03	0.16	3.87	2060	2060	10399	19.8	0.0	5271	0.10	0.38	3.87	520	520	1996	26.1	0.0
Piano 3	7 - 6	E	-7889	9389	0.03	0.20	3.87	299	299	1892	15.8	0.0	2249	0.09	0.38	3.87	206	206	852	24.1	0.0
Piano 3	7 - 6	E	-7888	9389	0.03	0.20	3.87	299	299	1892	15.8	0.0	2249	0.09	0.38	3.87	193	193	851	22.6	0.0
Piano 3	7 - 6	E	-10647	19925	0.03	0.17	3.87	635	635	3448	18.4	0.0	3036	0.08	0.38	3.87	242	242	1149	21.0	0.0
Piano 3	7 - 10	E	-30808	179595	0.10	0.13	1.93	17728	17728	23050	76.9	0.0	7494	0.02	0.38	3.87	184	184	2882	6.4	0.0
Piano 3	7 - 10	E	-1774	394	0.10	0.39	3.87	39	39	152	25.6	0.0	475	0.01	0.35	3.87	7	7	168	4.2	0.0
Piano 3	8 - 9	E	-30815	179595	0.11	0.13	1.93	19265	19265	23052	83.6	0.0	7494	0.02	0.38	3.87	184	184	2883	6.4	0.0
Piano 3	8 - 9	E	-1774	394	0.11	0.39	3.87	42	42	152	27.8	0.0	475	0.01	0.35	3.87	7	7	168	4.2	0.0
Piano 3	9 - 10	E	-5344	8834	0.01	0.16	3.87	124	124	1394	8.9	0.0	1444	0.10	0.35	3.87	144	144	505	28.6	0.0

Cond\_Y1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/ cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/ cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 90661	53848 1	0.05	0.08	1.00	29598	29598	43617	67.9	0.0	13670 3	0.01	0.16	2.00	1349	1349	21875	6.2	0.0
Piano 1	1 - 3	E	- 41028	38413 5	0.05	0.07	1.00	21114	21114	26404	80.0	0.0	10050 8	0.01	0.11	2.00	1260	1260	10826	11.6	0.0
Piano 1	1 - 8	E	- 34078	11168 6	0.01	0.13	1.00	945	945	14197	6.7	0.0	42825	0.05	0.20	2.00	2334	2334	8526	27.4	0.0
Piano 1	1 - 8	E	- 33864	11168 6	0.01	0.13	1.00	945	945	14162	6.7	0.0	42825	0.05	0.20	2.00	2286	2286	8483	26.9	0.0
Piano 1	1 - 8	E	- 33649	11168 6	0.01	0.13	1.00	945	945	14127	6.7	0.0	42825	0.05	0.20	2.00	2238	2238	8440	26.5	0.0
Piano 1	1 - 7	E	- 54863	23759 5	0.01	0.14	1.00	2010	2010	33057	6.1	0.0	70355	0.05	0.20	2.00	3584	3584	13781	26.0	0.0
Piano 1	2 - 5	E	- 19327 5	17716 02	0.01	0.07	1.00	21124	21124	11800 0	17.9	0.0	32623 2	0.05	0.13	2.00	16306	16306	41977	38.8	0.0
Piano 1	3 - 4	E	- 13463	11858 3	0.01	0.08	2.00	1614	1614	9143	17.7	0.0	44354	0.05	0.09	2.00	2417	2417	3783	63.9	0.0
Piano 1	3 - 4	E	- 10886 2	15388 80	0.01	0.08	1.00	20947	20947	12695 4	16.5	0.0	37930 5	0.05	0.08	2.00	19267	19267	30702	62.8	0.0
Piano 1	3 - 4	E	- 19375	24454 8	0.01	0.09	2.00	3329	3329	21485	15.5	0.0	71884	0.05	0.08	2.00	3371	3371	5485	61.5	0.0
Piano 1	3 - 4	E	- 12840	13862 8	0.01	0.07	2.00	1887	1887	9671	19.5	0.0	48759	0.05	0.07	2.00	2219	2219	3640	61.0	0.0
Piano 1	6 - 4	E	- 11587 9	84068 1	0.05	0.07	1.00	37831	37831	61938	61.1	0.0	20901 7	0.01	0.14	2.00	2203	2203	29076	7.6	0.0
Piano 1	5 - 4	E	-8441	61299	0.05	0.07	2.00	2758	2758	4325	63.8	0.0	28193	0.01	0.08	2.00	372	372	2309	16.1	0.0
Piano 1	8 - 6	E	- 52709	22840 1	0.01	0.14	1.00	1933	1933	31972	6.0	0.0	68336	0.05	0.19	2.00	3351	3351	13268	25.3	0.0
Piano 1	7 - 6	E	- 32780	11168 6	0.01	0.13	1.00	945	945	13984	6.8	0.0	42825	0.05	0.19	2.00	2044	2044	8263	24.7	0.0
Piano 1	7 - 6	E	- 32565	11168 6	0.01	0.12	1.00	945	945	13948	6.8	0.0	42825	0.05	0.19	2.00	1996	1996	8219	24.3	0.0
Piano 1	7 - 6	E	- 33734	11996 7	0.01	0.13	1.00	1015	1015	15130	6.7	0.0	44660	0.05	0.19	2.00	2031	2031	8525	23.8	0.0
Piano 1	7 - 10	E	- 87065	57445 0	0.05	0.08	1.00	28221	28221	44190	63.9	0.0	10798 6	0.01	0.17	2.00	1102	1102	17879	6.2	0.0
Piano 1	8 - 9	E	- 88147	57445 0	0.05	0.08	1.00	29186	29186	44415	65.7	0.0	10798 6	0.01	0.17	2.00	1102	1102	18052	6.1	0.0
Piano 2	1 - 2	P	-7761	375	3.63	1.29	4.83	483	1362	483	100.0	66.2	694	0.06	0.96	4.83	45	45	664	6.7	0.0
Piano 2	1 - 2	C	- 61321	91214	2.41	0.32	2.41	14635	14844	14635	100.0	100.0	6160	0.07	1.09	2.41	313	313	4655	6.7	0.0
Piano 2	1 - 3	P	- 17256	8358	3.63	0.60	4.83	2541	2581	2541	100.0	71.7	2070	0.09	0.93	4.83	138	138	1503	9.2	0.0
Piano 2	1 - 8	P	- 23962	6343	0.06	0.64	4.83	399	399	4068	9.8	0.0	2116	3.63	1.06	4.83	2238	2238	2238	100.0	68.2
Piano 2	1 - 8	P	- 15370	1888	0.06	0.90	4.83	119	119	1701	7.0	0.0	1375	3.62	1.05	4.83	1439	1439	1439	100.0	68.1
Piano 2	1 - 8	P	- 15178	1888	0.06	0.89	4.83	119	119	1684	7.0	0.0	1375	3.62	1.04	4.83	1425	1425	1425	100.0	68.0
Piano 2	1 - 7	P	- 45944	36218	0.06	0.43	4.83	2277	2277	15742	14.5	0.0	4232	3.61	1.02	4.83	4329	4329	4329	100.0	67.9
Piano 2	2 - 3	P	-7708	1313	3.63	0.92	4.83	627	651	627	100.0	69.4	1065	0.09	0.83	4.83	80	80	704	11.4	0.0
Piano 2	2 - 9	P	- 16669	8770	0.08	0.40	4.83	745	745	3541	21.0	0.0	1655	3.63	0.85	4.83	1405	1405	1405	100.0	69.9
Piano 2	2 - 9	P	- 40121	65867	0.08	0.20	4.83	5596	5596	13433	41.7	0.0	4086	3.62	0.83	4.83	3403	3403	3403	100.0	69.7
Piano 2	2 - 10	P	- 23956	24333	0.08	0.32	4.83	2067	2067	7816	26.5	0.0	2509	3.61	0.82	4.83	2046	2046	2046	100.0	69.6
Piano 2	3 - 4	P	- 16196	8212	0.10	0.41	4.83	786	795	3339	23.6	0.0	2328	3.63	0.72	4.83	1669	1669	1669	100.0	70.8



## Relazione di calcolo - Comune di Terni

Piano 2	3 - 4	P	- 23090	21825	0.10	0.32	4.83	2090	2113	7001	29.9	0.0	3407	3.62	0.70	4.83	2392	2392	2392	100.0	70.7
Piano 2	3 - 4	P	- 24221	26289	0.10	0.30	4.83	2518	2545	7981	31.5	0.0	3682	3.61	0.69	4.83	2523	2523	2523	100.0	70.6
Piano 2	3 - 4	P	- 12543	5043	0.10	0.43	4.83	483	488	2193	22.0	0.0	1947	3.60	0.67	4.83	1311	1311	1311	100.0	70.5
Piano 2	3 - 4	P	- 11925	4599	0.10	0.44	4.83	440	445	2024	21.8	0.0	1883	3.60	0.66	4.83	1251	1251	1251	100.0	70.4
Piano 2	3 - 4	P	- 22949	26647	0.10	0.29	4.83	2552	2579	7688	33.2	0.0	3703	3.59	0.65	4.83	2416	2416	2416	100.0	70.4
Piano 2	3 - 4	P	- 20560	22156	0.10	0.29	4.83	2122	2145	6413	33.1	0.0	3428	3.58	0.64	4.83	2177	2177	2177	100.0	70.2
Piano 2	3 - 4	P	- 15545	11862	0.10	0.32	4.83	1136	1148	3805	29.9	0.0	2675	3.57	0.62	4.83	1656	1656	1656	100.0	70.1
Piano 2	6 - 4	P	- 14794	8544	3.57	0.53	4.83	2329	2438	2329	100.0	70.7	2087	0.09	0.84	4.83	140	140	1363	10.3	0.0
Piano 2	5 - 4	P	-7870	2366	3.57	0.67	4.83	829	833	829	100.0	69.7	1308	0.09	0.73	4.83	98	98	760	12.9	0.0
Piano 2	6 - 5	C	- 79755	15884 6	2.41	0.25	2.41	19820	19863	19820	100.0	100.0	8849	0.07	1.09	2.41	405	405	6178	6.6	0.0
Piano 2	9 - 5	P	- 40586	74493	0.08	0.20	4.83	6329	6329	14569	43.4	0.0	4380	3.60	0.80	4.83	3491	3491	3491	100.0	69.4
Piano 2	10 - 5	P	- 18087	14361	0.08	0.33	4.83	1220	1220	4793	25.5	0.0	2010	3.58	0.78	4.83	1566	1566	1566	100.0	69.3
Piano 2	10 - 5	P	- 31617	52381	0.08	0.22	4.83	4450	4450	11348	39.2	0.0	3613	3.57	0.76	4.83	2755	2755	2755	100.0	69.1
Piano 2	8 - 6	P	- 42636	32020	0.06	0.43	4.83	2013	2013	13893	14.5	0.0	4008	3.60	1.01	4.83	4034	4034	4034	100.0	67.7
Piano 2	7 - 6	P	- 14390	1888	0.06	0.86	4.83	119	119	1615	7.3	0.0	1375	3.59	0.99	4.83	1366	1366	1366	100.0	67.6
Piano 2	7 - 6	P	- 14199	1888	0.06	0.85	4.83	119	119	1597	7.4	0.0	1375	3.58	0.98	4.83	1352	1352	1352	100.0	67.5
Piano 2	7 - 6	P	- 23673	8212	0.06	0.55	4.83	516	516	4520	11.4	0.0	2328	3.57	0.97	4.83	2260	2260	2260	100.0	67.4
Piano 2	7 - 10	E	-6595	341	3.60	1.23	4.83	419	1226	419	100.0	65.7	526	0.06	1.00	4.83	34	34	524	6.4	0.0
Piano 2	7 - 10	C	- 75273	15559 6	2.41	0.25	2.41	19604	20709	19604	100.0	100.0	7072	0.08	1.19	2.41	343	343	5329	6.4	0.0
Piano 2	8 - 9	C	- 10256 8	21608 3	2.41	0.28	2.41	30723	31288	30723	100.0	100.0	9109	0.07	1.25	2.41	407	407	6868	5.9	0.0
Piano 3	1 - 2	E	- 33622	18644 5	0.13	0.13	1.93	23323	23323	24605	94.8	0.0	9902	0.01	0.36	3.87	66	66	3526	1.9	0.0
Piano 3	1 - 3	E	-9025	24656	0.13	0.14	3.87	3084	3084	3431	89.9	0.0	2974	0.01	0.32	3.87	44	44	957	4.6	0.0
Piano 3	1 - 8	E	- 10611	18535	0.00	0.18	3.87	32	32	3327	1.0	0.0	2946	0.12	0.39	3.87	364	364	1143	31.9	0.0
Piano 3	1 - 8	E	-8047	9389	0.00	0.21	3.87	16	16	1927	0.8	0.0	2249	0.12	0.39	3.87	268	268	867	30.9	0.0
Piano 3	1 - 8	E	-8237	10140	0.00	0.20	3.87	17	17	2033	0.9	0.0	2316	0.12	0.38	3.87	267	267	888	30.0	0.0
Piano 3	1 - 7	E	- 17930	60344	0.00	0.16	3.87	103	103	9714	1.1	0.0	5082	0.11	0.38	3.87	559	559	1934	28.9	0.0
Piano 3	2 - 3	E	-5092	7185	0.13	0.16	3.87	899	899	1177	76.4	0.0	1796	0.02	0.30	3.87	35	35	544	6.4	0.0
Piano 3	2 - 9	E	- 22124	12986 6	0.01	0.13	1.93	1875	1875	17413	10.8	0.0	5820	0.12	0.36	3.87	704	704	2086	33.7	0.0
Piano 3	2 - 10	E	- 20436	11922 6	0.01	0.14	1.93	1722	1722	16261	10.6	0.0	5467	0.11	0.35	3.87	610	610	1930	31.6	0.0
Piano 3	3 - 4	E	-7987	17522	0.02	0.14	3.87	363	363	2492	14.6	0.0	2878	0.12	0.30	3.87	356	356	876	40.6	0.0
Piano 3	3 - 4	E	- 12230	46541	0.02	0.13	3.87	964	964	5906	16.3	0.0	4453	0.12	0.30	3.87	528	528	1342	39.3	0.0
Piano 3	3 - 4	E	- 22104	13367 0	0.02	0.15	3.87	2769	2769	19585	14.1	0.0	8163	0.11	0.30	3.87	909	909	2428	37.4	0.0
Piano 3	3 - 4	E	- 21959	13584 9	0.02	0.14	3.87	2814	2814	19690	14.3	0.0	8253	0.10	0.29	3.87	848	848	2414	35.1	0.0
Piano 3	3 - 4	E	- 11673	46541	0.02	0.12	3.87	964	964	5652	17.1	0.0	4453	0.10	0.29	3.87	425	425	1285	33.1	0.0
Piano 3	3 - 4	E	-8768	25665	0.02	0.13	3.87	532	532	3227	16.5	0.0	3382	0.09	0.29	3.87	305	305	966	31.6	0.0
Piano 3	6 - 4	E	- 47380	31192 9	0.09	0.12	1.93	27623	27623	36866	74.9	0.0	15348	0.01	0.33	3.87	140	140	5017	2.8	0.0
Piano 3	5 - 4	E	-5030	8399	0.09	0.15	3.87	744	744	1241	59.9	0.0	1907	0.02	0.28	3.87	37	37	540	6.9	0.0
Piano 3	10 - 5	E	- 35377	24512 1	0.01	0.12	1.93	3540	3540	28717	12.3	0.0	9757	0.10	0.34	3.87	929	929	3351	27.7	0.0
Piano 3	8 - 6	E	- 18416	64629	0.00	0.16	3.87	110	110	10356	1.1	0.0	5271	0.10	0.38	3.87	547	547	1988	27.5	0.0
Piano 3	7 - 6	E	-7793	9389	0.00	0.20	3.87	16	16	1871	0.9	0.0	2249	0.10	0.37	3.87	222	222	842	26.3	0.0
Piano 3	7 - 6	E	-7743	9389	0.00	0.20	3.87	16	16	1860	0.9	0.0	2249	0.09	0.37	3.87	212	212	837	25.4	0.0
Piano 3	7 - 6	E	- 10381	19925	0.00	0.17	3.87	34	34	3368	1.0	0.0	3036	0.09	0.37	3.87	273	273	1123	24.4	0.0
Piano 3	7 - 10	E	- 30670	17959 5	0.10	0.13	1.93	18626	18626	23013	80.9	0.0	7494	0.01	0.38	3.87	52	52	2871	1.8	0.0
Piano 3	7 - 10	E	-1766	394	0.10	0.38	3.87	41	41	151	27.0	0.0	475	0.01	0.35	3.87	7	7	167	3.9	0.0
Piano 3	8 - 9	E	- 30983	17959 5	0.11	0.13	1.93	19723	19723	23097	85.4	0.0	7494	0.01	0.39	3.87	52	52	2897	1.8	0.0
Piano 3	8 - 9	E	-1785	394	0.11	0.39	3.87	43	43	153	28.3	0.0	475	0.01	0.35	3.87	7	7	169	3.9	0.0
Piano 3	9 - 10	E	-5328	8834	0.01	0.16	3.87	128	128	1390	9.2	0.0	1444	0.10	0.35	3.87	151	151	504	30.0	0.0



**Cond\_Y\_2(+); E(+); S2(+)** : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
**Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L,0</sub>	% δ <sub>L,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t,0</sub>	% δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 50232	53848 1	0.04	0.06	1.00	20860	20860	34523	60.4	0.0	13670 3	0.01	0.10	2.00	1244	1244	13435	9.3	0.0
Piano 1	1 - 3	E	- 50403	38413 5	0.04	0.07	1.00	14881	14881	28607	52.0	0.0	10050 8	0.01	0.13	2.00	789	789	12883	6.1	0.0
Piano 1	1 - 8	E	- 12992	11168 6	0.01	0.08	2.00	1090	1090	8519	12.8	0.0	42825	0.04	0.09	2.00	1668	1668	3651	45.7	0.0
Piano 1	1 - 8	E	- 13681	11168 6	0.01	0.08	2.00	1090	1090	8938	12.2	0.0	42825	0.04	0.09	2.00	1691	1691	3831	44.1	0.0
Piano 1	1 - 8	E	- 14369	11168 6	0.01	0.08	2.00	1090	1090	9354	11.7	0.0	42825	0.04	0.09	2.00	1713	1713	4009	42.7	0.0
Piano 1	1 - 7	E	- 24950	23759 5	0.01	0.11	1.00	2318	2318	25067	9.2	0.0	70355	0.04	0.10	2.00	2858	2858	6931	41.2	0.0
Piano 1	2 - 5	E	- 23569 1	17716 02	0.01	0.07	1.00	14421	14421	12764 9	11.3	0.0	32623 2	0.04	0.15	2.00	13398	13398	49493	27.1	0.0
Piano 1	3 - 4	E	- 24938	11858 3	0.01	0.11	1.00	872	872	13366	6.5	0.0	44354	0.04	0.15	2.00	1728	1728	6604	26.2	0.0
Piano 1	3 - 4	E	- 23340 4	15388 80	0.01	0.11	1.00	11312	11312	16291 6	6.9	0.0	37930 5	0.04	0.16	2.00	15433	15433	61031	25.3	0.0
Piano 1	3 - 4	E	- 48267	24454 8	0.01	0.13	1.00	1798	1798	31894	5.6	0.0	71884	0.04	0.17	2.00	3056	3056	12452	24.5	0.0
Piano 1	3 - 4	E	- 33710	13862 8	0.01	0.13	1.00	1019	1019	17434	5.8	0.0	48759	0.04	0.18	2.00	2104	2104	8654	24.3	0.0
Piano 1	6 - 4	E	- 11381 3	84068 1	0.04	0.07	1.00	36483	36483	61488	59.3	0.0	20901 7	0.01	0.14	2.00	1836	1836	28657	6.4	0.0
Piano 1	5 - 4	E	- 19131	61299	0.04	0.10	1.00	2660	2660	6055	43.9	0.0	28193	0.01	0.16	2.00	213	213	4590	4.6	0.0
Piano 1	8 - 6	E	- 26096	22840 1	0.01	0.11	1.00	2229	2241	24918	8.9	0.0	68336	0.04	0.11	2.00	2836	2836	7205	39.4	0.0
Piano 1	7 - 6	E	- 17162	11168 6	0.01	0.10	2.00	1090	1096	11009	9.9	0.0	42825	0.04	0.11	2.00	1804	1804	4718	38.2	0.0
Piano 1	7 - 6	E	- 17851	11168 6	0.01	0.10	1.00	1090	1096	11243	9.7	0.0	42825	0.04	0.11	2.00	1826	1826	4889	37.3	0.0
Piano 1	7 - 6	E	- 19343	11996 7	0.01	0.10	1.00	1171	1177	12383	9.5	0.0	44660	0.04	0.12	2.00	1928	1928	5278	36.5	0.0
Piano 1	7 - 10	E	- 67360	57445 0	0.04	0.07	1.00	23821	23821	39852	59.8	0.0	10798 6	0.01	0.13	2.00	966	966	14513	6.7	0.0
Piano 1	8 - 9	E	- 63886	57445 0	0.04	0.07	1.00	23370	23370	39038	59.9	0.0	10798 6	0.01	0.13	2.00	966	966	13878	7.0	0.0
Piano 2	1 - 2	P	-4383	375	1.53	1.24	4.83	239	296	239	100.0	8.2	694	0.18	0.74	4.83	101	101	411	24.5	0.0
Piano 2	1 - 2	C	- 46107	91214	1.93	0.29	2.41	13354	13754	13354	100.0	100.0	6160	0.13	0.96	2.41	567	567	4100	13.8	0.0
Piano 2	1 - 3	P	- 18691	8358	1.53	0.63	4.83	2665	2740	2665	100.0	21.5	2070	0.07	0.98	4.83	113	113	1576	7.2	0.0
Piano 2	1 - 8	P	- 13015	6343	0.19	0.39	4.83	1199	1199	2502	47.9	0.0	2116	1.54	0.65	4.83	1376	1376	1376	100.0	21.4
Piano 2	1 - 8	P	-8524	1888	0.19	0.57	4.83	357	357	1068	33.4	0.0	1375	1.58	0.66	4.83	904	904	904	100.0	22.2
Piano 2	1 - 8	P	-8584	1888	0.19	0.57	4.83	357	357	1079	33.1	0.0	1375	1.62	0.66	4.83	913	913	913	100.0	22.9
Piano 2	1 - 7	P	- 26650	36218	0.19	0.28	4.83	6845	6845	10276	66.6	0.0	4232	1.67	0.67	4.83	2826	2826	2826	100.0	24.0
Piano 2	2 - 3	P	- 10739	1313	1.53	1.00	4.83	887	1360	887	100.0	13.9	1065	0.03	0.98	4.83	25	25	909	2.7	0.0
Piano 2	2 - 9	P	- 17783	8770	0.07	0.42	4.83	648	648	3713	17.5	0.0	1655	1.54	0.89	4.83	1474	1474	1474	100.0	16.6
Piano 2	2 - 9	P	- 44213	65867	0.07	0.21	4.83	4870	4870	13966	34.9	0.0	4086	1.60	0.89	4.83	3654	3654	3654	100.0	17.9
Piano 2	2 - 10	P	- 27368	24333	0.07	0.35	4.83	1799	1799	8604	20.9	0.0	2509	1.66	0.90	4.83	2257	2257	2257	100.0	19.4
Piano 2	3 - 4	C	- 24004	8212	0.02	0.56	2.41	145	416	4579	3.2	0.0	2328	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	3 - 4	P	- 35326	21825	0.02	0.45	4.83	385	1106	9833	3.9	0.0	3407	1.59	0.99	4.83	3359	3359	3359	100.0	15.7
Piano 2	3 - 4	P	- 38409	26289	0.02	0.44	4.83	464	1332	11539	4.0	0.0	3682	1.64	0.99	4.83	3647	3647	3647	100.0	17.0
Piano 2	3 - 4	P	- 20391	5043	0.02	0.64	4.83	89	256	3236	2.7	0.0	1947	1.68	0.99	4.83	1935	1935	1935	100.0	17.9
Piano 2	3 - 4	P	- 19791	4599	0.02	0.66	4.83	81	233	3036	2.7	0.0	1883	1.71	1.00	4.83	1876	1876	1876	100.0	18.6
Piano 2	3 - 4	P	- 39071	26647	0.02	0.44	4.83	470	1350	11746	4.0	0.0	3703	1.75	1.00	4.83	3692	3692	3692	100.0	19.5
Piano 2	3 - 4	P	- 36383	22156	0.02	0.46	4.83	391	1123	10111	3.9	0.0	3428	1.80	1.00	4.83	3433	3433	3433	100.0	20.8
Piano 2	3 - 4	P	- 28544	11862	0.02	0.52	4.83	209	601	6164	3.4	0.0	2675	1.85	1.00	4.83	2682	2682	2682	100.0	22.1
Piano 2	6 - 4	P	- 19667	8544	1.86	0.63	4.83	2760	2803	2760	100.0	29.3	2087	0.07	0.99	4.83	114	114	1615	7.0	0.0
Piano 2	5 - 4	P	- 13664	2366	1.86	0.97	4.83	1194	1257	1194	100.0	23.1	1308	0.03	1.05	4.83	29	29	1095	2.6	0.0
Piano 2	6 - 5	C	- 67125	15884 6	1.93	0.24	2.41	18861	23316	18861	100.0	100.0	8849	0.15	1.02	2.41	828	828	5780	14.3	0.0
Piano 2	9 - 5	P	- 48157	74493	0.07	0.21	4.83	5508	5508	15592	35.3	0.0	4380	1.72	0.90	4.83	3958	3958	3958	100.0	20.9
Piano 2	10 - 5	P	- 22268	14361	0.07	0.39	4.83	1062	1062	5581	19.0	0.0	2010	1.78	0.91	4.83	1824	1824	1824	100.0	22.3
Piano 2	10 - 5	P	- 40304	52381	0.07	0.24	4.83	3873	3873	12482	31.0	0.0	3613	1.84	0.91	4.83	3293	3293	3293	100.0	23.6



Piano 2	8 - 6	P	- 25511	32020	0.19	0.29	4.83	6052	6052	9321	64.9	0.0	4008	1.72	0.68	4.83	2707	2707	2707	100.0	25.3
Piano 2	7 - 6	P	-8831	1888	0.19	0.59	4.83	357	357	1108	32.2	0.0	1375	1.77	0.68	4.83	938	938	938	100.0	26.3
Piano 2	7 - 6	P	-8891	1888	0.19	0.59	4.83	357	357	1113	32.1	0.0	1375	1.81	0.68	4.83	942	942	942	100.0	27.1
Piano 2	7 - 6	P	- 15158	8212	0.19	0.39	4.83	1552	1552	3213	48.3	0.0	2328	1.85	0.69	4.83	1606	1606	1606	100.0	28.0
Piano 2	7 - 10	P	-4128	341	1.72	1.27	4.83	224	304	224	100.0	12.8	526	0.18	0.83	4.83	76	76	350	21.9	0.0
Piano 2	7 - 10	C	- 68416	15559 6	1.93	0.25	2.41	19072	21370	19072	100.0	100.0	7072	0.12	1.14	2.41	536	536	5141	10.4	0.0
Piano 2	8 - 9	C	- 84223	21608 3	1.93	0.27	2.41	28911	29119	28911	100.0	100.0	9109	0.13	1.16	2.41	723	723	6382	11.3	0.0
Piano 3	1 - 2	E	- 29245	18644 5	0.13	0.13	1.93	23421	23421	23421	100.0	0.5	9902	0.02	0.31	3.87	209	209	3110	6.7	0.0
Piano 3	1 - 3	E	-9415	24656	0.13	0.14	3.87	3300	3300	3565	92.6	0.0	2974	0.02	0.33	3.87	53	53	995	5.4	0.0
Piano 3	1 - 8	E	-8330	18535	0.02	0.14	3.87	425	425	2657	16.0	0.0	2946	0.13	0.31	3.87	396	396	913	43.4	0.0
Piano 3	1 - 8	E	-6362	9389	0.02	0.16	3.87	215	215	1549	13.9	0.0	2249	0.14	0.31	3.87	306	306	697	43.9	0.0
Piano 3	1 - 8	E	-6555	10140	0.02	0.16	3.87	232	232	1644	14.1	0.0	2316	0.14	0.31	3.87	319	319	718	44.4	0.0
Piano 3	1 - 7	E	- 14391	60344	0.02	0.13	3.87	1383	1383	7917	17.5	0.0	5082	0.14	0.31	3.87	709	709	1576	45.0	0.0
Piano 3	2 - 3	E	-5895	7185	0.13	0.19	3.87	962	962	1343	71.6	0.0	1796	0.02	0.35	3.87	29	29	620	4.7	0.0
Piano 3	2 - 9	E	- 23004	12986 6	0.02	0.14	1.93	2357	2357	17653	13.4	0.0	5820	0.14	0.37	3.87	788	788	2161	36.5	0.0
Piano 3	2 - 10	E	- 21627	11922 6	0.02	0.14	1.93	2164	2164	16587	13.0	0.0	5467	0.14	0.37	3.87	759	759	2031	37.4	0.0
Piano 3	3 - 4	E	-9537	17522	0.02	0.17	3.87	277	277	2941	9.4	0.0	2878	0.13	0.36	3.87	387	387	1034	37.4	0.0
Piano 3	3 - 4	E	- 14760	46541	0.02	0.15	3.87	735	735	7040	10.4	0.0	4453	0.14	0.36	3.87	607	607	1600	37.9	0.0
Piano 3	3 - 4	E	- 27076	13367 0	0.02	0.18	3.87	2112	2112	23674	8.9	0.0	8163	0.14	0.36	3.87	1135	1135	2935	38.7	0.0
Piano 3	3 - 4	E	- 27395	13584 9	0.02	0.18	3.87	2147	2147	24216	8.9	0.0	8253	0.14	0.36	3.87	1174	1174	2969	39.5	0.0
Piano 3	3 - 4	E	- 14789	46541	0.02	0.15	3.87	735	735	7053	10.4	0.0	4453	0.14	0.36	3.87	645	645	1603	40.3	0.0
Piano 3	3 - 4	E	- 11239	25665	0.02	0.16	3.87	406	406	4071	10.0	0.0	3382	0.15	0.36	3.87	497	497	1218	40.8	0.0
Piano 3	6 - 4	E	- 46471	31192 9	0.15	0.12	1.93	36617	36617	36617	100.0	1.7	15348	0.02	0.32	3.87	309	309	4930	6.3	0.0
Piano 3	5 - 4	E	-6276	8399	0.15	0.18	3.87	1239	1239	1517	81.7	0.0	1907	0.02	0.35	3.87	31	31	660	4.7	0.0
Piano 3	10 - 5	E	- 38655	24512 1	0.02	0.12	1.93	4449	4449	29618	15.0	0.0	9757	0.15	0.37	3.87	1415	1415	3630	39.0	0.0
Piano 3	8 - 6	E	- 14935	64629	0.02	0.13	3.87	1481	1481	8522	17.4	0.0	5271	0.14	0.31	3.87	748	748	1636	45.7	0.0
Piano 3	7 - 6	E	-6375	9389	0.02	0.17	3.87	215	215	1552	13.9	0.0	2249	0.14	0.31	3.87	323	323	698	46.3	0.0
Piano 3	7 - 6	E	-6378	9389	0.02	0.17	3.87	215	215	1552	13.9	0.0	2249	0.15	0.31	3.87	327	327	699	46.8	0.0
Piano 3	7 - 6	E	-8614	19925	0.02	0.14	3.87	457	457	2830	16.1	0.0	3036	0.15	0.31	3.87	446	446	943	47.3	0.0
Piano 3	7 - 10	E	- 27869	17959 5	0.14	0.12	1.93	22251	22251	22251	100.0	1.0	7494	0.02	0.35	3.87	157	157	2633	6.0	0.0
Piano 3	7 - 10	E	-1870	394	0.14	0.41	3.87	56	56	159	35.0	0.0	475	0.02	0.37	3.87	9	9	176	5.0	0.0
Piano 3	8 - 9	E	- 27853	17959 5	0.14	0.12	1.93	22246	22246	22246	100.0	0.9	7494	0.02	0.35	3.87	157	157	2632	6.0	0.0
Piano 3	8 - 9	E	-1869	394	0.14	0.40	3.87	55	55	159	34.5	0.0	475	0.02	0.37	3.87	9	9	176	5.0	0.0
Piano 3	9 - 10	E	-5716	8834	0.02	0.17	3.87	160	160	1482	10.8	0.0	1444	0.14	0.37	3.87	204	204	537	38.1	0.0

Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>0</sub>	%_δ <sub>u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>0</sub>	%_δ <sub>u</sub>
Piano 1	1 - 2	E	- 61315	53848 1	0.04	0.07	1.00	19070	19070	37237	51.2	0.0	13670 3	0.01	0.12	2.00	841	841	15960	5.3	0.0
Piano 1	1 - 3	E	- 58615	38413 5	0.04	0.08	1.00	13604	13604	30405	44.7	0.0	10050 8	0.01	0.14	2.00	912	912	14558	6.3	0.0
Piano 1	1 - 8	E	- 16122	11168 6	0.00	0.09	2.00	515	515	10399	4.9	0.0	42825	0.04	0.10	2.00	1538	1538	4457	34.5	0.0
Piano 1	1 - 8	E	- 16024	11168 6	0.00	0.09	2.00	515	515	10341	5.0	0.0	42825	0.04	0.10	2.00	1591	1591	4432	35.9	0.0
Piano 1	1 - 8	E	- 15926	11168 6	0.00	0.09	2.00	515	515	10283	5.0	0.0	42825	0.04	0.10	2.00	1643	1643	4407	37.3	0.0
Piano 1	1 - 7	E	- 25973	23759 5	0.00	0.11	1.00	1095	1095	25382	4.3	0.0	70355	0.04	0.10	2.00	2802	2802	7192	39.0	0.0
Piano 1	2 - 5	E	- 23555 4	17716 02	0.01	0.07	1.00	14878	14878	12761 9	11.7	0.0	32623 2	0.04	0.15	2.00	13333	13333	49470	27.0	0.0
Piano 1	3 - 4	E	- 28225	11858 3	0.01	0.12	1.00	1215	1215	13984	8.7	0.0	44354	0.04	0.17	2.00	1594	1594	7343	21.7	0.0
Piano 1	3 - 4	E	- 23850 7	15388 80	0.01	0.11	1.00	15768	15768	16422 1	9.6	0.0	37930 5	0.04	0.16	2.00	15164	15164	62165	24.4	0.0
Piano 1	3 - 4	E	- 44626	24454 8	0.01	0.13	1.00	2506	2506	30976	8.1	0.0	71884	0.04	0.16	2.00	3181	3181	11654	27.3	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	3 - 4	E	- 30132	13862 8	0.01	0.12	1.00	1420	1420	16717	8.5	0.0	48759	0.05	0.16	2.00	2232	2232	7874	28.3	0.0
Piano 1	6 - 4	E	- 96566	84068 1	0.05	0.07	1.00	38945	38945	57596	67.6	0.0	20901 7	0.01	0.12	2.00	1439	1439	25020	5.8	0.0
Piano 1	5 - 4	E	- 16822	61299	0.05	0.09	1.00	2840	2840	5739	49.5	0.0	28193	0.01	0.15	2.00	276	276	4158	6.6	0.0
Piano 1	8 - 6	E	- 24962	22840 1	0.00	0.11	1.00	1052	1052	24573	4.3	0.0	68336	0.04	0.10	2.00	2863	2863	6918	41.4	0.0
Piano 1	7 - 6	E	- 15528	11168 6	0.00	0.09	2.00	515	515	10047	5.1	0.0	42825	0.04	0.10	2.00	1856	1856	4306	43.1	0.0
Piano 1	7 - 6	E	- 15430	11168 6	0.00	0.09	2.00	515	515	9989	5.2	0.0	42825	0.04	0.10	2.00	1908	1908	4281	44.6	0.0
Piano 1	7 - 6	E	- 15988	11996 7	0.00	0.09	2.00	553	553	10799	5.1	0.0	44660	0.05	0.10	2.00	2045	2045	4438	46.1	0.0
Piano 1	7 - 10	E	- 65234	57445 0	0.04	0.07	1.00	24016	24016	39356	61.0	0.0	10798 6	0.01	0.13	2.00	704	704	14126	5.0	0.0
Piano 1	8 - 9	E	- 65728	57445 0	0.04	0.07	1.00	22960	22960	39472	58.2	0.0	10798 6	0.01	0.13	2.00	704	704	14217	4.9	0.0
Piano 2	1 - 2	C	-4916	375	0.00	0.00	0.00	0	250	0	100.0	100.0	694	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	1 - 2	C	- 50893	91214	2.41	0.30	2.41	13779	13850	13779	100.0	100.0	6160	0.03	1.01	2.41	115	115	4295	2.7	0.0
Piano 2	1 - 3	C	- 20324	8358	4.83	0.66	4.83	2799	2911	2799	100.0	100.0	2070	0.10	1.03	4.83	160	160	1655	9.7	0.0
Piano 2	1 - 8	C	- 14520	6343	0.04	0.43	4.83	228	238	2729	8.4	0.0	2116	4.83	0.71	4.83	1501	1501	1501	100.0	100.0
Piano 2	1 - 8	C	-9250	1888	0.04	0.60	4.83	68	71	1138	6.0	0.0	1375	4.83	0.70	4.83	963	963	963	100.0	100.0
Piano 2	1 - 8	C	-9075	1888	0.04	0.60	4.83	68	71	1125	6.0	0.0	1375	4.83	0.69	4.83	952	952	952	100.0	100.0
Piano 2	1 - 7	C	- 27234	36218	0.04	0.29	4.83	1302	1356	10486	12.4	0.0	4232	4.83	0.68	4.83	2884	2884	2884	100.0	100.0
Piano 2	2 - 3	C	- 11588	1313	4.83	0.90	4.83	1060	1132	1060	100.0	100.0	1065	0.15	0.96	4.83	153	153	984	15.5	0.0
Piano 2	2 - 9	C	- 19221	8770	0.09	0.45	4.83	831	831	3926	21.2	0.0	1655	4.83	0.94	4.83	1558	1558	1558	100.0	100.0
Piano 2	2 - 9	C	- 46511	65867	0.09	0.22	4.83	6240	6240	14261	43.8	0.0	4086	4.83	0.93	4.83	3791	3791	3791	100.0	100.0
Piano 2	2 - 10	C	- 27940	24333	0.09	0.36	4.83	2305	2305	8673	26.6	0.0	2509	4.83	0.91	4.83	2289	2289	2289	100.0	100.0
Piano 2	3 - 4	C	- 25727	8212	0.16	0.59	2.41	1303	1303	4828	27.0	0.0	2328	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	3 - 4	C	- 37095	21825	0.16	0.47	2.41	3463	3463	10220	33.9	0.0	3407	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	3 - 4	C	- 39422	26289	0.16	0.45	4.83	4171	4171	11751	35.5	0.0	3682	4.83	1.01	4.83	3714	3714	3714	100.0	100.0
Piano 2	3 - 4	C	- 20603	5043	0.16	0.65	4.83	800	800	3255	24.6	0.0	1947	4.83	1.00	4.83	1946	1946	1946	100.0	100.0
Piano 2	3 - 4	C	- 19741	4599	0.16	0.66	4.83	730	730	3016	24.2	0.0	1883	4.83	0.99	4.83	1864	1864	1864	100.0	100.0
Piano 2	3 - 4	C	- 38362	26647	0.16	0.43	4.83	4228	4228	11553	36.6	0.0	3703	4.83	0.98	4.83	3631	3631	3631	100.0	100.0
Piano 2	3 - 4	C	- 34888	22156	0.16	0.44	4.83	3516	3516	9739	36.1	0.0	3428	4.83	0.96	4.83	3307	3307	3307	100.0	100.0
Piano 2	3 - 4	C	- 26769	11862	0.16	0.49	4.83	1882	1882	5838	32.2	0.0	2675	4.83	0.95	4.83	2540	2540	2540	100.0	100.0
Piano 2	6 - 4	C	- 18126	8544	4.83	0.60	4.83	2635	2660	2635	100.0	100.0	2087	0.10	0.95	4.83	162	162	1542	10.5	0.0
Piano 2	5 - 4	C	- 12709	2366	4.83	0.93	4.83	1141	1188	1141	100.0	100.0	1308	0.15	1.00	4.83	153	153	1046	14.7	0.0
Piano 2	6 - 5	C	- 60467	15884 6	2.41	0.23	2.41	18428	18502	18428	100.0	100.0	8849	0.01	0.98	2.41	77	77	5588	1.4	0.0
Piano 2	9 - 5	C	- 47650	74493	0.09	0.21	4.83	7057	7057	15519	45.5	0.0	4380	4.83	0.90	4.83	3925	3925	3925	100.0	100.0
Piano 2	10 - 5	C	- 21377	14361	0.09	0.38	4.83	1360	1360	5418	25.1	0.0	2010	4.83	0.88	4.83	1771	1771	1771	100.0	100.0
Piano 2	10 - 5	C	- 37608	52381	0.09	0.23	4.83	4962	4962	12137	40.9	0.0	3613	4.83	0.87	4.83	3132	3132	3132	100.0	100.0
Piano 2	8 - 6	C	- 24995	32020	0.04	0.29	4.83	1151	1199	9214	12.5	0.0	4008	4.83	0.67	4.83	2676	2676	2676	100.0	100.0
Piano 2	7 - 6	C	-8358	1888	0.04	0.57	4.83	68	71	1069	6.4	0.0	1375	4.83	0.66	4.83	904	904	904	100.0	100.0
Piano 2	7 - 6	C	-8183	1888	0.04	0.56	4.83	68	71	1057	6.4	0.0	1375	4.83	0.65	4.83	894	894	894	100.0	100.0
Piano 2	7 - 6	C	- 13524	8212	0.04	0.36	4.83	295	308	2988	9.9	0.0	2328	4.83	0.64	4.83	1494	1494	1494	100.0	100.0
Piano 2	7 - 10	C	-4049	341	4.83	1.26	4.83	221	262	221	100.0	100.0	526	0.03	0.82	4.83	12	12	346	3.4	0.0
Piano 2	7 - 10	C	- 67442	15559 6	2.41	0.24	2.41	19003	19550	19003	100.0	100.0	7072	0.04	1.14	2.41	194	194	5116	3.8	0.0
Piano 2	8 - 9	C	- 85751	21608 3	2.41	0.27	2.41	29072	29304	29072	100.0	100.0	9109	0.03	1.17	2.41	163	163	6428	2.5	0.0
Piano 3	1 - 2	E	- 30480	18644 5	0.14	0.13	1.93	23761	23761	23761	100.0	0.7	9902	0.02	0.33	3.87	170	170	3229	5.3	0.0
Piano 3	1 - 3	E	-9802	24656	0.14	0.15	3.87	3454	3454	3696	93.5	0.0	2974	0.02	0.35	3.87	55	55	1031	5.4	0.0
Piano 3	1 - 8	E	-8658	18535	0.02	0.15	3.87	304	304	2755	11.0	0.0	2946	0.14	0.32	3.87	413	413	946	43.7	0.0
Piano 3	1 - 8	E	-6545	9389	0.02	0.17	3.87	154	154	1591	9.7	0.0	2249	0.14	0.32	3.87	317	317	716	44.3	0.0
Piano 3	1 - 8	E	-6680	10140	0.02	0.16	3.87	166	166	1673	9.9	0.0	2316	0.14	0.32	3.87	328	328	731	44.9	0.0
Piano 3	1 - 7	E	- 14485	60344	0.02	0.13	3.87	990	990	7966	12.4	0.0	5082	0.14	0.31	3.87	725	725	1586	45.7	0.0
Piano 3	2 - 3	E	-6134	7185	0.14	0.19	3.87	1007	1007	1391	72.4	0.0	1796	0.02	0.36	3.87	35	35	643	5.4	0.0
Piano 3	2 - 9	E	- 23744	12986 6	0.02	0.14	1.93	2401	2401	17852	13.5	0.0	5820	0.14	0.38	3.87	819	819	2223	36.9	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	2 - 10	E	- 21888	11922 6	0.02	0.14	1.93	2205	2205	16657	13.2	0.0	5467	0.14	0.38	3.87	778	778	2053	37.9	0.0
Piano 3	3 - 4	E	-9894	17522	0.02	0.17	3.87	342	342	3042	11.2	0.0	2878	0.14	0.37	3.87	404	404	1070	37.8	0.0
Piano 3	3 - 4	E	- 15155	46541	0.02	0.15	3.87	908	908	7214	12.6	0.0	4453	0.14	0.37	3.87	629	629	1640	38.3	0.0
Piano 3	3 - 4	E	- 27403	13367 0	0.02	0.18	3.87	2609	2609	23939	10.9	0.0	8163	0.14	0.36	3.87	1162	1162	2968	39.2	0.0
Piano 3	3 - 4	E	- 27238	13584 9	0.02	0.18	3.87	2651	2651	24086	11.0	0.0	8253	0.14	0.36	3.87	1186	1186	2953	40.2	0.0
Piano 3	3 - 4	E	- 14486	46541	0.02	0.15	3.87	908	908	6918	13.1	0.0	4453	0.14	0.35	3.87	645	645	1572	41.0	0.0
Piano 3	3 - 4	E	- 10886	25665	0.02	0.15	3.87	501	501	3952	12.7	0.0	3382	0.15	0.35	3.87	493	493	1182	41.7	0.0
Piano 3	6 - 4	E	- 44579	31192 9	0.15	0.12	1.93	36093	36093	36093	100.0	1.7	15348	0.02	0.31	3.87	271	271	4748	5.7	0.0
Piano 3	5 - 4	E	-6053	8399	0.15	0.17	3.87	1227	1227	1469	83.5	0.0	1907	0.02	0.34	3.87	37	37	639	5.8	0.0
Piano 3	10 - 5	E	- 37750	24512 1	0.02	0.12	1.93	4533	4533	29372	15.4	0.0	9757	0.14	0.36	3.87	1414	1414	3553	39.8	0.0
Piano 3	8 - 6	E	- 14806	64629	0.02	0.13	3.87	1061	1061	8453	12.5	0.0	5271	0.14	0.31	3.87	757	757	1623	46.6	0.0
Piano 3	7 - 6	E	-6240	9389	0.02	0.16	3.87	154	154	1521	10.1	0.0	2249	0.14	0.30	3.87	325	325	684	47.5	0.0
Piano 3	7 - 6	E	-6180	9389	0.02	0.16	3.87	154	154	1507	10.2	0.0	2249	0.15	0.30	3.87	326	326	678	48.1	0.0
Piano 3	7 - 6	E	-8256	19925	0.02	0.14	3.87	327	327	2720	12.0	0.0	3036	0.15	0.30	3.87	443	443	907	48.8	0.0
Piano 3	7 - 10	E	- 27670	17959 5	0.14	0.12	1.93	22196	22196	22196	100.0	1.1	7494	0.02	0.35	3.87	129	129	2616	4.9	0.0
Piano 3	7 - 10	E	-1860	394	0.14	0.40	3.87	57	57	159	35.6	0.0	475	0.02	0.37	3.87	9	9	175	5.0	0.0
Piano 3	8 - 9	E	- 28046	17959 5	0.14	0.12	1.93	22300	22300	22300	100.0	1.0	7494	0.02	0.35	3.87	129	129	2648	4.9	0.0
Piano 3	8 - 9	E	-1883	394	0.14	0.41	3.87	56	56	160	35.0	0.0	475	0.02	0.37	3.87	9	9	177	4.9	0.0
Piano 3	9 - 10	E	-5698	8834	0.02	0.17	3.87	163	163	1477	11.1	0.0	1444	0.14	0.37	3.87	207	207	535	38.7	0.0

**Cond\_Y\_2(+); E(-); S2(+)** : 27) - Sisma Y (+); 0.3 \* Sisma X (+); **Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/ cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>L,0</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>t</sub> 0	% δ <sub>t</sub> u	k <sub>t</sub> [daN/ cm]	δ <sub>t</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>t</sub> 0	% δ <sub>t</sub> u
Piano 1	1 - 2	E	- 50227	53848 1	0.05	0.06	1.00	24451	24451	34522	70.8	0.0	13670 3	0.01	0.10	2.00	900	900	13434	6.7	0.0
Piano 1	1 - 3	E	- 50406	38413 5	0.05	0.07	1.00	17443	17443	28607	61.0	0.0	10050 8	0.01	0.13	2.00	872	872	12884	6.8	0.0
Piano 1	1 - 8	E	- 12989	11168 6	0.01	0.08	2.00	613	613	8517	7.2	0.0	42825	0.05	0.09	2.00	1929	1929	3650	52.8	0.0
Piano 1	1 - 8	E	- 13678	11168 6	0.01	0.08	2.00	613	613	8936	6.9	0.0	42825	0.04	0.09	2.00	1892	1892	3830	49.4	0.0
Piano 1	1 - 8	E	- 14366	11168 6	0.01	0.08	2.00	613	613	9352	6.5	0.0	42825	0.04	0.09	2.00	1854	1854	4008	46.3	0.0
Piano 1	1 - 7	E	- 24945	23759 5	0.01	0.11	1.00	1303	1303	25066	5.2	0.0	70355	0.04	0.10	2.00	2973	2973	6930	42.9	0.0
Piano 1	2 - 5	E	- 23569 8	17716 02	0.01	0.07	1.00	14512	14512	12765 1	11.4	0.0	32623 2	0.04	0.15	2.00	13543	13543	49494	27.4	0.0
Piano 1	3 - 4	E	- 24941	11858 3	0.01	0.11	1.00	1128	1128	13366	8.4	0.0	44354	0.05	0.15	2.00	1997	1997	6604	30.2	0.0
Piano 1	3 - 4	E	- 23342 4	15388 80	0.01	0.11	1.00	14637	14637	16292 1	9.0	0.0	37930 5	0.04	0.16	2.00	15987	15987	61036	26.2	0.0
Piano 1	3 - 4	E	- 48271	24454 8	0.01	0.13	1.00	2326	2326	31895	7.3	0.0	71884	0.04	0.17	2.00	2811	2811	12452	22.6	0.0
Piano 1	3 - 4	E	- 33713	13862 8	0.01	0.13	1.00	1319	1319	17434	7.6	0.0	48759	0.04	0.18	2.00	1854	1854	8655	21.4	0.0
Piano 1	6 - 4	E	- 11381 0	84068 1	0.04	0.07	1.00	31623	31623	61488	51.4	0.0	20901 7	0.01	0.14	2.00	1486	1486	28656	5.2	0.0
Piano 1	5 - 4	E	- 19132	61299	0.04	0.10	1.00	2306	2306	6055	38.1	0.0	28193	0.01	0.16	2.00	259	259	4590	5.6	0.0
Piano 1	8 - 6	E	- 26092	22840 1	0.01	0.11	1.00	1253	1253	24917	5.0	0.0	68336	0.04	0.11	2.00	2786	2786	7204	38.7	0.0
Piano 1	7 - 6	E	- 17159	11168 6	0.01	0.10	2.00	613	613	11007	5.6	0.0	42825	0.04	0.11	2.00	1702	1702	4717	36.1	0.0
Piano 1	7 - 6	E	- 17848	11168 6	0.01	0.10	1.00	613	613	11243	5.4	0.0	42825	0.04	0.11	2.00	1665	1665	4889	34.1	0.0
Piano 1	7 - 6	E	- 19340	11996 7	0.01	0.10	1.00	658	658	12382	5.3	0.0	44660	0.04	0.12	2.00	1697	1697	5278	32.1	0.0
Piano 1	7 - 10	E	- 67357	57445 0	0.04	0.07	1.00	23462	23462	39852	58.9	0.0	10798 6	0.01	0.13	2.00	739	739	14512	5.1	0.0
Piano 1	8 - 9	E	- 63883	57445 0	0.04	0.07	1.00	24216	24216	39037	62.0	0.0	10798 6	0.01	0.13	2.00	739	739	13878	5.3	0.0
Piano 2	1 - 2	P	-4382	375	1.89	1.24	4.83	239	367	239	100.0	18.3	694	0.02	0.74	4.83	9	9	411	2.1	0.0
Piano 2	1 - 2	C	- 46105	91214	1.93	0.29	2.41	13436	14612	13436	100.0	100.0	6160	0.05	0.97	2.41	207	207	4138	5.0	0.0
Piano 2	1 - 3	P	- 18692	8358	1.89	0.62	4.83	2660	2748	2660	100.0	30.2	2070	0.09	0.97	4.83	149	149	1573	9.5	0.0
Piano 2	1 - 8	P	- 13013	6343	0.01	0.41	4.83	69	202	2569	2.7	0.0	2116	1.88	0.67	4.83	1413	1413	1413	100.0	29.2
Piano 2	1 - 8	P	-8523	1888	0.01	0.57	4.83	21	60	1085	1.9	0.0	1375	1.86	0.67	4.83	918	918	918	100.0	28.6
Piano 2	1 - 8	P	-8583	1888	0.01	0.58	4.83	21	60	1089	1.9	0.0	1375	1.83	0.67	4.83	922	922	922	100.0	27.9



## Relazione di calcolo - Comune di Terni

Piano 2	1 - 7	P	- 26647	36218	0.01	0.28	4.83	394	1151	10322	3.8	0.0	4232	1.80	0.67	4.83	2839	2839	2839	100.0	27.1
Piano 2	2 - 3	P	- 10739	1313	1.89	1.15	4.83	782	810	782	100.0	20.2	1065	0.12	1.03	4.83	103	103	878	11.8	0.0
Piano 2	2 - 9	P	- 17783	8770	0.09	0.42	4.83	784	784	3709	21.1	0.0	1655	1.88	0.89	4.83	1472	1472	1472	100.0	25.2
Piano 2	2 - 9	P	- 44214	65867	0.09	0.21	4.83	5887	5887	13958	42.2	0.0	4086	1.85	0.89	4.83	3651	3651	3651	100.0	24.2
Piano 2	2 - 10	P	- 27368	24333	0.09	0.35	4.83	2175	2175	8601	25.3	0.0	2509	1.80	0.90	4.83	2255	2255	2255	100.0	23.0
Piano 2	3 - 4	P	- 24006	8212	0.13	0.55	4.83	1049	1049	4552	23.1	0.0	2328	1.88	0.98	4.83	2276	2276	2276	100.0	23.5
Piano 2	3 - 4	P	- 35329	21825	0.13	0.45	4.83	2789	2789	9812	28.4	0.0	3407	1.85	0.98	4.83	3352	3352	3352	100.0	22.6
Piano 2	3 - 4	P	- 38411	26289	0.13	0.44	4.83	3360	3360	11513	29.2	0.0	3682	1.82	0.99	4.83	3639	3639	3639	100.0	21.5
Piano 2	3 - 4	P	- 20392	5043	0.13	0.64	4.83	644	644	3236	19.9	0.0	1947	1.79	0.99	4.83	1935	1935	1935	100.0	20.8
Piano 2	3 - 4	P	- 19792	4599	0.13	0.66	4.83	588	588	3036	19.4	0.0	1883	1.77	1.00	4.83	1876	1876	1876	100.0	20.2
Piano 2	3 - 4	P	- 39074	26647	0.13	0.44	4.83	3405	3405	11776	28.9	0.0	3703	1.75	1.00	4.83	3701	3701	3701	100.0	19.5
Piano 2	3 - 4	P	- 36386	22156	0.13	0.46	4.83	2831	2831	10138	27.9	0.0	3428	1.71	1.00	4.83	3442	3442	3442	100.0	18.5
Piano 2	3 - 4	C	- 28546	11862	0.13	0.52	2.41	1516	1516	6215	24.4	0.0	2675	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	6 - 4	P	- 19668	8544	1.67	0.63	4.83	2777	2824	2777	100.0	24.6	2087	0.09	1.00	4.83	150	150	1625	9.3	0.0
Piano 2	5 - 4	P	- 13665	2366	1.67	0.75	4.83	1506	1560	1506	100.0	22.5	1308	0.12	0.94	4.83	150	150	1163	12.9	0.0
Piano 2	6 - 5	C	- 67122	15884	1.93	0.24	2.41	18770	19189	18770	100.0	100.0	8849	0.04	1.01	2.41	231	231	5741	4.0	0.0
Piano 2	9 - 5	P	- 48158	74493	0.09	0.21	4.83	6658	6658	15600	42.7	0.0	4380	1.76	0.90	4.83	3962	3962	3962	100.0	21.8
Piano 2	10 - 5	P	- 22269	14361	0.09	0.39	4.83	1284	1284	5593	23.0	0.0	2010	1.72	0.91	4.83	1828	1828	1828	100.0	20.7
Piano 2	10 - 5	P	- 40305	52381	0.09	0.24	4.83	4682	4682	12508	37.4	0.0	3613	1.68	0.91	4.83	3305	3305	3305	100.0	19.7
Piano 2	8 - 6	P	- 25508	32020	0.01	0.29	4.83	348	1017	9281	3.7	0.0	4008	1.76	0.67	4.83	2695	2695	2695	100.0	26.2
Piano 2	7 - 6	P	- 8830	1888	0.01	0.58	4.83	21	60	1099	1.9	0.0	1375	1.73	0.68	4.83	930	930	930	100.0	25.3
Piano 2	7 - 6	P	- 8890	1888	0.01	0.58	4.83	21	60	1100	1.9	0.0	1375	1.70	0.68	4.83	931	931	931	100.0	24.7
Piano 2	7 - 6	P	- 15156	8212	0.01	0.39	4.83	89	261	3167	2.8	0.0	2328	1.68	0.68	4.83	1583	1583	1583	100.0	24.0
Piano 2	7 - 10	P	- 4128	341	1.76	1.27	4.83	224	310	224	100.0	13.8	526	0.02	0.83	4.83	7	7	350	1.9	0.0
Piano 2	7 - 10	C	- 68415	15559	1.93	0.24	2.41	19060	20883	19060	100.0	100.0	7072	0.06	1.14	2.41	262	262	5137	5.1	0.0
Piano 2	8 - 9	C	- 84220	21608	1.93	0.27	2.41	28910	30608	28910	100.0	100.0	9109	0.05	1.16	2.41	277	277	6382	4.3	0.0
Piano 3	1 - 2	P	- 29244	18644	0.16	0.15	1.93	14491	14653	14491	100.0	0.3	9902	0.01	0.49	1.93	59	59	2926	2.0	0.0
Piano 3	1 - 3	E	- 9415	24656	0.16	0.14	3.87	3565	3565	3565	100.0	0.4	2974	0.02	0.33	3.87	56	56	995	5.7	0.0
Piano 3	1 - 8	E	- 8330	18535	0.00	0.14	3.87	83	87	2657	3.1	0.0	2946	0.16	0.31	3.87	467	467	913	51.1	0.0
Piano 3	1 - 8	E	- 6361	9389	0.00	0.16	3.87	42	44	1549	2.7	0.0	2249	0.15	0.31	3.87	346	346	697	49.6	0.0
Piano 3	1 - 8	E	- 6555	10140	0.00	0.16	3.87	45	48	1644	2.8	0.0	2316	0.15	0.31	3.87	346	346	718	48.1	0.0
Piano 3	1 - 7	E	- 14390	60344	0.00	0.13	3.87	270	283	7917	3.4	0.0	5082	0.14	0.31	3.87	730	730	1576	46.3	0.0
Piano 3	2 - 3	E	- 5895	7185	0.16	0.19	3.87	1150	1150	1343	85.6	0.0	1796	0.02	0.35	3.87	43	43	620	6.9	0.0
Piano 3	2 - 9	E	- 23004	12986	0.02	0.14	1.93	2384	2384	17653	13.5	0.0	5820	0.16	0.37	3.87	905	905	2161	41.9	0.0
Piano 3	2 - 10	E	- 21627	11922	0.02	0.14	1.93	2189	2189	16587	13.2	0.0	5467	0.15	0.37	3.87	795	795	2031	39.1	0.0
Piano 3	3 - 4	E	- 9538	17522	0.03	0.17	3.87	442	442	2941	15.0	0.0	2878	0.16	0.36	3.87	456	456	1034	44.1	0.0
Piano 3	3 - 4	E	- 14760	46541	0.03	0.15	3.87	1173	1173	7040	16.7	0.0	4453	0.15	0.36	3.87	680	680	1600	42.5	0.0
Piano 3	3 - 4	E	- 27077	13367	0.03	0.18	3.87	3368	3368	23675	14.2	0.0	8163	0.15	0.36	3.87	1184	1184	2935	40.3	0.0
Piano 3	3 - 4	E	- 27396	13584	0.03	0.18	3.87	3423	3423	24217	14.1	0.0	8253	0.14	0.36	3.87	1119	1119	2969	37.7	0.0
Piano 3	3 - 4	E	- 14790	46541	0.03	0.15	3.87	1173	1173	7053	16.6	0.0	4453	0.13	0.36	3.87	569	569	1603	35.5	0.0
Piano 3	3 - 4	E	- 11239	25665	0.03	0.16	3.87	647	647	4071	15.9	0.0	3382	0.12	0.36	3.87	413	413	1218	33.9	0.0
Piano 3	6 - 4	E	- 46470	31192	0.12	0.12	1.93	36617	36617	36617	100.0	0.2	15348	0.01	0.32	3.87	193	193	4930	3.9	0.0
Piano 3	5 - 4	E	- 6276	8399	0.12	0.18	3.87	1009	1009	1517	66.5	0.0	1907	0.02	0.35	3.87	45	45	660	6.9	0.0
Piano 3	10 - 5	E	- 38655	24512	0.02	0.12	1.93	4500	4500	29618	15.2	0.0	9757	0.13	0.37	3.87	1244	1244	3630	34.3	0.0
Piano 3	8 - 6	E	- 14934	64629	0.00	0.13	3.87	290	303	8521	3.4	0.0	5271	0.14	0.31	3.87	721	721	1636	44.1	0.0
Piano 3	7 - 6	E	- 6375	9389	0.00	0.17	3.87	42	44	1552	2.7	0.0	2249	0.13	0.31	3.87	295	295	698	42.2	0.0
Piano 3	7 - 6	E	- 6377	9389	0.00	0.17	3.87	42	44	1552	2.7	0.0	2249	0.13	0.31	3.87	285	285	699	40.8	0.0
Piano 3	7 - 6	E	- 8613	19925	0.00	0.14	3.87	89	93	2830	3.2	0.0	3036	0.12	0.31	3.87	370	370	943	39.2	0.0
Piano 3	7 - 10	E	- 27869	17959	0.14	0.12	1.93	22251	22251	22251	100.0	0.7	7494	0.01	0.35	3.87	76	76	2633	2.9	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	7 - 10	E	-1870	394	0.14	0.41	3.87	54	54	159	33.7	0.0	475	0.02	0.37	3.87	8	8	176	4.8	0.0
Piano 3	8 - 9	E	-27852	179595	0.14	0.12	1.93	22246	22246	22246	100.0	1.1	7494	0.01	0.35	3.87	76	76	2632	2.9	0.0
Piano 3	8 - 9	E	-1869	394	0.14	0.40	3.87	56	56	159	35.4	0.0	475	0.02	0.37	3.87	8	8	176	4.8	0.0
Piano 3	9 - 10	E	-5716	8834	0.02	0.17	3.87	162	162	1482	10.9	0.0	1444	0.14	0.37	3.87	199	199	537	37.0	0.0

**Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>L,0</sub>	%_δ <sub>L,u</sub>
Piano 1	1 - 2	E	-61430	538481	0.04	0.07	1.00	23224	23224	37264	62.3	0.0	136703	0.01	0.12	2.00	1301	1301	15985	8.1	0.0
Piano 1	1 - 3	E	-58443	384135	0.04	0.08	1.00	16567	16567	30368	54.6	0.0	100508	0.01	0.14	2.00	799	799	14524	5.5	0.0
Piano 1	1 - 8	E	-16218	111686	0.01	0.09	2.00	1156	1156	10456	11.1	0.0	42825	0.04	0.10	2.00	1835	1835	4481	41.0	0.0
Piano 1	1 - 8	E	-16125	111686	0.01	0.09	2.00	1156	1156	10401	11.1	0.0	42825	0.04	0.10	2.00	1807	1807	4457	40.5	0.0
Piano 1	1 - 8	E	-16031	111686	0.01	0.09	2.00	1156	1156	10345	11.2	0.0	42825	0.04	0.10	2.00	1779	1779	4434	40.1	0.0
Piano 1	1 - 7	E	-26155	237595	0.01	0.11	1.00	2459	2459	25438	9.7	0.0	70355	0.04	0.10	2.00	2868	2868	7238	39.6	0.0
Piano 1	2 - 5	E	-235278	1771602	0.01	0.07	1.00	14730	14730	127559	11.5	0.0	326232	0.04	0.15	2.00	13115	13115	49423	26.5	0.0
Piano 1	3 - 4	E	-28106	118583	0.01	0.12	1.00	868	868	13962	6.2	0.0	44354	0.04	0.16	2.00	1901	1901	7317	26.0	0.0
Piano 1	3 - 4	E	-237622	1538880	0.01	0.11	1.00	11269	11269	163996	6.9	0.0	379305	0.04	0.16	2.00	15430	15430	61969	24.9	0.0
Piano 1	3 - 4	E	-44486	244548	0.01	0.13	1.00	1791	1791	30940	5.8	0.0	71884	0.04	0.16	2.00	2760	2760	11623	23.7	0.0
Piano 1	3 - 4	E	-30043	138628	0.01	0.12	1.00	1015	1015	16699	6.1	0.0	48759	0.04	0.16	2.00	1832	1832	7854	23.3	0.0
Piano 1	6 - 4	E	-96813	840681	0.04	0.07	1.00	31337	31337	57654	54.4	0.0	209017	0.01	0.12	2.00	1907	1907	25074	7.6	0.0
Piano 1	5 - 4	E	-16783	61299	0.04	0.09	1.00	2285	2285	5734	39.8	0.0	28193	0.01	0.15	2.00	213	213	4150	5.1	0.0
Piano 1	8 - 6	E	-25152	228401	0.01	0.11	1.00	2364	2364	24631	9.6	0.0	68336	0.04	0.10	2.00	2709	2709	6966	38.9	0.0
Piano 1	7 - 6	E	-15653	111686	0.01	0.09	2.00	1156	1156	10121	11.4	0.0	42825	0.04	0.10	2.00	1665	1665	4338	38.4	0.0
Piano 1	7 - 6	E	-15559	111686	0.01	0.09	2.00	1156	1156	10066	11.5	0.0	42825	0.04	0.10	2.00	1637	1637	4314	37.9	0.0
Piano 1	7 - 6	E	-16128	119967	0.01	0.09	2.00	1241	1241	10886	11.4	0.0	44660	0.04	0.10	2.00	1677	1677	4474	37.5	0.0
Piano 1	7 - 10	E	-65392	574450	0.04	0.07	1.00	22805	22805	39393	57.9	0.0	107986	0.01	0.13	2.00	1007	1007	14155	7.1	0.0
Piano 1	8 - 9	E	-65862	574450	0.04	0.07	1.00	23372	23372	39503	59.2	0.0	107986	0.01	0.13	2.00	1007	1007	14241	7.1	0.0
Piano 2	1 - 2	P	-4932	375	3.06	1.35	4.83	262	592	262	100.0	49.0	694	0.11	0.81	4.83	64	64	450	14.1	0.0
Piano 2	1 - 2	C	-50933	91214	2.41	0.30	2.41	13805	14774	13805	100.0	100.0	6160	0.10	1.01	2.41	422	422	4306	9.8	0.0
Piano 2	1 - 3	P	-20292	8358	3.06	0.65	4.83	2784	2841	2784	100.0	57.5	2070	0.08	1.02	4.83	127	127	1647	7.7	0.0
Piano 2	1 - 8	P	-14575	6343	0.12	0.44	4.83	743	743	2768	26.8	0.0	2116	3.05	0.72	4.83	1522	1522	1522	100.0	56.7
Piano 2	1 - 8	P	-9288	1888	0.12	0.61	4.83	221	221	1151	19.2	0.0	1375	3.04	0.71	4.83	974	974	974	100.0	56.5
Piano 2	1 - 8	P	-9114	1888	0.12	0.60	4.83	221	224	1130	19.6	0.0	1375	3.03	0.70	4.83	956	956	956	100.0	56.4
Piano 2	1 - 7	P	-27360	36218	0.12	0.29	4.83	4241	4304	10486	40.4	0.0	4232	3.01	0.68	4.83	2884	2884	2884	100.0	56.2
Piano 2	2 - 3	E	-11556	1313	3.06	0.85	4.83	1114	2081	1114	100.0	55.4	1065	0.07	0.94	4.83	69	69	998	6.9	0.0
Piano 2	2 - 9	P	-19194	8770	0.08	0.45	4.83	703	703	3917	18.0	0.0	1655	3.05	0.94	4.83	1555	1555	1555	100.0	54.3
Piano 2	2 - 9	P	-46451	65867	0.08	0.22	4.83	5282	5282	14244	37.1	0.0	4086	3.03	0.93	4.83	3783	3783	3783	100.0	54.0
Piano 2	2 - 10	P	-27909	24333	0.08	0.36	4.83	1951	1951	8673	22.5	0.0	2509	3.01	0.91	4.83	2289	2289	2289	100.0	53.6
Piano 2	3 - 4	P	-25650	8212	0.06	0.59	4.83	510	510	4816	10.6	0.0	2328	3.05	1.03	4.83	2408	2408	2408	100.0	53.1
Piano 2	3 - 4	P	-36986	21825	0.06	0.47	4.83	1356	1356	10196	13.3	0.0	3407	3.04	1.02	4.83	3483	3483	3483	100.0	52.9
Piano 2	3 - 4	P	-39310	26289	0.06	0.45	4.83	1633	1633	11752	13.9	0.0	3682	3.02	1.01	4.83	3715	3715	3715	100.0	52.6
Piano 2	3 - 4	P	-20546	5043	0.06	0.65	4.83	313	313	3255	9.6	0.0	1947	3.01	1.00	4.83	1946	1946	1946	100.0	52.4
Piano 2	3 - 4	P	-19687	4599	0.06	0.66	4.83	286	286	3024	9.5	0.0	1883	3.00	0.99	4.83	1868	1868	1868	100.0	52.3
Piano 2	3 - 4	P	-38260	26647	0.06	0.43	4.83	1656	1656	11581	14.3	0.0	3703	2.99	0.98	4.83	3640	3640	3640	100.0	52.1
Piano 2	3 - 4	P	-34799	22156	0.06	0.44	4.83	1377	1377	9784	14.1	0.0	3428	2.97	0.97	4.83	3322	3322	3322	100.0	51.8
Piano 2	3 - 4	P	-26703	11862	0.06	0.50	4.83	737	737	5877	12.5	0.0	2675	2.95	0.96	4.83	2557	2557	2557	100.0	51.6
Piano 2	6 - 4	P	-18114	8544	2.95	0.60	4.83	2643	2764	2643	100.0	55.5	2087	0.08	0.95	4.83	129	129	1547	8.3	0.0
Piano 2	5 - 4	P	-12682	2366	2.95	0.84	4.83	1253	1293	1253	100.0	52.9	1308	0.07	0.97	4.83	73	73	1074	6.8	0.0



Piano 2	6 - 5	C	- 60645	15884 6	2.41	0.23	2.41	18222	18648	18222	100.0	100.0	8849	0.10	0.97	2.41	587	587	5494	10.7	0.0
Piano 2	9 - 5	P	- 47605	74493	0.08	0.21	4.83	5973	5973	15526	38.5	0.0	4380	2.99	0.90	4.83	3929	3929	3929	100.0	53.3
Piano 2	10 - 5	P	- 21360	14361	0.08	0.38	4.83	1152	1152	5425	21.2	0.0	2010	2.97	0.88	4.83	1773	1773	1773	100.0	53.0
Piano 2	10 - 5	P	- 37585	52381	0.08	0.23	4.83	4200	4200	12147	34.6	0.0	3613	2.96	0.87	4.83	3137	3137	3137	100.0	52.7
Piano 2	8 - 6	P	- 25120	32020	0.12	0.29	4.83	3749	3805	9173	40.9	0.0	4008	2.99	0.66	4.83	2664	2664	2664	100.0	55.9
Piano 2	7 - 6	P	-8403	1888	0.12	0.56	4.83	221	224	1058	20.9	0.0	1375	2.98	0.65	4.83	895	895	895	100.0	55.7
Piano 2	7 - 6	P	-8229	1888	0.12	0.55	4.83	221	224	1041	21.2	0.0	1375	2.97	0.64	4.83	881	881	881	100.0	55.5
Piano 2	7 - 6	P	- 13605	8212	0.12	0.36	4.83	961	976	2925	32.9	0.0	2328	2.95	0.63	4.83	1462	1462	1462	100.0	55.3
Piano 2	7 - 10	E	-4067	341	2.99	0.85	4.83	288	527	288	100.0	53.9	526	0.11	0.69	4.83	60	60	361	16.7	0.0
Piano 2	7 - 10	C	- 67503	15559 6	2.41	0.24	2.41	18987	20883	18987	100.0	100.0	7072	0.09	1.14	2.41	426	426	5110	8.3	0.0
Piano 2	8 - 9	C	- 85857	21608 3	2.41	0.27	2.41	29054	30718	29054	100.0	100.0	9109	0.10	1.17	2.41	543	543	6424	8.4	0.0
Piano 3	1 - 2	P	- 30497	18644 5	0.17	0.16	1.93	14733	14820	14733	100.0	0.4	9902	0.03	0.50	1.93	162	162	3030	5.4	0.0
Piano 3	1 - 3	E	-9793	24656	0.17	0.15	3.87	3693	3693	3693	100.0	0.4	2974	0.02	0.35	3.87	52	52	1030	5.0	0.0
Piano 3	1 - 8	E	-8671	18535	0.03	0.15	3.87	603	603	2758	21.8	0.0	2946	0.16	0.32	3.87	482	482	948	50.9	0.0
Piano 3	1 - 8	E	-6556	9389	0.03	0.17	3.87	305	305	1593	19.2	0.0	2249	0.16	0.32	3.87	357	357	717	49.8	0.0
Piano 3	1 - 8	E	-6691	10140	0.03	0.17	3.87	330	330	1676	19.7	0.0	2316	0.15	0.32	3.87	357	357	732	48.8	0.0
Piano 3	1 - 7	E	- 14511	60344	0.03	0.13	3.87	1962	1962	7979	24.6	0.0	5082	0.15	0.31	3.87	754	754	1589	47.4	0.0
Piano 3	2 - 3	E	-6124	7185	0.17	0.19	3.87	1189	1189	1389	85.5	0.0	1796	0.01	0.36	3.87	22	22	642	3.4	0.0
Piano 3	2 - 9	E	- 23727	12986 6	0.02	0.14	1.93	2343	2343	17848	13.1	0.0	5820	0.16	0.38	3.87	935	935	2222	42.1	0.0
Piano 3	2 - 10	E	- 21875	11922 6	0.02	0.14	1.93	2151	2151	16654	12.9	0.0	5467	0.15	0.38	3.87	821	821	2052	40.0	0.0
Piano 3	3 - 4	E	-9877	17522	0.01	0.17	3.87	191	191	3037	6.3	0.0	2878	0.16	0.37	3.87	471	471	1068	44.1	0.0
Piano 3	3 - 4	E	- 15130	46541	0.01	0.15	3.87	508	508	7203	7.0	0.0	4453	0.16	0.37	3.87	703	703	1637	42.9	0.0
Piano 3	3 - 4	E	- 27360	13367 0	0.01	0.18	3.87	1458	1458	23903	6.1	0.0	8163	0.15	0.36	3.87	1223	1223	2963	41.3	0.0
Piano 3	3 - 4	E	- 27198	13584 9	0.01	0.18	3.87	1482	1482	24053	6.2	0.0	8253	0.14	0.36	3.87	1155	1155	2949	39.2	0.0
Piano 3	3 - 4	E	- 14466	46541	0.01	0.15	3.87	508	508	6909	7.3	0.0	4453	0.13	0.35	3.87	587	587	1570	37.4	0.0
Piano 3	3 - 4	E	- 10871	25665	0.01	0.15	3.87	280	280	3947	7.1	0.0	3382	0.13	0.35	3.87	425	425	1181	36.0	0.0
Piano 3	6 - 4	E	- 44612	31192 9	0.12	0.12	1.93	36102	36102	36102	100.0	0.4	15348	0.02	0.31	3.87	369	369	4751	7.8	0.0
Piano 3	5 - 4	E	-6047	8399	0.12	0.17	3.87	1040	1040	1467	70.9	0.0	1907	0.01	0.33	3.87	24	24	639	3.7	0.0
Piano 3	10 - 5	E	- 37737	24512 1	0.02	0.12	1.93	4422	4422	29369	15.1	0.0	9757	0.13	0.36	3.87	1283	1283	3552	36.1	0.0
Piano 3	8 - 6	E	- 14835	64629	0.03	0.13	3.87	2101	2101	8468	24.8	0.0	5271	0.14	0.31	3.87	744	744	1626	45.8	0.0
Piano 3	7 - 6	E	-6253	9389	0.03	0.16	3.87	305	305	1524	20.0	0.0	2249	0.14	0.30	3.87	304	304	686	44.3	0.0
Piano 3	7 - 6	E	-6194	9389	0.03	0.16	3.87	305	305	1510	20.2	0.0	2249	0.13	0.30	3.87	294	294	680	43.2	0.0
Piano 3	7 - 6	E	-8275	19925	0.03	0.14	3.87	648	648	2726	23.8	0.0	3036	0.13	0.30	3.87	381	381	909	42.0	0.0
Piano 3	7 - 10	E	- 27695	17959 5	0.14	0.12	1.93	22203	22203	22203	100.0	1.0	7494	0.03	0.35	3.87	199	199	2618	7.6	0.0
Piano 3	7 - 10	E	-1859	394	0.14	0.40	3.87	56	56	159	35.0	0.0	475	0.02	0.37	3.87	9	9	175	5.1	0.0
Piano 3	8 - 9	E	- 28068	17959 5	0.15	0.12	1.93	22306	22306	22306	100.0	1.3	7494	0.03	0.35	3.87	199	199	2650	7.5	0.0
Piano 3	8 - 9	E	-1883	394	0.15	0.41	3.87	58	58	160	36.3	0.0	475	0.02	0.37	3.87	9	9	177	5.0	0.0
Piano 3	9 - 10	E	-5695	8834	0.02	0.17	3.87	159	159	1477	10.8	0.0	1444	0.14	0.37	3.87	205	205	535	38.4	0.0

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	Stato	N [daN]	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>t,0</sub>	%_δ <sub>t,u</sub>
Piano 1	1 - 2	E	- 80074	53848 1	0.04	0.08	1.00	20421	20421	41429	49.3	0.0	13670 3	0.01	0.15	2.00	1123	1123	19870	5.7	0.0
Piano 1	1 - 3	E	- 32704	38413 5	0.04	0.06	1.00	14568	14568	24282	60.0	0.0	10050 8	0.01	0.09	2.00	998	998	8869	11.2	0.0
Piano 1	1 - 8	E	- 31206	11168 6	0.01	0.12	1.00	816	816	13721	6.0	0.0	42825	0.04	0.19	2.00	1637	1637	7938	20.6	0.0
Piano 1	1 - 8	E	- 31768	11168 6	0.01	0.12	1.00	816	816	13815	5.9	0.0	42825	0.04	0.19	2.00	1668	1668	8055	20.7	0.0
Piano 1	1 - 8	E	- 32329	11168 6	0.01	0.12	1.00	816	816	13909	5.9	0.0	42825	0.04	0.19	2.00	1698	1698	8171	20.8	0.0
Piano 1	1 - 7	E	- 54206	23759 5	0.01	0.14	1.00	1737	1737	32902	5.3	0.0	70355	0.04	0.19	2.00	2850	2850	13647	20.9	0.0
Piano 1	2 - 5	E	- 19289 4	17716 02	0.01	0.07	1.00	16887	16887	11791 0	14.3	0.0	32623 2	0.04	0.13	2.00	13415	13415	41907	32.0	0.0



# Relazione di calcolo - Comune di Terni

Piano 1	3 - 4	E	- 10037	11858 3	0.01	0.06	2.00	1259	1259	6933	18.2	0.0	44354	0.04	0.06	2.00	1696	1696	2869	59.1	0.0
Piano 1	3 - 4	E	- 10223 8	15388 80	0.01	0.08	1.00	16336	16336	12475 2	13.1	0.0	37930 5	0.04	0.08	2.00	15399	15399	28946	53.2	0.0
Piano 1	3 - 4	E	- 22662	24454 8	0.01	0.10	1.00	2596	2608	24720	10.5	0.0	71884	0.04	0.09	2.00	3098	3098	6351	48.8	0.0
Piano 1	3 - 4	E	- 16163	13862 8	0.01	0.09	2.00	1472	1478	11990	12.3	0.0	48759	0.04	0.09	2.00	2145	2145	4513	47.5	0.0
Piano 1	6 - 4	E	- 13314 7	84068 1	0.04	0.08	1.00	37258	37258	65577	56.8	0.0	20901 7	0.01	0.16	2.00	1807	1807	32435	5.6	0.0
Piano 1	5 - 4	E	- 10619	61299	0.04	0.08	1.00	2717	2717	4790	56.7	0.0	28193	0.01	0.10	2.00	292	292	2832	10.3	0.0
Piano 1	8 - 6	E	- 54167	22840 1	0.01	0.14	1.00	1670	1670	32314	5.2	0.0	68336	0.04	0.20	2.00	2851	2851	13563	21.0	0.0
Piano 1	7 - 6	E	- 34604	11168 6	0.01	0.13	1.00	816	816	14283	5.7	0.0	42825	0.04	0.20	2.00	1823	1823	8631	21.1	0.0
Piano 1	7 - 6	E	- 35165	11168 6	0.01	0.13	1.00	816	816	14373	5.7	0.0	42825	0.04	0.20	2.00	1854	1854	8742	21.2	0.0
Piano 1	7 - 6	E	- 37264	11996 7	0.01	0.13	1.00	877	877	15731	5.6	0.0	44660	0.04	0.21	2.00	1966	1966	9233	21.3	0.0
Piano 1	7 - 10	E	- 89432	57445 0	0.04	0.08	1.00	23938	23938	44682	53.6	0.0	10798 6	0.01	0.17	2.00	910	910	18256	5.0	0.0
Piano 1	8 - 9	E	- 86601	57445 0	0.04	0.08	1.00	23319	23319	44092	52.9	0.0	10798 6	0.01	0.16	2.00	910	910	17804	5.1	0.0
Piano 2	1 - 2	C	-7399	375	0.00	0.00	0.00	0	427	0	100.0	100.0	694	0.00	0.00	0.00	0	0	0	100.0	100.0
Piano 2	1 - 2	C	- 57304	91214	2.41	0.31	2.41	14334	14624	14334	100.0	100.0	6160	0.04	1.07	2.41	153	153	4534	3.4	0.0
Piano 2	1 - 3	C	- 15550	8358	4.83	0.56	4.83	2377	2456	2377	100.0	100.0	2070	0.10	0.87	4.83	157	157	1406	11.1	0.0
Piano 2	1 - 8	C	- 23010	6343	0.02	0.62	4.83	110	294	3941	2.8	0.0	2116	4.83	1.02	4.83	2167	2167	2167	100.0	100.0
Piano 2	1 - 8	C	- 14989	1888	0.02	0.88	4.83	33	87	1668	2.0	0.0	1375	4.83	1.03	4.83	1411	1411	1411	100.0	100.0
Piano 2	1 - 8	C	- 15020	1888	0.02	0.88	4.83	33	87	1670	2.0	0.0	1375	4.83	1.03	4.83	1413	1413	1413	100.0	100.0
Piano 2	1 - 7	C	- 46334	36218	0.02	0.44	2.41	629	1678	15843	4.0	0.0	4232	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	2 - 3	C	-6706	1313	4.83	0.83	4.83	565	627	565	100.0	100.0	1065	0.14	0.75	4.83	118	118	635	18.6	0.0
Piano 2	2 - 9	C	- 15175	8770	0.09	0.38	4.83	817	817	3300	24.8	0.0	1655	4.83	0.79	4.83	1310	1310	1310	100.0	100.0
Piano 2	2 - 9	C	- 37617	65867	0.09	0.20	4.83	6138	6138	13095	46.9	0.0	4086	4.83	0.79	4.83	3242	3242	3242	100.0	100.0
Piano 2	2 - 10	C	- 23211	24333	0.09	0.31	4.83	2267	2267	7639	29.7	0.0	2509	4.83	0.80	4.83	2000	2000	2000	100.0	100.0
Piano 2	3 - 4	C	- 14079	8212	0.15	0.36	4.83	1209	1209	2977	40.6	0.0	2328	4.83	0.64	4.83	1488	1488	1488	100.0	100.0
Piano 2	3 - 4	C	- 20704	21825	0.15	0.29	4.83	3214	3214	6427	50.0	0.0	3407	4.83	0.64	4.83	2196	2196	2196	100.0	100.0
Piano 2	3 - 4	C	- 22492	26289	0.15	0.29	4.83	3872	3872	7531	51.4	0.0	3682	4.83	0.65	4.83	2380	2380	2380	100.0	100.0
Piano 2	3 - 4	C	- 11934	5043	0.15	0.42	4.83	743	743	2119	35.0	0.0	1947	4.83	0.65	4.83	1267	1267	1267	100.0	100.0
Piano 2	3 - 4	C	- 11578	4599	0.15	0.43	4.83	677	677	1986	34.1	0.0	1883	4.83	0.65	4.83	1228	1228	1228	100.0	100.0
Piano 2	3 - 4	C	- 22845	26647	0.15	0.29	4.83	3925	3925	7727	50.8	0.0	3703	4.83	0.66	4.83	2428	2428	2428	100.0	100.0
Piano 2	3 - 4	C	- 21256	22156	0.15	0.30	4.83	3263	3263	6665	49.0	0.0	3428	4.83	0.66	4.83	2263	2263	2263	100.0	100.0
Piano 2	3 - 4	C	- 16664	11862	0.15	0.34	4.83	1747	1747	4067	43.0	0.0	2675	4.83	0.66	4.83	1770	1770	1770	100.0	100.0
Piano 2	6 - 4	C	- 16088	8544	4.83	0.56	4.83	2463	2475	2463	100.0	100.0	2087	0.10	0.88	4.83	158	158	1441	11.0	0.0
Piano 2	5 - 4	C	-8532	2366	4.83	0.72	4.83	885	904	885	100.0	100.0	1308	0.14	0.78	4.83	143	143	811	17.7	0.0
Piano 2	6 - 5	C	- 87049	15884 6	2.41	0.25	2.41	20251	23191	20251	100.0	100.0	8849	0.02	1.11	2.41	139	139	6342	2.2	0.0
Piano 2	9 - 5	C	- 40710	74493	0.09	0.20	4.83	6942	6942	14591	47.6	0.0	4380	4.83	0.80	4.83	3501	3501	3501	100.0	100.0
Piano 2	10 - 5	C	- 18767	14361	0.09	0.34	4.83	1338	1338	4935	27.1	0.0	2010	4.83	0.80	4.83	1613	1613	1613	100.0	100.0
Piano 2	10 - 5	C	- 33873	52381	0.09	0.22	4.83	4881	4881	11664	41.8	0.0	3613	4.83	0.80	4.83	2907	2907	2907	100.0	100.0
Piano 2	8 - 6	C	- 44016	32020	0.02	0.44	4.83	556	1484	14205	3.9	0.0	4008	4.83	1.03	4.83	4125	4125	4125	100.0	100.0
Piano 2	7 - 6	C	- 15144	1888	0.02	0.89	4.83	33	87	1676	2.0	0.0	1375	4.83	1.03	4.83	1418	1418	1418	100.0	100.0
Piano 2	7 - 6	C	- 15175	1888	0.02	0.89	4.83	33	87	1679	2.0	0.0	1375	4.83	1.03	4.83	1420	1420	1420	100.0	100.0
Piano 2	7 - 6	C	- 25736	8212	0.02	0.58	4.83	143	381	4802	3.0	0.0	2328	4.83	1.03	4.83	2401	2401	2401	100.0	100.0
Piano 2	7 - 10	C	-6799	341	4.83	1.25	4.83	427	445	427	100.0	100.0	526	0.01	1.02	4.83	5	5	534	1.0	0.0
Piano 2	7 - 10	C	- 76593	15559 6	2.41	0.25	2.41	19696	21353	19696	100.0	100.0	7072	0.05	1.19	2.41	223	223	5360	4.2	0.0
Piano 2	8 - 9	C	- 10196 7	21608 3	2.41	0.28	2.41	30648	31194	30648	100.0	100.0	9109	0.04	1.24	2.41	210	210	6850	3.1	0.0
Piano 3	1 - 2	E	- 32912	18644 5	0.14	0.13	1.93	24417	24417	24417	100.0	0.5	9902	0.02	0.35	3.87	187	187	3459	5.4	0.0
Piano 3	1 - 3	E	-8591	24656	0.14	0.13	3.87	3282	3282	3282	100.0	0.2	2974	0.02	0.31	3.87	55	55	916	6.0	0.0
Piano 3	1 - 8	E	- 10557	18535	0.02	0.18	3.87	354	354	3312	10.7	0.0	2946	0.14	0.39	3.87	412	412	1138	36.3	0.0



## Relazione di calcolo - Comune di Terni

Piano 3	1 - 8	E	-8066	9389	0.02	0.21	3.87	179	179	1931	9.3	0.0	2249	0.14	0.39	3.87	314	314	869	36.2	0.0
Piano 3	1 - 8	E	-8314	10140	0.02	0.20	3.87	194	194	2050	9.4	0.0	2316	0.14	0.39	3.87	323	323	896	36.1	0.0
Piano 3	1 - 7	E	-18261	60344	0.02	0.16	3.87	1152	1152	9880	11.7	0.0	5082	0.14	0.39	3.87	708	708	1967	36.0	0.0
Piano 3	2 - 3	E	-4757	7185	0.14	0.15	3.87	1007	1007	1106	91.0	0.0	1796	0.02	0.28	3.87	33	33	511	6.4	0.0
Piano 3	2 - 9	E	-21279	129866	0.02	0.13	1.93	2396	2396	17179	13.9	0.0	5820	0.14	0.35	3.87	814	814	2014	40.4	0.0
Piano 3	2 - 10	E	-20032	119226	0.02	0.14	1.93	2199	2199	16149	13.6	0.0	5467	0.14	0.35	3.87	762	762	1895	40.2	0.0
Piano 3	3 - 4	E	-7445	17522	0.02	0.13	3.87	318	318	2332	13.6	0.0	2878	0.14	0.28	3.87	403	403	820	49.2	0.0
Piano 3	3 - 4	E	-11532	46541	0.02	0.12	3.87	844	844	5587	15.1	0.0	4453	0.14	0.29	3.87	622	622	1270	49.0	0.0
Piano 3	3 - 4	E	-21182	133670	0.02	0.14	3.87	2424	2424	18814	12.9	0.0	8163	0.14	0.29	3.87	1138	1138	2332	48.8	0.0
Piano 3	3 - 4	E	-21464	135849	0.02	0.14	3.87	2463	2463	19272	12.8	0.0	8253	0.14	0.29	3.87	1147	1147	2363	48.5	0.0
Piano 3	3 - 4	E	-11602	46541	0.02	0.12	3.87	844	844	5620	15.0	0.0	4453	0.14	0.29	3.87	617	617	1277	48.3	0.0
Piano 3	3 - 4	E	-8825	25665	0.02	0.13	3.87	465	465	3247	14.3	0.0	3382	0.14	0.29	3.87	468	468	971	48.2	0.0
Piano 3	6 - 4	E	-49381	311929	0.14	0.12	1.93	37408	37408	37408	100.0	1.0	15348	0.02	0.34	3.87	287	287	5208	5.5	0.0
Piano 3	5 - 4	E	-5103	8399	0.14	0.15	3.87	1161	1161	1258	92.3	0.0	1907	0.02	0.29	3.87	35	35	547	6.3	0.0
Piano 3	10 - 5	E	-35890	245121	0.02	0.12	1.93	4522	4522	28860	15.7	0.0	9757	0.14	0.35	3.87	1352	1352	3395	39.8	0.0
Piano 3	8 - 6	E	-18962	64629	0.02	0.16	3.87	1234	1234	10640	11.6	0.0	5271	0.14	0.39	3.87	733	733	2043	35.9	0.0
Piano 3	7 - 6	E	-8098	9389	0.02	0.21	3.87	179	179	1938	9.2	0.0	2249	0.14	0.39	3.87	312	312	872	35.8	0.0
Piano 3	7 - 6	E	-8104	9389	0.02	0.21	3.87	179	179	1940	9.2	0.0	2249	0.14	0.39	3.87	312	312	873	35.7	0.0
Piano 3	7 - 6	E	-10950	19925	0.02	0.18	3.87	380	380	3538	10.7	0.0	3036	0.14	0.39	3.87	420	420	1179	35.6	0.0
Piano 3	7 - 10	E	-31204	179595	0.14	0.13	1.93	23156	23156	23156	100.0	0.6	7494	0.02	0.39	3.87	141	141	2915	4.8	0.0
Piano 3	7 - 10	E	-1763	394	0.14	0.38	3.87	55	55	151	36.2	0.0	475	0.02	0.35	3.87	9	9	167	5.3	0.0
Piano 3	8 - 9	E	-31165	179595	0.14	0.13	1.93	23145	23145	23145	100.0	0.6	7494	0.02	0.39	3.87	141	141	2912	4.8	0.0
Piano 3	8 - 9	E	-1761	394	0.14	0.38	3.87	55	55	151	36.3	0.0	475	0.02	0.35	3.87	9	9	166	5.3	0.0
Piano 3	9 - 10	E	-5300	8834	0.02	0.16	3.87	163	163	1384	11.8	0.0	1444	0.14	0.35	3.87	201	201	501	40.0	0.0

**Cond\_Y\_2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/ cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L</sub> 0	% δ <sub>L</sub> u	k <sub>t</sub> [daN/ cm]	δ <sub>t</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L</sub> 0	% δ <sub>L</sub> u
Piano 1	1 - 2	E	- 91434	53848 5	0.04	0.08	1.00	20344	20344	43772	46.5	0.0	13670 3	0.01	0.16	2.00	1399	1399	22016	6.4	0.0
Piano 1	1 - 3	E	40858	38413 5	0.04	0.07	1.00	14513	14513	26362	55.1	0.0	10050 8	0.01	0.11	2.00	867	867	10787	8.0	0.0
Piano 1	1 - 8	E	- 34479	11168 6	0.01	0.13	1.00	1237	1239	14262	8.7	0.0	42825	0.04	0.20	2.00	1630	1630	8606	18.9	0.0
Piano 1	1 - 8	E	- 34247	11168 6	0.01	0.13	1.00	1237	1239	14225	8.7	0.0	42825	0.04	0.20	2.00	1659	1659	8560	19.4	0.0
Piano 1	1 - 8	E	- 34015	11168 6	0.01	0.13	1.00	1237	1239	14187	8.7	0.0	42825	0.04	0.20	2.00	1687	1687	8513	19.8	0.0
Piano 1	1 - 7	E	- 55429	23759 5	0.01	0.14	1.00	2632	2637	33190	7.9	0.0	70355	0.04	0.20	2.00	2828	2828	13895	20.4	0.0
Piano 1	2 - 5	E	- 19247 3	17716 02	0.01	0.07	1.00	15940	15940	11781 0	13.5	0.0	32623 2	0.04	0.13	2.00	13302	13302	41829	31.8	0.0
Piano 1	3 - 4	E	- 13249	11858 3	0.01	0.08	2.00	947	947	9007	10.5	0.0	44354	0.04	0.08	2.00	1688	1688	3727	45.3	0.0
Piano 1	3 - 4	E	- 10651 2	15388 80	0.01	0.08	1.00	12284	12284	12617 7	9.7	0.0	37930 5	0.04	0.08	2.00	15281	15281	30081	50.8	0.0
Piano 1	3 - 4	E	- 18826	24454 8	0.01	0.09	2.00	1952	1952	20912	9.3	0.0	71884	0.04	0.07	2.00	3065	3065	5339	57.4	0.0
Piano 1	3 - 4	E	- 12442	13862 8	0.01	0.07	2.00	1107	1107	9388	11.8	0.0	48759	0.04	0.07	2.00	2119	2119	3534	60.0	0.0
Piano 1	6 - 4	E	- 11590 4	84068 1	0.04	0.07	1.00	36798	36798	61944	59.4	0.0	20901 7	0.01	0.14	2.00	2054	2054	29081	7.1	0.0
Piano 1	5 - 4	E	-8237	61299	0.04	0.07	2.00	2683	2683	4230	63.4	0.0	28193	0.01	0.08	2.00	232	232	2258	10.3	0.0
Piano 1	8 - 6	E	- 53211	22840 1	0.01	0.14	1.00	2530	2535	32090	7.9	0.0	68336	0.04	0.20	2.00	2825	2825	13370	21.1	0.0
Piano 1	7 - 6	E	- 33074	11168 6	0.01	0.13	1.00	1237	1239	14032	8.8	0.0	42825	0.04	0.19	2.00	1804	1804	8323	21.7	0.0
Piano 1	7 - 6	E	- 32842	11168 6	0.01	0.13	1.00	1237	1239	13994	8.8	0.0	42825	0.04	0.19	2.00	1833	1833	8276	22.1	0.0
Piano 1	7 - 6	E	- 34004	11996 7	0.01	0.13	1.00	1329	1331	15177	8.8	0.0	44660	0.04	0.19	2.00	1942	1942	8581	22.6	0.0
Piano 1	7 - 10	E	- 87436	57445 0	0.04	0.08	1.00	23719	23719	44267	53.6	0.0	10798 6	0.01	0.17	2.00	1083	1083	17939	6.0	0.0
Piano 1	8 - 9	E	- 88607	57445 0	0.04	0.08	1.00	23139	23139	44511	52.0	0.0	10798 6	0.01	0.17	2.00	1083	1083	18126	6.0	0.0
Piano 2	1 - 2	C	-7956	375	0.00	0.00	0.00	0	490	0	100.0	100.0	694	0.00	0.00	0.00	0	0	0	100.0	100.0



# Relazione di calcolo - Comune di Terni

Piano 2	1 - 2	C	- 62199	91214	2.41	0.32	2.41	14767	15147	14767	100.0	100.0	6160	0.15	1.11	2.41	637	637	4706	13.5	0.0
Piano 2	1 - 3	C	- 17174	8358	4.83	0.59	4.83	2530	2567	2530	100.0	100.0	2070	0.07	0.93	4.83	108	108	1496	7.2	0.0
Piano 2	1 - 8	C	- 24593	6343	0.22	0.65	2.41	1411	1411	4149	34.0	0.0	2116	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	1 - 8	C	- 15764	1888	0.22	0.92	2.41	420	420	1734	24.2	0.0	1375	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	1 - 8	C	- 15557	1888	0.22	0.91	2.41	420	420	1717	24.5	0.0	1375	2.41	0.00	2.41	0	0	0	100.0	100.0
Piano 2	1 - 7	C	- 47054	36218	0.22	0.44	4.83	8059	8059	15995	50.4	0.0	4232	4.83	1.04	4.83	4399	4399	4399	100.0	100.0
Piano 2	2 - 3	C	-7534	1313	4.83	0.90	4.83	616	623	616	100.0	100.0	1065	0.01	0.81	4.83	9	9	692	1.3	0.0
Piano 2	2 - 9	C	- 16606	8770	0.07	0.40	4.83	633	638	3529	17.9	0.0	1655	4.83	0.85	4.83	1400	1400	1400	100.0	100.0
Piano 2	2 - 9	C	- 39888	65867	0.07	0.20	4.83	4756	4757	13400	35.5	0.0	4086	4.83	0.83	4.83	3388	3388	3388	100.0	100.0
Piano 2	2 - 10	C	- 23760	24333	0.07	0.32	4.83	1757	1757	7772	22.6	0.0	2509	4.83	0.81	4.83	2035	2035	2035	100.0	100.0
Piano 2	3 - 4	C	- 15748	8212	0.00	0.40	4.83	11	416	3246	0.3	0.0	2328	4.83	0.70	4.83	1623	1623	1623	100.0	100.0
Piano 2	3 - 4	C	- 22388	21825	0.00	0.31	4.83	29	1106	6811	0.4	0.0	3407	4.83	0.68	4.83	2327	2327	2327	100.0	100.0
Piano 2	3 - 4	C	- 23406	26289	0.00	0.30	4.83	35	1332	7771	0.5	0.0	3682	4.83	0.67	4.83	2456	2456	2456	100.0	100.0
Piano 2	3 - 4	C	- 12092	5043	0.00	0.42	4.83	7	256	2141	0.3	0.0	1947	4.83	0.66	4.83	1280	1280	1280	100.0	100.0
Piano 2	3 - 4	C	- 11473	4599	0.00	0.43	4.83	6	233	1981	0.3	0.0	1883	4.83	0.65	4.83	1224	1224	1224	100.0	100.0
Piano 2	3 - 4	C	- 22021	26647	0.00	0.28	4.83	36	1351	7549	0.5	0.0	3703	4.83	0.64	4.83	2373	2373	2373	100.0	100.0
Piano 2	3 - 4	C	- 19649	22156	0.00	0.29	4.83	30	1123	6318	0.5	0.0	3428	4.83	0.63	4.83	2145	2145	2145	100.0	100.0
Piano 2	3 - 4	C	- 14796	11862	0.00	0.32	4.83	16	601	3764	0.4	0.0	2675	4.83	0.61	4.83	1638	1638	1638	100.0	100.0
Piano 2	6 - 4	C	- 14512	8544	4.83	0.53	4.83	2324	2386	2324	100.0	100.0	2087	0.07	0.83	4.83	109	109	1360	8.0	0.0
Piano 2	5 - 4	C	-7536	2366	4.83	0.67	4.83	821	837	821	100.0	100.0	1308	0.01	0.72	4.83	12	12	753	1.6	0.0
Piano 2	6 - 5	C	- 80477	15884	2.41	0.25	2.41	19785	23301	19785	100.0	100.0	8849	0.17	1.08	2.41	942	942	6164	15.3	0.0
Piano 2	9 - 5	C	- 40150	74493	0.07	0.19	4.83	5379	5379	14522	37.0	0.0	4380	4.83	0.79	4.83	3469	3469	3469	100.0	100.0
Piano 2	10 - 5	C	- 17846	14361	0.07	0.33	4.83	1037	1037	4762	21.8	0.0	2010	4.83	0.77	4.83	1556	1556	1556	100.0	100.0
Piano 2	10 - 5	C	- 31116	52381	0.07	0.22	4.83	3782	3782	11313	33.4	0.0	3613	4.83	0.76	4.83	2738	2738	2738	100.0	100.0
Piano 2	8 - 6	C	- 43620	32020	0.22	0.44	4.83	7125	7125	14107	50.5	0.0	4008	4.83	1.02	4.83	4096	4096	4096	100.0	100.0
Piano 2	7 - 6	C	- 14710	1888	0.22	0.87	4.83	420	420	1635	25.7	0.0	1375	4.83	1.01	4.83	1383	1383	1383	100.0	100.0
Piano 2	7 - 6	C	- 14503	1888	0.22	0.86	4.83	420	420	1617	26.0	0.0	1375	4.83	0.99	4.83	1368	1368	1368	100.0	100.0
Piano 2	7 - 6	C	- 24162	8212	0.22	0.56	4.83	1827	1827	4564	40.0	0.0	2328	4.83	0.98	4.83	2282	2282	2282	100.0	100.0
Piano 2	7 - 10	C	-6737	341	4.83	1.25	4.83	424	523	424	100.0	100.0	526	0.21	1.01	4.83	112	112	531	21.1	0.0
Piano 2	7 - 10	C	- 75666	15559	2.41	0.25	2.41	19619	21361	19619	100.0	100.0	7072	0.13	1.19	2.41	591	591	5334	11.1	0.0
Piano 2	8 - 9	C	- 10362	21608	2.41	0.28	2.41	30809	31642	30809	100.0	100.0	9109	0.15	1.25	2.41	810	810	6889	11.8	0.0
Piano 3	1 - 2	E	- 34181	18644	0.14	0.13	1.93	24752	24752	24752	100.0	0.2	9902	0.02	0.36	3.87	212	212	3578	5.9	0.0
Piano 3	1 - 3	E	-8975	24656	0.14	0.14	3.87	3348	3348	3414	98.0	0.0	2974	0.02	0.32	3.87	54	54	953	5.7	0.0
Piano 3	1 - 8	E	- 10903	18535	0.02	0.18	3.87	431	431	3411	12.6	0.0	2946	0.14	0.40	3.87	402	402	1172	34.3	0.0
Piano 3	1 - 8	E	-8263	9389	0.02	0.21	3.87	218	218	1975	11.1	0.0	2249	0.14	0.40	3.87	310	310	889	34.9	0.0
Piano 3	1 - 8	E	-8452	10140	0.02	0.21	3.87	236	236	2082	11.3	0.0	2316	0.14	0.39	3.87	323	323	909	35.5	0.0
Piano 3	1 - 7	E	- 18382	60344	0.02	0.16	3.87	1403	1403	9941	14.1	0.0	5082	0.14	0.39	3.87	719	719	1979	36.3	0.0
Piano 3	2 - 3	E	-4990	7185	0.14	0.16	3.87	976	976	1155	84.5	0.0	1796	0.02	0.30	3.87	30	30	534	5.5	0.0
Piano 3	2 - 9	E	- 22012	12986	0.02	0.13	1.93	2391	2391	17382	13.8	0.0	5820	0.14	0.36	3.87	799	799	2077	38.5	0.0
Piano 3	2 - 10	E	- 20284	11922	0.02	0.14	1.93	2195	2195	16219	13.5	0.0	5467	0.14	0.35	3.87	770	770	1917	40.2	0.0
Piano 3	3 - 4	E	-7789	17522	0.02	0.14	3.87	281	281	2434	11.5	0.0	2878	0.14	0.30	3.87	392	392	856	45.9	0.0
Piano 3	3 - 4	E	- 11907	46541	0.02	0.12	3.87	746	746	5759	13.0	0.0	4453	0.14	0.29	3.87	616	616	1309	47.0	0.0
Piano 3	3 - 4	E	- 21469	13367	0.02	0.14	3.87	2143	2143	19054	11.2	0.0	8163	0.14	0.29	3.87	1151	1151	2362	48.7	0.0
Piano 3	3 - 4	E	- 21264	13584	0.02	0.14	3.87	2178	2178	19102	11.4	0.0	8253	0.14	0.28	3.87	1191	1191	2342	50.8	0.0
Piano 3	3 - 4	E	- 11275	46541	0.02	0.12	3.87	746	746	5470	13.6	0.0	4453	0.15	0.28	3.87	655	655	1243	52.7	0.0
Piano 3	3 - 4	E	-8453	25665	0.02	0.12	3.87	411	411	3117	13.2	0.0	3382	0.15	0.28	3.87	504	504	933	54.0	0.0
Piano 3	6 - 4	E	- 47496	31192	0.15	0.12	1.93	36897	36897	36897	100.0	1.7	15348	0.02	0.33	3.87	313	313	5028	6.2	0.0
Piano 3	5 - 4	E	-4871	8399	0.15	0.14	3.87	1205	1205	1205	100.0	0.2	1907	0.02	0.28	3.87	31	31	525	6.0	0.0



Piano 3	10 - 5	E	- 34959	24512 1	0.02	0.12	1.93	4513	4513	28600	15.8	0.0	9757	0.15	0.34	3.87	1435	1435	3314	43.3	0.0
Piano 3	8 - 6	E	- 18861	64629	0.02	0.16	3.87	1503	1503	10588	14.2	0.0	5271	0.14	0.39	3.87	758	758	2033	37.3	0.0
Piano 3	7 - 6	E	-7974	9389	0.02	0.20	3.87	218	218	1911	11.4	0.0	2249	0.15	0.38	3.87	328	328	860	38.1	0.0
Piano 3	7 - 6	E	-7917	9389	0.02	0.20	3.87	218	218	1898	11.5	0.0	2249	0.15	0.38	3.87	331	331	854	38.8	0.0
Piano 3	7 - 6	E	- 10606	19925	0.02	0.17	3.87	463	463	3435	13.5	0.0	3036	0.15	0.38	3.87	453	453	1145	39.5	0.0
Piano 3	7 - 10	E	- 31027	17959 5	0.14	0.13	1.93	23109	23109	23109	100.0	0.8	7494	0.02	0.39	3.87	159	159	2900	5.5	0.0
Piano 3	7 - 10	E	-1752	394	0.14	0.38	3.87	57	57	150	37.7	0.0	475	0.02	0.35	3.87	9	9	166	5.3	0.0
Piano 3	8 - 9	E	- 31383	17959 5	0.14	0.13	1.93	23203	23203	23203	100.0	0.7	7494	0.02	0.39	3.87	159	159	2930	5.4	0.0
Piano 3	8 - 9	E	-1775	394	0.14	0.39	3.87	56	56	152	36.6	0.0	475	0.02	0.35	3.87	9	9	168	5.3	0.0
Piano 3	9 - 10	E	-5279	8834	0.02	0.16	3.87	163	163	1379	11.8	0.0	1444	0.14	0.35	3.87	207	207	500	41.5	0.0

**Cond\_Y 2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	%_δ <sub>o</sub>	%_δ <sub>u</sub>	k <sub>t</sub> [daN/cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	%_δ <sub>o</sub>	%_δ <sub>u</sub>
Piano 1	1 - 2	E	- 79958	53848 1	0.04	0.08	1.00	23284	23284	41404	56.2	0.0	13670 3	0.01	0.15	2.00	1331	1331	19847	6.7	0.0
Piano 1	1 - 3	E	- 32877	38413 5	0.04	0.06	1.00	16610	16610	24328	68.3	0.0	10050 8	0.01	0.09	2.00	849	849	8911	9.5	0.0
Piano 1	1 - 8	E	- 31110	11168 6	0.01	0.12	1.00	1164	1164	13704	8.5	0.0	42825	0.04	0.18	2.00	1842	1842	7918	23.3	0.0
Piano 1	1 - 8	E	- 31666	11168 6	0.01	0.12	1.00	1164	1164	13798	8.4	0.0	42825	0.04	0.19	2.00	1819	1819	8034	22.6	0.0
Piano 1	1 - 8	E	- 32222	11168 6	0.01	0.12	1.00	1164	1164	13891	8.4	0.0	42825	0.04	0.19	2.00	1796	1796	8149	22.0	0.0
Piano 1	1 - 7	E	- 54022	23759 5	0.01	0.14	1.00	2476	2476	32859	7.5	0.0	70355	0.04	0.19	2.00	2905	2905	13610	21.3	0.0
Piano 1	2 - 5	E	- 19317 2	17716 02	0.01	0.07	1.00	15491	15491	11797 5	13.1	0.0	32623 2	0.04	0.13	2.00	13320	13320	41958	31.7	0.0
Piano 1	3 - 4	E	- 10157	11858 3	0.01	0.06	2.00	940	940	7012	13.4	0.0	44354	0.04	0.07	2.00	1908	1908	2901	65.7	0.0
Piano 1	3 - 4	E	- 10313 0	15388 80	0.01	0.08	1.00	12199	12199	12505 1	9.8	0.0	37930 5	0.04	0.08	2.00	15636	15636	29183	53.6	0.0
Piano 1	3 - 4	E	- 22803	24454 8	0.01	0.10	1.00	1939	1939	24766	7.8	0.0	71884	0.04	0.09	2.00	2828	2828	6388	44.3	0.0
Piano 1	3 - 4	E	- 16252	13862 8	0.01	0.09	2.00	1099	1099	12051	9.1	0.0	48759	0.04	0.09	2.00	1885	1885	4536	41.6	0.0
Piano 1	6 - 4	E	- 13289 9	84068 1	0.04	0.08	1.00	32298	32298	65527	49.3	0.0	20901 7	0.01	0.15	2.00	1967	1967	32388	6.1	0.0
Piano 1	5 - 4	E	- 10658	61299	0.04	0.08	1.00	2355	2355	4797	49.1	0.0	28193	0.01	0.10	2.00	229	229	2841	8.1	0.0
Piano 1	8 - 6	E	- 53976	22840 1	0.01	0.14	1.00	2380	2380	32270	7.4	0.0	68336	0.04	0.20	2.00	2759	2759	13524	20.4	0.0
Piano 1	7 - 6	E	- 34479	11168 6	0.01	0.13	1.00	1164	1164	14262	8.2	0.0	42825	0.04	0.20	2.00	1702	1702	8606	19.8	0.0
Piano 1	7 - 6	E	- 35035	11168 6	0.01	0.13	1.00	1164	1164	14352	8.1	0.0	42825	0.04	0.20	2.00	1679	1679	8716	19.3	0.0
Piano 1	7 - 6	E	- 37124	11996 7	0.01	0.13	1.00	1250	1250	15707	8.0	0.0	44660	0.04	0.21	2.00	1726	1726	9205	18.8	0.0
Piano 1	7 - 10	E	- 89273	57445 0	0.04	0.08	1.00	23217	23217	44649	52.0	0.0	10798 6	0.01	0.17	2.00	1034	1034	18231	5.7	0.0
Piano 1	8 - 9	E	- 86466	57445 0	0.04	0.08	1.00	23684	23684	44064	53.7	0.0	10798 6	0.01	0.16	2.00	1034	1034	17783	5.8	0.0
Piano 2	1 - 2	P	-7383	375	1.54	1.29	4.83	454	544	454	100.0	7.2	694	0.15	0.94	4.83	101	101	637	15.9	0.0
Piano 2	1 - 2	C	- 57265	91214	1.93	0.31	2.41	14305	14628	14305	100.0	100.0	6160	0.12	1.06	2.41	496	496	4521	11.0	0.0
Piano 2	1 - 3	P	- 15582	8358	1.54	0.56	4.83	2395	2472	2395	100.0	22.9	2070	0.07	0.88	4.83	120	120	1417	8.5	0.0
Piano 2	1 - 8	P	- 22956	6343	0.15	0.62	4.83	976	976	3933	24.8	0.0	2116	1.53	1.02	4.83	2163	2163	2163	100.0	13.4
Piano 2	1 - 8	P	- 14953	1888	0.15	0.88	4.83	291	291	1664	17.5	0.0	1375	1.51	1.02	4.83	1408	1408	1408	100.0	12.7
Piano 2	1 - 8	P	- 14981	1888	0.15	0.88	4.83	291	291	1667	17.4	0.0	1375	1.48	1.03	4.83	1410	1410	1410	100.0	12.0
Piano 2	1 - 7	P	- 46211	36218	0.15	0.44	4.83	5575	5575	15808	35.3	0.0	4232	1.45	1.03	4.83	4347	4347	4347	100.0	11.1
Piano 2	2 - 3	P	-6738	1313	1.54	0.84	4.83	572	584	572	100.0	17.6	1065	0.05	0.76	4.83	38	38	642	6.0	0.0
Piano 2	2 - 9	P	- 15202	8770	0.08	0.38	4.83	675	675	3315	20.3	0.0	1655	1.53	0.79	4.83	1315	1315	1315	100.0	18.3
Piano 2	2 - 9	P	- 37676	65867	0.08	0.20	4.83	5066	5066	13112	38.6	0.0	4086	1.49	0.80	4.83	3250	3250	3250	100.0	17.3
Piano 2	2 - 10	P	- 23242	24333	0.08	0.31	4.83	1872	1872	7638	24.5	0.0	2509	1.45	0.80	4.83	1999	1999	1999	100.0	16.3
Piano 2	3 - 4	P	- 14156	8212	0.04	0.37	4.83	322	384	3035	10.6	0.0	2328	1.53	0.65	4.83	1518	1518	1518	100.0	21.1
Piano 2	3 - 4	P	- 20811	21825	0.04	0.30	4.83	856	1026	6486	13.2	0.0	3407	1.50	0.65	4.83	2216	2216	2216	100.0	20.3
Piano 2	3 - 4	P	- 22602	26289	0.04	0.29	4.83	1032	1236	7597	13.6	0.0	3682	1.46	0.65	4.83	2401	2401	2401	100.0	19.4
Piano 2	3 - 4	P	- 11990	5043	0.04	0.42	4.83	198	238	2118	9.3	0.0	1947	1.44	0.65	4.83	1266	1266	1266	100.0	18.9



## Relazione di calcolo - Comune di Terni

Piano 2	3 - 4	P	- 11631	4599	0.04	0.43	4.83	180	217	1986	9.1	0.0	1883	1.42	0.65	4.83	1227	1227	1227	100.0	18.4
Piano 2	3 - 4	P	- 22945	26647	0.04	0.29	4.83	1046	1258	7693	13.6	0.0	3703	1.40	0.65	4.83	2418	2418	2418	100.0	17.8
Piano 2	3 - 4	P	- 21343	22156	0.04	0.30	4.83	869	1049	6586	13.2	0.0	3428	1.36	0.65	4.83	2236	2236	2236	100.0	17.0
Piano 2	3 - 4	P	- 16728	11862	0.04	0.34	4.83	465	562	4021	11.6	0.0	2675	1.33	0.65	4.83	1750	1750	1750	100.0	16.1
Piano 2	6 - 4	P	- 16100	8544	1.32	0.56	4.83	2455	2507	2455	100.0	17.8	2087	0.07	0.88	4.83	121	121	1437	8.4	0.0
Piano 2	5 - 4	P	-8559	2366	1.32	0.71	4.83	876	937	876	100.0	14.7	1308	0.05	0.77	4.83	48	48	803	6.0	0.0
Piano 2	6 - 5	C	- 86874	15884 6	1.93	0.26	2.41	20416	20461	20416	100.0	100.0	8849	0.12	1.12	2.41	710	710	6402	11.1	0.0
Piano 2	9 - 5	P	- 40755	74493	0.08	0.20	4.83	5730	5730	14590	39.3	0.0	4380	1.41	0.80	4.83	3501	3501	3501	100.0	15.2
Piano 2	10 - 5	P	- 18784	14361	0.08	0.34	4.83	1105	1105	4930	22.4	0.0	2010	1.37	0.80	4.83	1611	1611	1611	100.0	14.2
Piano 2	10 - 5	P	- 33896	52381	0.08	0.22	4.83	4029	4029	11653	34.6	0.0	3613	1.34	0.80	4.83	2902	2902	2902	100.0	13.2
Piano 2	8 - 6	P	- 43893	32020	0.15	0.44	4.83	4929	4929	14209	34.7	0.0	4008	1.41	1.03	4.83	4126	4126	4126	100.0	10.0
Piano 2	7 - 6	C	- 15100	1888	0.15	0.89	2.41	291	291	1681	17.3	0.0	1375	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	7 - 6	C	- 15129	1888	0.15	0.89	2.41	291	291	1683	17.3	0.0	1375	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	7 - 6	C	- 25656	8212	0.15	0.59	2.41	1264	1264	4829	26.2	0.0	2328	1.93	0.00	2.41	0	0	0	100.0	100.0
Piano 2	7 - 10	P	-6782	341	1.41	1.25	4.83	427	481	427	100.0	4.4	526	0.15	1.02	4.83	78	78	534	14.7	0.0
Piano 2	7 - 10	C	- 76533	15559 6	1.93	0.25	2.41	19711	20916	19711	100.0	100.0	7072	0.11	1.19	2.41	482	482	5365	9.0	0.0
Piano 2	8 - 9	C	- 10186 3	21608 3	1.93	0.28	2.41	30649	31182	30649	100.0	100.0	9109	0.12	1.24	2.41	635	635	6850	9.3	0.0
Piano 3	1 - 2	E	- 32897	18644 5	0.16	0.13	1.93	24413	24413	24413	100.0	1.8	9902	0.03	0.35	3.87	315	315	3458	9.1	0.0
Piano 3	1 - 3	E	-8599	24656	0.16	0.13	3.87	3284	3284	3284	100.0	0.8	2974	0.02	0.31	3.87	51	51	916	5.5	0.0
Piano 3	1 - 8	E	- 10545	18535	0.04	0.18	3.87	752	752	3308	22.7	0.0	2946	0.16	0.39	3.87	475	475	1136	41.8	0.0
Piano 3	1 - 8	E	-8056	9389	0.04	0.21	3.87	381	381	1929	19.7	0.0	2249	0.15	0.39	3.87	345	345	868	39.7	0.0
Piano 3	1 - 8	E	-8304	10140	0.04	0.20	3.87	411	411	2048	20.1	0.0	2316	0.15	0.39	3.87	338	338	895	37.8	0.0
Piano 3	1 - 7	E	- 18237	60344	0.04	0.16	3.87	2448	2448	9868	24.8	0.0	5082	0.14	0.39	3.87	696	696	1965	35.4	0.0
Piano 3	2 - 3	E	-4766	7185	0.16	0.15	3.87	1107	1107	1107	100.0	0.3	1796	0.01	0.28	3.87	16	16	512	3.1	0.0
Piano 3	2 - 9	E	- 21295	12986 6	0.02	0.13	1.93	2321	2321	17184	13.5	0.0	5820	0.16	0.35	3.87	910	910	2015	45.2	0.0
Piano 3	2 - 10	E	- 20044	11922 6	0.02	0.14	1.93	2130	2130	16152	13.2	0.0	5467	0.14	0.35	3.87	764	764	1896	40.3	0.0
Piano 3	3 - 4	E	-7460	17522	0.01	0.13	3.87	117	117	2337	5.0	0.0	2878	0.16	0.29	3.87	464	464	822	56.5	0.0
Piano 3	3 - 4	E	- 11555	46541	0.01	0.12	3.87	311	311	5598	5.6	0.0	4453	0.15	0.29	3.87	677	677	1272	53.2	0.0
Piano 3	3 - 4	E	- 21221	13367 0	0.01	0.14	3.87	894	894	18847	4.7	0.0	8163	0.14	0.29	3.87	1137	1137	2336	48.7	0.0
Piano 3	3 - 4	E	- 21501	13584 9	0.01	0.14	3.87	908	908	19303	4.7	0.0	8253	0.12	0.29	3.87	1022	1022	2367	43.2	0.0
Piano 3	3 - 4	E	- 11620	46541	0.01	0.12	3.87	311	311	5628	5.5	0.0	4453	0.11	0.29	3.87	495	495	1279	38.7	0.0
Piano 3	3 - 4	E	-8838	25665	0.01	0.13	3.87	172	172	3251	5.3	0.0	3382	0.10	0.29	3.87	344	344	973	35.3	0.0
Piano 3	6 - 4	E	- 49349	31192 9	0.10	0.12	1.93	30761	30761	37400	82.2	0.0	15348	0.03	0.34	3.87	419	419	5205	8.1	0.0
Piano 3	5 - 4	E	-5109	8399	0.10	0.15	3.87	828	828	1259	65.8	0.0	1907	0.01	0.29	3.87	17	17	548	3.1	0.0
Piano 3	10 - 5	E	- 35901	24512 1	0.02	0.12	1.93	4380	4380	28863	15.2	0.0	9757	0.11	0.35	3.87	1079	1079	3396	31.8	0.0
Piano 3	8 - 6	E	- 18936	64629	0.04	0.16	3.87	2622	2622	10627	24.7	0.0	5271	0.13	0.39	3.87	662	662	2040	32.5	0.0
Piano 3	7 - 6	E	-8086	9389	0.04	0.21	3.87	381	381	1936	19.7	0.0	2249	0.12	0.39	3.87	262	262	871	30.0	0.0
Piano 3	7 - 6	E	-8092	9389	0.04	0.21	3.87	381	381	1937	19.7	0.0	2249	0.11	0.39	3.87	245	245	872	28.2	0.0
Piano 3	7 - 6	E	- 10932	19925	0.04	0.18	3.87	808	808	3533	22.9	0.0	3036	0.10	0.39	3.87	308	308	1178	26.1	0.0
Piano 3	7 - 10	E	- 31182	17959 5	0.13	0.13	1.93	22562	22562	23150	97.5	0.0	7494	0.03	0.39	3.87	234	234	2913	8.0	0.0
Piano 3	7 - 10	E	-1764	394	0.13	0.38	3.87	49	49	151	32.7	0.0	475	0.02	0.35	3.87	9	9	167	5.4	0.0
Piano 3	8 - 9	E	- 31145	17959 5	0.14	0.13	1.93	23140	23140	23140	100.0	0.4	7494	0.03	0.39	3.87	234	234	2910	8.0	0.0
Piano 3	8 - 9	E	-1761	394	0.14	0.38	3.87	54	54	151	35.6	0.0	475	0.02	0.35	3.87	9	9	166	5.4	0.0
Piano 3	9 - 10	E	-5302	8834	0.02	0.16	3.87	158	158	1384	11.4	0.0	1444	0.13	0.35	3.87	184	184	502	36.6	0.0

**Cond\_Y 2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	Stato	N [daN]	k <sub>L</sub> [daN/ cm]	δ <sub>L</sub> [cm]	δ <sub>L,0</sub> [cm]	δ <sub>L,u</sub> [cm]	V <sub>L</sub> [daN]	V <sub>L,e</sub> [daN]	V <sub>L,u</sub> [daN]	% δ <sub>L, 0</sub>	% δ <sub>L, u</sub>	k <sub>t</sub> [daN/ cm]	δ <sub>t</sub> [cm]	δ <sub>t,0</sub> [cm]	δ <sub>t,u</sub> [cm]	V <sub>t</sub> [daN]	V <sub>t,e</sub> [daN]	V <sub>t,u</sub> [daN]	% δ <sub>t, 0</sub>	% δ <sub>t, u</sub>
Piano 1	1 - 2	E	- 91160	53848 1	0.04	0.08	1.00	24178	24178	43717	55.3	0.0	13670 3	0.01	0.16	2.00	1125	1125	21966	5.1	0.0



## Relazione di calcolo - Comune di Terni

Piano 1	1 - 3	E	- 40915	38413 5	0.04	0.07	1.00	17247	17247	26376	65.4	0.0	10050 8	0.01	0.11	2.00	1029	1029	10800	9.5	0.0
Piano 1	1 - 8	E	- 34338	11168 6	0.01	0.13	1.00	801	801	14239	5.6	0.0	42825	0.04	0.20	2.00	1908	1908	8578	22.2	0.0
Piano 1	1 - 8	E	- 34112	11168 6	0.01	0.13	1.00	801	801	14203	5.6	0.0	42825	0.04	0.20	2.00	1872	1872	8533	21.9	0.0
Piano 1	1 - 8	E	- 33887	11168 6	0.01	0.13	1.00	801	801	14166	5.7	0.0	42825	0.04	0.20	2.00	1836	1836	8488	21.6	0.0
Piano 1	1 - 7	E	- 55231	23759 5	0.01	0.14	1.00	1704	1704	33143	5.1	0.0	70355	0.04	0.20	2.00	2946	2946	13855	21.3	0.0
Piano 1	2 - 5	E	- 19275 4	17716 02	0.01	0.07	1.00	17314	17314	11787 6	14.7	0.0	32623 2	0.04	0.13	2.00	13426	13426	41881	32.1	0.0
Piano 1	3 - 4	E	- 13323	11858 3	0.01	0.08	2.00	1309	1309	9054	14.5	0.0	44354	0.04	0.08	2.00	1976	1976	3746	52.7	0.0
Piano 1	3 - 4	E	- 10733 2	15388 80	0.01	0.08	1.00	16992	16992	12644 9	13.4	0.0	37930 5	0.04	0.08	2.00	15842	15842	30298	52.3	0.0
Piano 1	3 - 4	E	- 19019	24454 8	0.01	0.09	2.00	2700	2700	21114	12.8	0.0	71884	0.04	0.07	2.00	2791	2791	5391	51.8	0.0
Piano 1	3 - 4	E	- 12582	13862 8	0.01	0.07	2.00	1531	1531	9488	16.1	0.0	48759	0.04	0.07	2.00	1843	1843	3571	51.6	0.0
Piano 1	6 - 4	E	- 11590 1	84068 1	0.04	0.07	1.00	31448	31448	61943	50.8	0.0	20901 7	0.01	0.14	2.00	1826	1826	29081	6.3	0.0
Piano 1	5 - 4	E	-8310	61299	0.04	0.07	2.00	2293	2293	4264	53.8	0.0	28193	0.01	0.08	2.00	303	303	2276	13.3	0.0
Piano 1	8 - 6	E	- 53036	22840 1	0.01	0.14	1.00	1638	1638	32049	5.1	0.0	68336	0.04	0.20	2.00	2764	2764	13334	20.7	0.0
Piano 1	7 - 6	E	- 32971	11168 6	0.01	0.13	1.00	801	801	14015	5.7	0.0	42825	0.04	0.19	2.00	1690	1690	8302	20.4	0.0
Piano 1	7 - 6	E	- 32746	11168 6	0.01	0.13	1.00	801	801	13978	5.7	0.0	42825	0.04	0.19	2.00	1654	1654	8256	20.0	0.0
Piano 1	7 - 6	E	- 33911	11996 7	0.01	0.13	1.00	860	860	15161	5.7	0.0	44660	0.04	0.19	2.00	1687	1687	8561	19.7	0.0
Piano 1	7 - 10	E	- 87307	57445 0	0.04	0.08	1.00	23271	23271	44240	52.6	0.0	10798 6	0.01	0.17	2.00	916	916	17918	5.1	0.0
Piano 1	8 - 9	E	- 88445	57445 0	0.04	0.08	1.00	23996	23996	44477	54.0	0.0	10798 6	0.01	0.17	2.00	916	916	18100	5.1	0.0
Piano 2	1 - 2	P	-7932	375	4.11	1.31	4.83	490	1543	490	100.0	79.7	694	0.07	0.97	4.83	45	45	673	6.7	0.0
Piano 2	1 - 2	C	- 62091	91214	2.41	0.32	2.41	14692	14702	14692	100.0	100.0	6160	0.07	1.10	2.41	314	314	4677	6.7	0.0
Piano 2	1 - 3	P	- 17183	8358	4.11	0.59	4.83	2535	2585	2535	100.0	83.1	2070	0.09	0.93	4.83	138	138	1499	9.2	0.0
Piano 2	1 - 8	P	- 24516	6343	0.06	0.65	4.83	405	405	4139	9.8	0.0	2116	4.11	1.08	4.83	2276	2276	2276	100.0	80.9
Piano 2	1 - 8	P	- 15716	1888	0.06	0.92	4.83	120	120	1730	7.0	0.0	1375	4.10	1.06	4.83	1464	1464	1464	100.0	80.7
Piano 2	1 - 8	P	- 15511	1888	0.06	0.91	4.83	120	120	1712	7.0	0.0	1375	4.10	1.05	4.83	1449	1449	1449	100.0	80.6
Piano 2	1 - 7	P	- 46920	36218	0.06	0.44	4.83	2311	2311	15997	14.4	0.0	4232	4.09	1.04	4.83	4399	4399	4399	100.0	80.5
Piano 2	2 - 3	P	-7555	1313	4.11	0.91	4.83	618	684	618	100.0	81.8	1065	0.09	0.82	4.83	79	79	693	11.5	0.0
Piano 2	2 - 9	P	- 16613	8770	0.08	0.40	4.83	744	744	3531	21.1	0.0	1655	4.11	0.85	4.83	1401	1401	1401	100.0	82.0
Piano 2	2 - 9	P	- 39915	65867	0.08	0.20	4.83	5585	5585	13404	41.7	0.0	4086	4.10	0.83	4.83	3389	3389	3389	100.0	81.8
Piano 2	2 - 10	P	- 23783	24333	0.08	0.32	4.83	2063	2063	7772	26.5	0.0	2509	4.09	0.81	4.83	2034	2034	2034	100.0	81.6
Piano 2	3 - 4	P	- 15801	8212	0.10	0.40	4.83	781	790	3277	23.8	0.0	2328	4.11	0.70	4.83	1638	1638	1638	100.0	82.6
Piano 2	3 - 4	P	- 22471	21825	0.10	0.31	4.83	2075	2099	6858	30.3	0.0	3407	4.10	0.69	4.83	2343	2343	2343	100.0	82.5
Piano 2	3 - 4	P	- 23504	26289	0.10	0.30	4.83	2499	2528	7800	32.0	0.0	3682	4.09	0.67	4.83	2466	2466	2466	100.0	82.3
Piano 2	3 - 4	P	- 12146	5043	0.10	0.42	4.83	479	485	2140	22.4	0.0	1947	4.09	0.66	4.83	1280	1280	1280	100.0	82.2
Piano 2	3 - 4	P	- 11527	4599	0.10	0.43	4.83	437	442	1972	22.2	0.0	1883	4.08	0.65	4.83	1219	1219	1219	100.0	82.1
Piano 2	3 - 4	P	- 22133	26647	0.10	0.28	4.83	2533	2563	7478	33.9	0.0	3703	4.08	0.63	4.83	2350	2350	2350	100.0	82.0
Piano 2	3 - 4	P	- 19759	22156	0.10	0.28	4.83	2106	2115	6253	33.7	0.0	3428	4.07	0.62	4.83	2123	2123	2123	100.0	81.8
Piano 2	3 - 4	P	- 14887	11862	0.10	0.31	4.83	1128	1132	3701	30.5	0.0	2675	4.06	0.60	4.83	1611	1611	1611	100.0	81.7
Piano 2	6 - 4	P	- 14547	8544	4.05	0.53	4.83	2307	2350	2307	100.0	82.0	2087	0.09	0.83	4.83	140	140	1350	10.3	0.0
Piano 2	5 - 4	P	-7577	2366	4.05	0.66	4.83	807	847	807	100.0	81.4	1308	0.09	0.71	4.83	97	97	740	13.1	0.0
Piano 2	6 - 5	C	- 80393	15884 6	2.41	0.25	2.41	19871	19873	19871	100.0	100.0	8849	0.07	1.09	2.41	408	408	6198	6.6	0.0
Piano 2	9 - 5	P	- 40203	74493	0.08	0.19	4.83	6317	6317	14513	43.5	0.0	4380	4.08	0.79	4.83	3465	3465	3465	100.0	81.4
Piano 2	10 - 5	P	- 17876	14361	0.08	0.33	4.83	1218	1218	4749	25.6	0.0	2010	4.07	0.77	4.83	1552	1552	1552	100.0	81.2
Piano 2	10 - 5	P	- 31177	52381	0.08	0.22	4.83	4442	4442	11284	39.4	0.0	3613	4.06	0.75	4.83	2725	2725	2725	100.0	81.1
Piano 2	8 - 6	P	- 43502	32020	0.06	0.44	4.83	2043	2043	14109	14.5	0.0	4008	4.08	1.02	4.83	4097	4097	4097	100.0	80.3
Piano 2	7 - 6	P	- 14672	1888	0.06	0.87	4.83	120	120	1639	7.3	0.0	1375	4.07	1.01	4.83	1387	1387	1387	100.0	80.1
Piano 2	7 - 6	P	- 14467	1888	0.06	0.86	4.83	120	120	1621	7.4	0.0	1375	4.06	1.00	4.83	1371	1371	1371	100.0	80.0
Piano 2	7 - 6	P	- 24103	8212	0.06	0.56	4.83	524	524	4584	11.4	0.0	2328	4.06	0.98	4.83	2292	2292	2292	100.0	79.9



Piano 2	7 - 10	E	-6720	341	4.08	1.25	4.83	425	1391	425	100.0	79.1	526	0.07	1.01	4.83	34	34	531	6.5	0.0
Piano 2	7 - 10	C	-75619	155596	2.41	0.25	2.41	19632	20914	19632	100.0	100.0	7072	0.08	1.19	2.41	344	344	5338	6.4	0.0
Piano 2	8 - 9	C	-103496	216083	2.41	0.28	2.41	30810	31022	30810	100.0	100.0	9109	0.07	1.25	2.41	409	409	6889	5.9	0.0
Piano 3	1 - 2	E	-34147	186445	0.16	0.13	1.93	24743	24743	24743	100.0	1.5	9902	0.01	0.36	3.87	84	84	3575	2.3	0.0
Piano 3	1 - 3	E	-8978	24656	0.16	0.14	3.87	3415	3415	3415	100.0	0.6	2974	0.02	0.32	3.87	57	57	953	5.9	0.0
Piano 3	1 - 8	E	-10885	18535	0.00	0.18	3.87	40	40	3406	1.2	0.0	2946	0.16	0.40	3.87	463	463	1170	39.6	0.0
Piano 3	1 - 8	E	-8250	9389	0.00	0.21	3.87	20	20	1972	1.0	0.0	2249	0.15	0.39	3.87	341	341	887	38.5	0.0
Piano 3	1 - 8	E	-8439	10140	0.00	0.20	3.87	22	22	2079	1.1	0.0	2316	0.15	0.39	3.87	340	340	908	37.4	0.0
Piano 3	1 - 7	E	-18355	60344	0.00	0.16	3.87	131	131	9926	1.3	0.0	5082	0.14	0.39	3.87	712	712	1977	36.0	0.0
Piano 3	2 - 3	E	-4996	7185	0.16	0.16	3.87	1144	1144	1156	98.9	0.0	1796	0.02	0.30	3.87	45	45	534	8.3	0.0
Piano 3	2 - 9	E	-22019	129866	0.02	0.13	1.93	2387	2387	17384	13.7	0.0	5820	0.15	0.36	3.87	896	896	2077	43.1	0.0
Piano 3	2 - 10	E	-20293	119226	0.02	0.14	1.93	2191	2191	16221	13.5	0.0	5467	0.14	0.35	3.87	777	777	1918	40.5	0.0
Piano 3	3 - 4	E	-7801	17522	0.03	0.14	3.87	462	462	2437	19.0	0.0	2878	0.16	0.30	3.87	453	453	857	52.9	0.0
Piano 3	3 - 4	E	-11926	46541	0.03	0.12	3.87	1227	1227	5768	21.3	0.0	4453	0.15	0.29	3.87	671	671	1311	51.2	0.0
Piano 3	3 - 4	E	-21507	133670	0.03	0.14	3.87	3524	3524	19086	18.5	0.0	8163	0.14	0.29	3.87	1157	1157	2366	48.9	0.0
Piano 3	3 - 4	E	-21306	135849	0.03	0.14	3.87	3582	3582	19138	18.7	0.0	8253	0.13	0.28	3.87	1079	1079	2347	46.0	0.0
Piano 3	3 - 4	E	-11299	46541	0.03	0.12	3.87	1227	1227	5481	22.4	0.0	4453	0.12	0.28	3.87	541	541	1246	43.5	0.0
Piano 3	3 - 4	E	-8472	25665	0.03	0.12	3.87	677	677	3124	21.7	0.0	3382	0.11	0.28	3.87	388	388	935	41.5	0.0
Piano 3	6 - 4	E	-47489	311929	0.11	0.12	1.93	35156	35156	36896	95.3	0.0	15348	0.01	0.33	3.87	179	179	5028	3.6	0.0
Piano 3	5 - 4	E	-4881	8399	0.11	0.14	3.87	947	947	1208	78.4	0.0	1907	0.02	0.28	3.87	47	47	526	9.0	0.0
Piano 3	10 - 5	E	-34984	245121	0.02	0.12	1.93	4505	4505	28607	15.7	0.0	9757	0.12	0.34	3.87	1183	1183	3317	35.7	0.0
Piano 3	8 - 6	E	-18834	64629	0.00	0.16	3.87	141	141	10573	1.3	0.0	5271	0.13	0.39	3.87	696	696	2030	34.3	0.0
Piano 3	7 - 6	E	-7963	9389	0.00	0.20	3.87	20	20	1909	1.1	0.0	2249	0.13	0.38	3.87	282	282	859	32.8	0.0
Piano 3	7 - 6	E	-7907	9389	0.00	0.20	3.87	20	20	1896	1.1	0.0	2249	0.12	0.38	3.87	270	270	853	31.7	0.0
Piano 3	7 - 6	E	-10593	19925	0.00	0.17	3.87	43	43	3431	1.3	0.0	3036	0.11	0.38	3.87	348	348	1144	30.4	0.0
Piano 3	7 - 10	E	-31006	179595	0.13	0.13	1.93	23103	23103	23103	100.0	0.2	7494	0.01	0.39	3.87	66	66	2899	2.3	0.0
Piano 3	7 - 10	E	-1753	394	0.13	0.38	3.87	52	52	150	34.5	0.0	475	0.02	0.35	3.87	8	8	166	5.0	0.0
Piano 3	8 - 9	E	-31359	179595	0.14	0.13	1.93	23197	23197	23197	100.0	0.6	7494	0.01	0.39	3.87	66	66	2928	2.3	0.0
Piano 3	8 - 9	E	-1775	394	0.14	0.39	3.87	55	55	152	36.2	0.0	475	0.02	0.35	3.87	8	8	168	5.0	0.0
Piano 3	9 - 10	E	-5282	8834	0.02	0.16	3.87	162	162	1379	11.8	0.0	1444	0.13	0.35	3.87	192	192	500	38.5	0.0

#### 4.2.2 Spostamenti degli elementi maschio per SLD.

**Tabella 3.I**

Imp. : numero dell'impalcato  
Fili : numero dei fili fissi iniziale e finale  
H : altezza dell'elemento  
 $\mu$  : frazione per valore limite SLD  
 $\delta_{SLD}$  : spostamento raggiunto dagli elementi per SLD  
 $\delta_{SLD \text{ lim}}$  : spostamento limite per SLD

**Cond\_X\_1(+); E(+); S2(+)** : 1) - Sisma X (+); 0.3 \* Sisma Y (+); **Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD \text{ lim}}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60



Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.09	1.16
Piano 3	1 - 3	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 7	387.00	0.0030	0.09	1.16
Piano 3	2 - 3	387.00	0.0030	0.09	1.16
Piano 3	2 - 9	387.00	0.0030	0.09	1.16
Piano 3	2 - 10	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	6 - 4	387.00	0.0030	0.09	1.16
Piano 3	5 - 4	387.00	0.0030	0.09	1.16
Piano 3	10 - 5	387.00	0.0030	0.09	1.16
Piano 3	8 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 10	387.00	0.0030	0.09	1.16
Piano 3	7 - 10	387.00	0.0030	0.09	1.16
Piano 3	8 - 9	387.00	0.0030	0.09	1.16
Piano 3	8 - 9	387.00	0.0030	0.09	1.16
Piano 3	9 - 10	387.00	0.0030	0.09	1.16

Cond X 1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.34	1.45
Piano 2	1 - 2	483.00	0.0030	1.34	1.45
Piano 2	1 - 3	483.00	0.0030	1.35	1.45



**Cond\_X\_1(+); E(-); S2(+)** : **3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;**  
**Eccentricità accidentale (- 0.05\*L<sub>y</sub>)**

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Piano 2	3 - 4	483.00	0.0030	1.18	1.45
Piano 2	3 - 4	483.00	0.0030	1.18	1.45
Piano 2	3 - 4	483.00	0.0030	1.18	1.45
Piano 2	3 - 4	483.00	0.0030	1.18	1.45
Piano 2	3 - 4	483.00	0.0030	1.18	1.45
Piano 2	6 - 4	483.00	0.0030	1.17	1.45
Piano 2	5 - 4	483.00	0.0030	1.18	1.45
Piano 2	6 - 5	483.00	0.0030	1.17	1.45
Piano 2	9 - 5	483.00	0.0030	1.17	1.45
Piano 2	10 - 5	483.00	0.0030	1.17	1.45
Piano 2	10 - 5	483.00	0.0030	1.17	1.45
Piano 2	8 - 6	483.00	0.0030	1.16	1.45
Piano 2	7 - 6	483.00	0.0030	1.16	1.45
Piano 2	7 - 6	483.00	0.0030	1.16	1.45
Piano 2	7 - 6	483.00	0.0030	1.16	1.45
Piano 2	7 - 10	483.00	0.0030	1.16	1.45
Piano 2	7 - 10	483.00	0.0030	1.17	1.45
Piano 2	8 - 9	483.00	0.0030	1.17	1.45
Piano 3	1 - 2	387.00	0.0030	0.09	1.16
Piano 3	1 - 3	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 7	387.00	0.0030	0.09	1.16
Piano 3	2 - 3	387.00	0.0030	0.09	1.16
Piano 3	2 - 9	387.00	0.0030	0.09	1.16
Piano 3	2 - 10	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	6 - 4	387.00	0.0030	0.09	1.16
Piano 3	5 - 4	387.00	0.0030	0.09	1.16
Piano 3	10 - 5	387.00	0.0030	0.09	1.16
Piano 3	8 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 10	387.00	0.0030	0.09	1.16
Piano 3	7 - 10	387.00	0.0030	0.09	1.16
Piano 3	8 - 9	387.00	0.0030	0.09	1.16
Piano 3	8 - 9	387.00	0.0030	0.09	1.16
Piano 3	9 - 10	387.00	0.0030	0.09	1.16

Cond\_X 1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.26	1.45
Piano 2	1 - 2	483.00	0.0030	1.26	1.45
Piano 2	1 - 3	483.00	0.0030	1.27	1.45
Piano 2	1 - 8	483.00	0.0030	1.26	1.45
Piano 2	1 - 8	483.00	0.0030	1.26	1.45
Piano 2	1 - 8	483.00	0.0030	1.26	1.45
Piano 2	1 - 7	483.00	0.0030	1.26	1.45
Piano 2	2 - 3	483.00	0.0030	1.27	1.45
Piano 2	2 - 9	483.00	0.0030	1.27	1.45
Piano 2	2 - 9	483.00	0.0030	1.27	1.45
Piano 2	2 - 10	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	3 - 4	483.00	0.0030	1.27	1.45
Piano 2	6 - 4	483.00	0.0030	1.27	1.45
Piano 2	5 - 4	483.00	0.0030	1.27	1.45
Piano 2	6 - 5	483.00	0.0030	1.26	1.45
Piano 2	9 - 5	483.00	0.0030	1.27	1.45
Piano 2	10 - 5	483.00	0.0030	1.27	1.45
Piano 2	10 - 5	483.00	0.0030	1.27	1.45



Piano 2	8 - 6	483.00	0.0030	1.26	1.45
Piano 2	7 - 6	483.00	0.0030	1.26	1.45
Piano 2	7 - 6	483.00	0.0030	1.26	1.45
Piano 2	7 - 6	483.00	0.0030	1.26	1.45
Piano 2	7 - 10	483.00	0.0030	1.26	1.45
Piano 2	7 - 10	483.00	0.0030	1.26	1.45
Piano 2	8 - 9	483.00	0.0030	1.26	1.45
Piano 3	1 - 2	387.00	0.0030	0.09	1.16
Piano 3	1 - 3	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 8	387.00	0.0030	0.09	1.16
Piano 3	1 - 7	387.00	0.0030	0.09	1.16
Piano 3	2 - 3	387.00	0.0030	0.09	1.16
Piano 3	2 - 9	387.00	0.0030	0.09	1.16
Piano 3	2 - 10	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	6 - 4	387.00	0.0030	0.09	1.16
Piano 3	5 - 4	387.00	0.0030	0.09	1.16
Piano 3	10 - 5	387.00	0.0030	0.09	1.16
Piano 3	8 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 10	387.00	0.0030	0.09	1.16
Piano 3	7 - 10	387.00	0.0030	0.09	1.16
Piano 3	8 - 9	387.00	0.0030	0.09	1.16
Piano 3	8 - 9	387.00	0.0030	0.09	1.16
Piano 3	9 - 10	387.00	0.0030	0.09	1.16

Cond\_X\_1(-); E(+); S2(+): 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.10	1.16
Piano 3	1 - 3	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16



Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 7	387.00	0.0030	0.10	1.16
Piano 3	2 - 3	387.00	0.0030	0.10	1.16
Piano 3	2 - 9	387.00	0.0030	0.10	1.16
Piano 3	2 - 10	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	6 - 4	387.00	0.0030	0.10	1.16
Piano 3	5 - 4	387.00	0.0030	0.10	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	9 - 10	387.00	0.0030	0.10	1.16

**Cond\_X 1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.34	1.45
Piano 2	1 - 2	483.00	0.0030	1.35	1.45
Piano 2	1 - 3	483.00	0.0030	1.36	1.45
Piano 2	1 - 8	483.00	0.0030	1.34	1.45
Piano 2	1 - 8	483.00	0.0030	1.34	1.45
Piano 2	1 - 8	483.00	0.0030	1.34	1.45
Piano 2	1 - 7	483.00	0.0030	1.34	1.45
Piano 2	2 - 3	483.00	0.0030	1.36	1.45
Piano 2	2 - 9	483.00	0.0030	1.36	1.45
Piano 2	2 - 9	483.00	0.0030	1.36	1.45
Piano 2	2 - 10	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	6 - 4	483.00	0.0030	1.36	1.45
Piano 2	5 - 4	483.00	0.0030	1.36	1.45
Piano 2	6 - 5	483.00	0.0030	1.34	1.45
Piano 2	9 - 5	483.00	0.0030	1.36	1.45
Piano 2	10 - 5	483.00	0.0030	1.36	1.45
Piano 2	10 - 5	483.00	0.0030	1.36	1.45
Piano 2	8 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 10	483.00	0.0030	1.34	1.45
Piano 2	7 - 10	483.00	0.0030	1.35	1.45
Piano 2	8 - 9	483.00	0.0030	1.35	1.45
Piano 3	1 - 2	387.00	0.0030	0.10	1.16
Piano 3	1 - 3	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 7	387.00	0.0030	0.10	1.16
Piano 3	2 - 3	387.00	0.0030	0.10	1.16
Piano 3	2 - 9	387.00	0.0030	0.10	1.16
Piano 3	2 - 10	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16



Piano 3	6 - 4	387.00	0.0030	0.10	1.16
Piano 3	5 - 4	387.00	0.0030	0.10	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	9 - 10	387.00	0.0030	0.10	1.16

**Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.10	1.16
Piano 3	1 - 3	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 7	387.00	0.0030	0.10	1.16
Piano 3	2 - 3	387.00	0.0030	0.10	1.16
Piano 3	2 - 9	387.00	0.0030	0.10	1.16
Piano 3	2 - 10	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	6 - 4	387.00	0.0030	0.10	1.16
Piano 3	5 - 4	387.00	0.0030	0.10	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16



Piano 3	9 - 10	387.00	0.0030	0.10	1.16
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**Cond\_X\_1(-); E(-); S2(-) : 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.34	1.45
Piano 2	1 - 2	483.00	0.0030	1.35	1.45
Piano 2	1 - 3	483.00	0.0030	1.36	1.45
Piano 2	1 - 8	483.00	0.0030	1.34	1.45
Piano 2	1 - 8	483.00	0.0030	1.34	1.45
Piano 2	1 - 7	483.00	0.0030	1.34	1.45
Piano 2	2 - 3	483.00	0.0030	1.36	1.45
Piano 2	2 - 9	483.00	0.0030	1.35	1.45
Piano 2	2 - 9	483.00	0.0030	1.35	1.45
Piano 2	2 - 10	483.00	0.0030	1.35	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	6 - 4	483.00	0.0030	1.36	1.45
Piano 2	5 - 4	483.00	0.0030	1.36	1.45
Piano 2	6 - 5	483.00	0.0030	1.35	1.45
Piano 2	9 - 5	483.00	0.0030	1.35	1.45
Piano 2	10 - 5	483.00	0.0030	1.35	1.45
Piano 2	10 - 5	483.00	0.0030	1.35	1.45
Piano 2	8 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 6	483.00	0.0030	1.34	1.45
Piano 2	7 - 10	483.00	0.0030	1.34	1.45
Piano 2	7 - 10	483.00	0.0030	1.35	1.45
Piano 2	8 - 9	483.00	0.0030	1.35	1.45
Piano 3	1 - 2	387.00	0.0030	0.10	1.16
Piano 3	1 - 3	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 8	387.00	0.0030	0.10	1.16
Piano 3	1 - 7	387.00	0.0030	0.10	1.16
Piano 3	2 - 3	387.00	0.0030	0.10	1.16
Piano 3	2 - 9	387.00	0.0030	0.10	1.16
Piano 3	2 - 10	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	6 - 4	387.00	0.0030	0.10	1.16
Piano 3	5 - 4	387.00	0.0030	0.10	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.10	1.16
Piano 3	9 - 10	387.00	0.0030	0.10	1.16

**Cond\_X\_2(+); E(+); S2(+): 9) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60



Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.23	1.45
Piano 2	1 - 2	483.00	0.0030	1.23	1.45
Piano 2	1 - 3	483.00	0.0030	1.24	1.45
Piano 2	1 - 8	483.00	0.0030	1.23	1.45
Piano 2	1 - 8	483.00	0.0030	1.23	1.45
Piano 2	1 - 7	483.00	0.0030	1.23	1.45
Piano 2	2 - 3	483.00	0.0030	1.25	1.45
Piano 2	2 - 9	483.00	0.0030	1.24	1.45
Piano 2	2 - 9	483.00	0.0030	1.24	1.45
Piano 2	2 - 10	483.00	0.0030	1.24	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	3 - 4	483.00	0.0030	1.25	1.45
Piano 2	6 - 4	483.00	0.0030	1.24	1.45
Piano 2	5 - 4	483.00	0.0030	1.25	1.45
Piano 2	6 - 5	483.00	0.0030	1.23	1.45
Piano 2	9 - 5	483.00	0.0030	1.24	1.45
Piano 2	10 - 5	483.00	0.0030	1.24	1.45
Piano 2	10 - 5	483.00	0.0030	1.24	1.45
Piano 2	8 - 6	483.00	0.0030	1.23	1.45
Piano 2	7 - 6	483.00	0.0030	1.23	1.45
Piano 2	7 - 6	483.00	0.0030	1.23	1.45
Piano 2	7 - 6	483.00	0.0030	1.23	1.45
Piano 2	7 - 10	483.00	0.0030	1.23	1.45
Piano 2	7 - 10	483.00	0.0030	1.24	1.45
Piano 2	8 - 9	483.00	0.0030	1.24	1.45
Piano 3	1 - 2	387.00	0.0030	0.12	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16

Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60



Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.31	1.45
Piano 2	1 - 2	483.00	0.0030	1.32	1.45
Piano 2	1 - 3	483.00	0.0030	1.32	1.45
Piano 2	1 - 8	483.00	0.0030	1.31	1.45
Piano 2	1 - 8	483.00	0.0030	1.31	1.45
Piano 2	1 - 8	483.00	0.0030	1.31	1.45
Piano 2	1 - 7	483.00	0.0030	1.31	1.45
Piano 2	2 - 3	483.00	0.0030	1.33	1.45
Piano 2	2 - 9	483.00	0.0030	1.32	1.45
Piano 2	2 - 9	483.00	0.0030	1.32	1.45
Piano 2	2 - 10	483.00	0.0030	1.32	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	6 - 4	483.00	0.0030	1.32	1.45
Piano 2	5 - 4	483.00	0.0030	1.33	1.45
Piano 2	6 - 5	483.00	0.0030	1.31	1.45
Piano 2	9 - 5	483.00	0.0030	1.32	1.45
Piano 2	10 - 5	483.00	0.0030	1.32	1.45
Piano 2	10 - 5	483.00	0.0030	1.32	1.45
Piano 2	8 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 10	483.00	0.0030	1.31	1.45
Piano 2	7 - 10	483.00	0.0030	1.32	1.45
Piano 2	8 - 9	483.00	0.0030	1.32	1.45
Piano 3	1 - 2	387.00	0.0030	0.12	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.12	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16

Cond\_X\_2(+); E(-); S2(+) : 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLDlim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.23	1.45
Piano 2	1 - 2	483.00	0.0030	1.24	1.45
Piano 2	1 - 3	483.00	0.0030	1.25	1.45
Piano 2	1 - 8	483.00	0.0030	1.23	1.45
Piano 2	1 - 8	483.00	0.0030	1.23	1.45
Piano 2	1 - 8	483.00	0.0030	1.23	1.45
Piano 2	1 - 7	483.00	0.0030	1.23	1.45



**Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

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Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	6 - 4	483.00	0.0030	1.32	1.45
Piano 2	5 - 4	483.00	0.0030	1.33	1.45
Piano 2	6 - 5	483.00	0.0030	1.32	1.45
Piano 2	9 - 5	483.00	0.0030	1.32	1.45
Piano 2	10 - 5	483.00	0.0030	1.32	1.45
Piano 2	10 - 5	483.00	0.0030	1.32	1.45
Piano 2	8 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 6	483.00	0.0030	1.31	1.45
Piano 2	7 - 10	483.00	0.0030	1.32	1.45
Piano 2	7 - 10	483.00	0.0030	1.32	1.45
Piano 2	8 - 9	483.00	0.0030	1.32	1.45
Piano 3	1 - 2	387.00	0.0030	0.12	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.12	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16

Cond\_X 2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45



Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 7	387.00	0.0030	0.13	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.13	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16

Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLDlim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.12	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.12	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16



Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16

Cond\_X 2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.39	1.45
Piano 2	1 - 2	483.00	0.0030	1.40	1.45
Piano 2	1 - 3	483.00	0.0030	1.40	1.45
Piano 2	1 - 8	483.00	0.0030	1.39	1.45
Piano 2	1 - 8	483.00	0.0030	1.39	1.45
Piano 2	1 - 8	483.00	0.0030	1.39	1.45
Piano 2	1 - 7	483.00	0.0030	1.39	1.45
Piano 2	2 - 3	483.00	0.0030	1.40	1.45
Piano 2	2 - 9	483.00	0.0030	1.40	1.45
Piano 2	2 - 9	483.00	0.0030	1.40	1.45
Piano 2	2 - 10	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	6 - 4	483.00	0.0030	1.40	1.45
Piano 2	5 - 4	483.00	0.0030	1.40	1.45
Piano 2	6 - 5	483.00	0.0030	1.39	1.45
Piano 2	9 - 5	483.00	0.0030	1.40	1.45
Piano 2	10 - 5	483.00	0.0030	1.40	1.45
Piano 2	10 - 5	483.00	0.0030	1.40	1.45
Piano 2	8 - 6	483.00	0.0030	1.39	1.45
Piano 2	7 - 6	483.00	0.0030	1.39	1.45
Piano 2	7 - 6	483.00	0.0030	1.39	1.45
Piano 2	7 - 6	483.00	0.0030	1.39	1.45
Piano 2	7 - 10	483.00	0.0030	1.39	1.45
Piano 2	7 - 10	483.00	0.0030	1.40	1.45
Piano 2	8 - 9	483.00	0.0030	1.40	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 7	387.00	0.0030	0.13	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.13	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.13	1.16



Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.13	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16

Cond\_X 2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.D.}$ [cm]	$\delta_{St.D. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.03	0.60
Piano 1	1 - 7	200.00	0.0030	0.03	0.60
Piano 1	2 - 5	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	3 - 4	200.00	0.0030	0.03	0.60
Piano 1	6 - 4	200.00	0.0030	0.03	0.60
Piano 1	5 - 4	200.00	0.0030	0.03	0.60
Piano 1	8 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 6	200.00	0.0030	0.03	0.60
Piano 1	7 - 10	200.00	0.0030	0.03	0.60
Piano 1	8 - 9	200.00	0.0030	0.03	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.12	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.12	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.12	1.16







Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.06	0.60
Piano 1	5 - 4	200.00	0.0030	0.06	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60
Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.11	1.16
Piano 3	1 - 3	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.11	1.16
Piano 3	2 - 9	387.00	0.0030	0.11	1.16
Piano 3	2 - 10	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	6 - 4	387.00	0.0030	0.11	1.16
Piano 3	5 - 4	387.00	0.0030	0.11	1.16
Piano 3	10 - 5	387.00	0.0030	0.11	1.16
Piano 3	8 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	9 - 10	387.00	0.0030	0.11	1.16

Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.06	0.60
Piano 1	1 - 3	200.00	0.0030	0.06	0.60
Piano 1	1 - 8	200.00	0.0030	0.06	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 7	200.00	0.0030	0.05	0.60
Piano 1	2 - 5	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.06	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60



Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.12	1.16
Piano 3	1 - 3	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.12	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	6 - 4	387.00	0.0030	0.09	1.16
Piano 3	5 - 4	387.00	0.0030	0.09	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	9 - 10	387.00	0.0030	0.11	1.16

Cond\_Y\_1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fil	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLDlim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.05	0.60
Piano 1	1 - 3	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 7	200.00	0.0030	0.05	0.60
Piano 1	2 - 5	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60
Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45



Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.12	1.16
Piano 3	2 - 3	387.00	0.0030	0.13	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	6 - 4	387.00	0.0030	0.10	1.16
Piano 3	5 - 4	387.00	0.0030	0.10	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	8 - 9	387.00	0.0030	0.12	1.16
Piano 3	9 - 10	387.00	0.0030	0.11	1.16

**Cond\_Y\_1(-); E(+); S2(+)** : 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
**Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{S.D.} [cm]$	$\delta_{S.D. lim} [cm]$
Piano 1	1 - 2	200.00	0.0030	0.05	0.60
Piano 1	1 - 3	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 7	200.00	0.0030	0.05	0.60
Piano 1	2 - 5	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.05	0.60
Piano 1	5 - 4	200.00	0.0030	0.05	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60
Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45



Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.11	1.16
Piano 3	1 - 3	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.11	1.16
Piano 3	2 - 9	387.00	0.0030	0.11	1.16
Piano 3	2 - 10	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	6 - 4	387.00	0.0030	0.11	1.16
Piano 3	5 - 4	387.00	0.0030	0.11	1.16
Piano 3	10 - 5	387.00	0.0030	0.11	1.16
Piano 3	8 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	9 - 10	387.00	0.0030	0.11	1.16

Cond\_Y 1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.05	0.60
Piano 1	1 - 3	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 7	200.00	0.0030	0.05	0.60
Piano 1	2 - 5	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.05	0.60
Piano 1	5 - 4	200.00	0.0030	0.05	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60
Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.39	1.45
Piano 2	1 - 2	483.00	0.0030	1.39	1.45
Piano 2	1 - 3	483.00	0.0030	1.39	1.45
Piano 2	1 - 8	483.00	0.0030	1.40	1.45
Piano 2	1 - 8	483.00	0.0030	1.44	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.39	1.45
Piano 2	2 - 9	483.00	0.0030	1.40	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45



Piano 3	1 - 2	387.00	0.0030	0.11	1.16
Piano 3	1 - 3	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.11	1.16
Piano 3	2 - 9	387.00	0.0030	0.11	1.16
Piano 3	2 - 10	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.11	1.16
Piano 3	8 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	9 - 10	387.00	0.0030	0.11	1.16

Cond\_Y 1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.05	0.60
Piano 1	1 - 3	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 7	200.00	0.0030	0.05	0.60
Piano 1	2 - 5	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.05	0.60
Piano 1	5 - 4	200.00	0.0030	0.05	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60
Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.11	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.13	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16



Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	3 - 4	387.00	0.0030	0.08	1.16
Piano 3	6 - 4	387.00	0.0030	0.08	1.16
Piano 3	5 - 4	387.00	0.0030	0.08	1.16
Piano 3	10 - 5	387.00	0.0030	0.09	1.16
Piano 3	8 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.08	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	9 - 10	387.00	0.0030	0.10	1.16

**Cond\_Y 1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLDlim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.05	0.60
Piano 1	1 - 3	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 7	200.00	0.0030	0.05	0.60
Piano 1	2 - 5	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.05	0.60
Piano 1	5 - 4	200.00	0.0030	0.05	0.60
Piano 1	8 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.05	0.60
Piano 1	8 - 9	200.00	0.0030	0.05	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 8	387.00	0.0030	0.12	1.16
Piano 3	1 - 7	387.00	0.0030	0.11	1.16
Piano 3	2 - 3	387.00	0.0030	0.13	1.16
Piano 3	2 - 9	387.00	0.0030	0.12	1.16
Piano 3	2 - 10	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	3 - 4	387.00	0.0030	0.09	1.16
Piano 3	6 - 4	387.00	0.0030	0.09	1.16
Piano 3	5 - 4	387.00	0.0030	0.09	1.16
Piano 3	10 - 5	387.00	0.0030	0.10	1.16
Piano 3	8 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16
Piano 3	7 - 6	387.00	0.0030	0.09	1.16



Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.10	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	8 - 9	387.00	0.0030	0.11	1.16
Piano 3	9 - 10	387.00	0.0030	0.10	1.16

**Cond\_Y\_2(+); E(+); S2(+)** : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
**Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.13	1.16
Piano 3	2 - 9	387.00	0.0030	0.14	1.16
Piano 3	2 - 10	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	6 - 4	387.00	0.0030	0.15	1.16
Piano 3	5 - 4	387.00	0.0030	0.15	1.16
Piano 3	10 - 5	387.00	0.0030	0.15	1.16
Piano 3	8 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.15	1.16
Piano 3	7 - 6	387.00	0.0030	0.15	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.14	1.16

**Cond\_Y\_2(+); E(+); S2(-)** : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
**Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
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Piano 1	1 - 2	200.00	0.0030	0.03	0.60
Piano 1	1 - 3	200.00	0.0030	0.03	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	6 - 4	200.00	0.0030	0.05	0.60
Piano 1	5 - 4	200.00	0.0030	0.05	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.05	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.29	1.45
Piano 2	1 - 2	483.00	0.0030	1.29	1.45
Piano 2	1 - 3	483.00	0.0030	1.29	1.45
Piano 2	1 - 8	483.00	0.0030	1.30	1.45
Piano 2	1 - 8	483.00	0.0030	1.34	1.45
Piano 2	1 - 8	483.00	0.0030	1.38	1.45
Piano 2	1 - 7	483.00	0.0030	1.43	1.45
Piano 2	2 - 3	483.00	0.0030	1.29	1.45
Piano 2	2 - 9	483.00	0.0030	1.30	1.45
Piano 2	2 - 9	483.00	0.0030	1.36	1.45
Piano 2	2 - 10	483.00	0.0030	1.42	1.45
Piano 2	3 - 4	483.00	0.0030	1.30	1.45
Piano 2	3 - 4	483.00	0.0030	1.35	1.45
Piano 2	3 - 4	483.00	0.0030	1.41	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.43	1.45
Piano 3	1 - 2	387.00	0.0030	0.14	1.16
Piano 3	1 - 3	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.14	1.16
Piano 3	2 - 9	387.00	0.0030	0.14	1.16
Piano 3	2 - 10	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	6 - 4	387.00	0.0030	0.14	1.16
Piano 3	5 - 4	387.00	0.0030	0.14	1.16
Piano 3	10 - 5	387.00	0.0030	0.14	1.16
Piano 3	8 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.14	1.16

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.05	0.60
Piano 1	1 - 3	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.05	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.05	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60



Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.16	1.16
Piano 3	1 - 3	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.15	1.16
Piano 3	1 - 8	387.00	0.0030	0.15	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.16	1.16
Piano 3	2 - 9	387.00	0.0030	0.16	1.16
Piano 3	2 - 10	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.16	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.13	1.16
Piano 3	8 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.14	1.16

Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45



Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.17	1.16
Piano 3	1 - 3	387.00	0.0030	0.17	1.16
Piano 3	1 - 8	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.15	1.16
Piano 3	1 - 7	387.00	0.0030	0.15	1.16
Piano 3	2 - 3	387.00	0.0030	0.17	1.16
Piano 3	2 - 9	387.00	0.0030	0.16	1.16
Piano 3	2 - 10	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.16	1.16
Piano 3	3 - 4	387.00	0.0030	0.16	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	6 - 4	387.00	0.0030	0.12	1.16
Piano 3	5 - 4	387.00	0.0030	0.12	1.16
Piano 3	10 - 5	387.00	0.0030	0.13	1.16
Piano 3	8 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.15	1.16
Piano 3	8 - 9	387.00	0.0030	0.15	1.16
Piano 3	9 - 10	387.00	0.0030	0.14	1.16

**Cond\_Y\_2(-); E(+); S2(+)** : 29) - **Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;**  
**Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45



Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.14	1.16
Piano 3	1 - 3	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.14	1.16
Piano 3	2 - 9	387.00	0.0030	0.14	1.16
Piano 3	2 - 10	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	6 - 4	387.00	0.0030	0.14	1.16
Piano 3	5 - 4	387.00	0.0030	0.14	1.16
Piano 3	10 - 5	387.00	0.0030	0.14	1.16
Piano 3	8 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.14	1.16

Cond\_Y\_2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.31	1.45
Piano 2	1 - 2	483.00	0.0030	1.31	1.45
Piano 2	1 - 3	483.00	0.0030	1.31	1.45
Piano 2	1 - 8	483.00	0.0030	1.32	1.45
Piano 2	1 - 8	483.00	0.0030	1.37	1.45
Piano 2	1 - 8	483.00	0.0030	1.41	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.31	1.45
Piano 2	2 - 9	483.00	0.0030	1.32	1.45
Piano 2	2 - 9	483.00	0.0030	1.39	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.32	1.45
Piano 2	3 - 4	483.00	0.0030	1.38	1.45
Piano 2	3 - 4	483.00	0.0030	1.44	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45



Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.13	1.16
Piano 3	1 - 3	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.13	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 8	387.00	0.0030	0.14	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.13	1.16
Piano 3	2 - 9	387.00	0.0030	0.14	1.16
Piano 3	2 - 10	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	6 - 4	387.00	0.0030	0.15	1.16
Piano 3	5 - 4	387.00	0.0030	0.15	1.16
Piano 3	10 - 5	387.00	0.0030	0.15	1.16
Piano 3	8 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.14	1.16
Piano 3	7 - 6	387.00	0.0030	0.15	1.16
Piano 3	7 - 6	387.00	0.0030	0.15	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	7 - 10	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.14	1.16

Cond\_Y\_2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD}$ [cm]	$\delta_{SLD\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.44	1.45
Piano 2	3 - 4	483.00	0.0030	1.42	1.45
Piano 2	3 - 4	483.00	0.0030	1.40	1.45
Piano 2	3 - 4	483.00	0.0030	1.36	1.45
Piano 2	3 - 4	483.00	0.0030	1.33	1.45
Piano 2	6 - 4	483.00	0.0030	1.32	1.45
Piano 2	5 - 4	483.00	0.0030	1.32	1.45
Piano 2	6 - 5	483.00	0.0030	1.32	1.45
Piano 2	9 - 5	483.00	0.0030	1.41	1.45
Piano 2	10 - 5	483.00	0.0030	1.37	1.45
Piano 2	10 - 5	483.00	0.0030	1.34	1.45
Piano 2	8 - 6	483.00	0.0030	1.41	1.45
Piano 2	7 - 6	483.00	0.0030	1.38	1.45
Piano 2	7 - 6	483.00	0.0030	1.35	1.45
Piano 2	7 - 6	483.00	0.0030	1.33	1.45
Piano 2	7 - 10	483.00	0.0030	1.41	1.45
Piano 2	7 - 10	483.00	0.0030	1.41	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.16	1.16
Piano 3	1 - 3	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.15	1.16



Piano 3	1 - 8	387.00	0.0030	0.15	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.16	1.16
Piano 3	2 - 9	387.00	0.0030	0.16	1.16
Piano 3	2 - 10	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.16	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16
Piano 3	3 - 4	387.00	0.0030	0.10	1.16
Piano 3	6 - 4	387.00	0.0030	0.10	1.16
Piano 3	5 - 4	387.00	0.0030	0.10	1.16
Piano 3	10 - 5	387.00	0.0030	0.11	1.16
Piano 3	8 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 6	387.00	0.0030	0.10	1.16
Piano 3	7 - 10	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.13	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.13	1.16

**Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLD} [cm]$	$\delta_{SLDlim} [cm]$
Piano 1	1 - 2	200.00	0.0030	0.04	0.60
Piano 1	1 - 3	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 8	200.00	0.0030	0.04	0.60
Piano 1	1 - 7	200.00	0.0030	0.04	0.60
Piano 1	2 - 5	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	3 - 4	200.00	0.0030	0.04	0.60
Piano 1	6 - 4	200.00	0.0030	0.04	0.60
Piano 1	5 - 4	200.00	0.0030	0.04	0.60
Piano 1	8 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 6	200.00	0.0030	0.04	0.60
Piano 1	7 - 10	200.00	0.0030	0.04	0.60
Piano 1	8 - 9	200.00	0.0030	0.04	0.60
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 2	483.00	0.0030	1.45	1.45
Piano 2	1 - 3	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 8	483.00	0.0030	1.45	1.45
Piano 2	1 - 7	483.00	0.0030	1.45	1.45
Piano 2	2 - 3	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 9	483.00	0.0030	1.45	1.45
Piano 2	2 - 10	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	3 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 4	483.00	0.0030	1.45	1.45
Piano 2	5 - 4	483.00	0.0030	1.45	1.45
Piano 2	6 - 5	483.00	0.0030	1.45	1.45
Piano 2	9 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	10 - 5	483.00	0.0030	1.45	1.45
Piano 2	8 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 6	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	7 - 10	483.00	0.0030	1.45	1.45
Piano 2	8 - 9	483.00	0.0030	1.45	1.45
Piano 3	1 - 2	387.00	0.0030	0.16	1.16
Piano 3	1 - 3	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.16	1.16
Piano 3	1 - 8	387.00	0.0030	0.15	1.16
Piano 3	1 - 7	387.00	0.0030	0.14	1.16
Piano 3	2 - 3	387.00	0.0030	0.16	1.16
Piano 3	2 - 9	387.00	0.0030	0.15	1.16
Piano 3	2 - 10	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.16	1.16
Piano 3	3 - 4	387.00	0.0030	0.15	1.16
Piano 3	3 - 4	387.00	0.0030	0.14	1.16
Piano 3	3 - 4	387.00	0.0030	0.13	1.16
Piano 3	3 - 4	387.00	0.0030	0.12	1.16
Piano 3	3 - 4	387.00	0.0030	0.11	1.16



Piano 3	6 - 4	387.00	0.0030	0.11	1.16
Piano 3	5 - 4	387.00	0.0030	0.11	1.16
Piano 3	10 - 5	387.00	0.0030	0.12	1.16
Piano 3	8 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.13	1.16
Piano 3	7 - 6	387.00	0.0030	0.12	1.16
Piano 3	7 - 6	387.00	0.0030	0.11	1.16
Piano 3	7 - 10	387.00	0.0030	0.13	1.16
Piano 3	7 - 10	387.00	0.0030	0.13	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	8 - 9	387.00	0.0030	0.14	1.16
Piano 3	9 - 10	387.00	0.0030	0.13	1.16

#### 4.2.3 Spostamenti degli elementi maschio per SLO.

**Tabella 4.I**

Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 H : altezza dell'elemento  
 $\mu$  : frazione per valore limite SLO  
 $\delta_{SLO}$  : spostamento raggiunto dagli elementi per SLO  
 $\delta_{SLO\ lim}$  : spostamento limite per SLO

**Cond\_X 1(+); E(+); S2(+)** : 1 - Sisma X (+); 0.3 \* Sisma Y (+); **Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.95	0.97
Piano 2	1 - 2	483.00	0.0020	0.96	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.95	0.97
Piano 2	1 - 8	483.00	0.0020	0.95	0.97
Piano 2	1 - 8	483.00	0.0020	0.95	0.97
Piano 2	1 - 7	483.00	0.0020	0.95	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.96	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 10	483.00	0.0020	0.95	0.97
Piano 2	7 - 10	483.00	0.0020	0.96	0.97
Piano 2	8 - 9	483.00	0.0020	0.96	0.97
Piano 3	1 - 2	387.00	0.0020	0.09	0.77
Piano 3	1 - 3	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 7	387.00	0.0020	0.09	0.77
Piano 3	2 - 3	387.00	0.0020	0.09	0.77



Piano 3	2 - 9	387.00	0.0020	0.09	0.77
Piano 3	2 - 10	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.09	0.77
Piano 3	8 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	9 - 10	387.00	0.0020	0.09	0.77

Cond\_X\_1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.09	0.77
Piano 3	1 - 3	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 7	387.00	0.0020	0.09	0.77
Piano 3	2 - 3	387.00	0.0020	0.09	0.77
Piano 3	2 - 9	387.00	0.0020	0.09	0.77
Piano 3	2 - 10	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.09	0.77



Piano 3	8 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	9 - 10	387.00	0.0020	0.09	0.77

Cond\_X\_1(+); E(-); S2(+) : 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.09	0.77
Piano 3	1 - 3	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 7	387.00	0.0020	0.09	0.77
Piano 3	2 - 3	387.00	0.0020	0.09	0.77
Piano 3	2 - 9	387.00	0.0020	0.09	0.77
Piano 3	2 - 10	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.09	0.77
Piano 3	8 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	9 - 10	387.00	0.0020	0.09	0.77



**Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.09	0.77
Piano 3	1 - 3	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 8	387.00	0.0020	0.09	0.77
Piano 3	1 - 7	387.00	0.0020	0.09	0.77
Piano 3	2 - 3	387.00	0.0020	0.09	0.77
Piano 3	2 - 9	387.00	0.0020	0.09	0.77
Piano 3	2 - 10	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.09	0.77
Piano 3	8 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	8 - 9	387.00	0.0020	0.09	0.77
Piano 3	9 - 10	387.00	0.0020	0.09	0.77

**Cond\_X\_1(-); E(+); S2(+): 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40



Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	6 - 4	387.00	0.0020	0.10	0.77
Piano 3	5 - 4	387.00	0.0020	0.10	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40



Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	6 - 4	387.00	0.0020	0.10	0.77
Piano 3	5 - 4	387.00	0.0020	0.10	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.0}$ [cm]	$\delta_{St.0 \lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97



Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	6 - 4	387.00	0.0020	0.10	0.77
Piano 3	5 - 4	387.00	0.0020	0.10	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

**Cond\_X 1(-); E(-); S2(-) : 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0 \lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97



Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	6 - 4	387.00	0.0020	0.10	0.77
Piano 3	5 - 4	387.00	0.0020	0.10	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

Cond\_X 2(+); E(+); S2(+) : 9) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O}$ [cm]	$\delta_{St.O\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97



Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.11	0.77
Piano 3	1 - 8	387.00	0.0020	0.11	0.77
Piano 3	1 - 8	387.00	0.0020	0.11	0.77
Piano 3	1 - 7	387.00	0.0020	0.11	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.12	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77



Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

Cond\_X 2(+); E(-); S2(+) : 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O.lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.12	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77



Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

**Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.12	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

**Cond\_X\_2(-); E(+); S2(+): 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\ lim}$ [cm]
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Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.13	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 7	387.00	0.0020	0.13	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O. [cm]}$	$\delta_{St.O. lim [cm]}$
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40



Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.12	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

Cond X 2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 7	200.00	0.0020	0.03	0.40
Piano 1	2 - 5	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	6 - 4	200.00	0.0020	0.03	0.40
Piano 1	5 - 4	200.00	0.0020	0.03	0.40
Piano 1	8 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 6	200.00	0.0020	0.03	0.40
Piano 1	7 - 10	200.00	0.0020	0.03	0.40
Piano 1	8 - 9	200.00	0.0020	0.03	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97



**Cond\_X\_2(-); E(-); S2(- : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

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Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.12	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.12	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

Cond\_Y\_1(+); E(+); S2(+): 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	6 - 4	200.00	0.0020	0.05	0.40
Piano 1	5 - 4	200.00	0.0020	0.05	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.77	0.97
Piano 2	1 - 3	483.00	0.0020	0.77	0.97
Piano 2	1 - 8	483.00	0.0020	0.78	0.97
Piano 2	1 - 8	483.00	0.0020	0.80	0.97
Piano 2	1 - 8	483.00	0.0020	0.83	0.97
Piano 2	1 - 7	483.00	0.0020	0.86	0.97
Piano 2	2 - 3	483.00	0.0020	0.77	0.97
Piano 2	2 - 9	483.00	0.0020	0.78	0.97
Piano 2	2 - 9	483.00	0.0020	0.82	0.97
Piano 2	2 - 10	483.00	0.0020	0.86	0.97
Piano 2	3 - 4	483.00	0.0020	0.78	0.97
Piano 2	3 - 4	483.00	0.0020	0.81	0.97
Piano 2	3 - 4	483.00	0.0020	0.84	0.97
Piano 2	3 - 4	483.00	0.0020	0.87	0.97
Piano 2	3 - 4	483.00	0.0020	0.89	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	3 - 4	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.90	0.97
Piano 2	10 - 5	483.00	0.0020	0.94	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97



Piano 2	8 - 6	483.00	0.0020	0.90	0.97
Piano 2	7 - 6	483.00	0.0020	0.93	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.90	0.97
Piano 2	7 - 10	483.00	0.0020	0.90	0.97
Piano 2	8 - 9	483.00	0.0020	0.86	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	6 - 4	387.00	0.0020	0.11	0.77
Piano 3	5 - 4	387.00	0.0020	0.11	0.77
Piano 3	10 - 5	387.00	0.0020	0.11	0.77
Piano 3	8 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.11	0.77

Cond\_Y\_1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	6 - 4	200.00	0.0020	0.05	0.40
Piano 1	5 - 4	200.00	0.0020	0.05	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.78	0.97
Piano 2	1 - 2	483.00	0.0020	0.78	0.97
Piano 2	1 - 3	483.00	0.0020	0.78	0.97
Piano 2	1 - 8	483.00	0.0020	0.79	0.97
Piano 2	1 - 8	483.00	0.0020	0.81	0.97
Piano 2	1 - 8	483.00	0.0020	0.84	0.97
Piano 2	1 - 7	483.00	0.0020	0.87	0.97
Piano 2	2 - 3	483.00	0.0020	0.78	0.97
Piano 2	2 - 9	483.00	0.0020	0.79	0.97
Piano 2	2 - 9	483.00	0.0020	0.83	0.97
Piano 2	2 - 10	483.00	0.0020	0.87	0.97
Piano 2	3 - 4	483.00	0.0020	0.79	0.97
Piano 2	3 - 4	483.00	0.0020	0.82	0.97
Piano 2	3 - 4	483.00	0.0020	0.86	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.90	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.91	0.97
Piano 2	10 - 5	483.00	0.0020	0.95	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.91	0.97
Piano 2	7 - 6	483.00	0.0020	0.94	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.91	0.97
Piano 2	7 - 10	483.00	0.0020	0.91	0.97
Piano 2	8 - 9	483.00	0.0020	0.87	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77



Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.11	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	6 - 4	387.00	0.0020	0.11	0.77
Piano 3	5 - 4	387.00	0.0020	0.11	0.77
Piano 3	10 - 5	387.00	0.0020	0.11	0.77
Piano 3	8 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	9 - 10	387.00	0.0020	0.11	0.77

Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{sl.0}$ [cm]	$\delta_{sl.0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.05	0.40
Piano 1	1 - 3	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.95	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.89	0.97
Piano 2	3 - 4	483.00	0.0020	0.87	0.97
Piano 2	6 - 4	483.00	0.0020	0.87	0.97
Piano 2	5 - 4	483.00	0.0020	0.87	0.97
Piano 2	6 - 5	483.00	0.0020	0.87	0.97
Piano 2	9 - 5	483.00	0.0020	0.93	0.97
Piano 2	10 - 5	483.00	0.0020	0.90	0.97
Piano 2	10 - 5	483.00	0.0020	0.88	0.97
Piano 2	8 - 6	483.00	0.0020	0.93	0.97
Piano 2	7 - 6	483.00	0.0020	0.91	0.97
Piano 2	7 - 6	483.00	0.0020	0.89	0.97
Piano 2	7 - 6	483.00	0.0020	0.87	0.97
Piano 2	7 - 10	483.00	0.0020	0.93	0.97
Piano 2	7 - 10	483.00	0.0020	0.93	0.97
Piano 2	8 - 9	483.00	0.0020	0.95	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.11	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77



Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

Cond\_Y 1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.05	0.40
Piano 1	1 - 3	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.96	0.97
Piano 2	1 - 7	483.00	0.0020	0.94	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.94	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.90	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.86	0.97
Piano 2	6 - 4	483.00	0.0020	0.85	0.97
Piano 2	5 - 4	483.00	0.0020	0.85	0.97
Piano 2	6 - 5	483.00	0.0020	0.85	0.97
Piano 2	9 - 5	483.00	0.0020	0.91	0.97
Piano 2	10 - 5	483.00	0.0020	0.89	0.97
Piano 2	10 - 5	483.00	0.0020	0.86	0.97
Piano 2	8 - 6	483.00	0.0020	0.91	0.97
Piano 2	7 - 6	483.00	0.0020	0.89	0.97
Piano 2	7 - 6	483.00	0.0020	0.88	0.97
Piano 2	7 - 6	483.00	0.0020	0.86	0.97
Piano 2	7 - 10	483.00	0.0020	0.91	0.97
Piano 2	7 - 10	483.00	0.0020	0.91	0.97
Piano 2	8 - 9	483.00	0.0020	0.94	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 7	387.00	0.0020	0.11	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77



Piano 3	9 - 10	387.00	0.0020	0.11	0.77
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**Cond\_Y\_1(-); E(+); S2(+)** : 21) - Sisma Y (-); 0.3 \* Sisma X (+); **Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	6 - 4	200.00	0.0020	0.05	0.40
Piano 1	5 - 4	200.00	0.0020	0.05	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.80	0.97
Piano 2	1 - 2	483.00	0.0020	0.80	0.97
Piano 2	1 - 3	483.00	0.0020	0.80	0.97
Piano 2	1 - 8	483.00	0.0020	0.81	0.97
Piano 2	1 - 8	483.00	0.0020	0.83	0.97
Piano 2	1 - 8	483.00	0.0020	0.85	0.97
Piano 2	1 - 7	483.00	0.0020	0.88	0.97
Piano 2	2 - 3	483.00	0.0020	0.80	0.97
Piano 2	2 - 9	483.00	0.0020	0.81	0.97
Piano 2	2 - 9	483.00	0.0020	0.84	0.97
Piano 2	2 - 10	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.81	0.97
Piano 2	3 - 4	483.00	0.0020	0.84	0.97
Piano 2	3 - 4	483.00	0.0020	0.87	0.97
Piano 2	3 - 4	483.00	0.0020	0.89	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.92	0.97
Piano 2	10 - 5	483.00	0.0020	0.96	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.92	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.92	0.97
Piano 2	7 - 10	483.00	0.0020	0.92	0.97
Piano 2	8 - 9	483.00	0.0020	0.88	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	6 - 4	387.00	0.0020	0.10	0.77
Piano 3	5 - 4	387.00	0.0020	0.10	0.77
Piano 3	10 - 5	387.00	0.0020	0.10	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

**Cond\_Y\_1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40



Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	6 - 4	200.00	0.0020	0.05	0.40
Piano 1	5 - 4	200.00	0.0020	0.05	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.71	0.97
Piano 2	1 - 2	483.00	0.0020	0.71	0.97
Piano 2	1 - 3	483.00	0.0020	0.71	0.97
Piano 2	1 - 8	483.00	0.0020	0.72	0.97
Piano 2	1 - 8	483.00	0.0020	0.75	0.97
Piano 2	1 - 8	483.00	0.0020	0.78	0.97
Piano 2	1 - 7	483.00	0.0020	0.82	0.97
Piano 2	2 - 3	483.00	0.0020	0.71	0.97
Piano 2	2 - 9	483.00	0.0020	0.72	0.97
Piano 2	2 - 9	483.00	0.0020	0.77	0.97
Piano 2	2 - 10	483.00	0.0020	0.81	0.97
Piano 2	3 - 4	483.00	0.0020	0.72	0.97
Piano 2	3 - 4	483.00	0.0020	0.76	0.97
Piano 2	3 - 4	483.00	0.0020	0.80	0.97
Piano 2	3 - 4	483.00	0.0020	0.83	0.97
Piano 2	3 - 4	483.00	0.0020	0.85	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.86	0.97
Piano 2	10 - 5	483.00	0.0020	0.91	0.97
Piano 2	10 - 5	483.00	0.0020	0.95	0.97
Piano 2	8 - 6	483.00	0.0020	0.86	0.97
Piano 2	7 - 6	483.00	0.0020	0.90	0.97
Piano 2	7 - 6	483.00	0.0020	0.93	0.97
Piano 2	7 - 6	483.00	0.0020	0.96	0.97
Piano 2	7 - 10	483.00	0.0020	0.86	0.97
Piano 2	7 - 10	483.00	0.0020	0.86	0.97
Piano 2	8 - 9	483.00	0.0020	0.82	0.97
Piano 3	1 - 2	387.00	0.0020	0.10	0.77
Piano 3	1 - 3	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 8	387.00	0.0020	0.10	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.10	0.77
Piano 3	2 - 9	387.00	0.0020	0.10	0.77
Piano 3	2 - 10	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	6 - 4	387.00	0.0020	0.11	0.77
Piano 3	5 - 4	387.00	0.0020	0.11	0.77
Piano 3	10 - 5	387.00	0.0020	0.11	0.77
Piano 3	8 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.11	0.77

Cond\_Y\_1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.05	0.40
Piano 1	1 - 3	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40



Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.96	0.97
Piano 2	1 - 8	483.00	0.0020	0.94	0.97
Piano 2	1 - 7	483.00	0.0020	0.91	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.95	0.97
Piano 2	2 - 10	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	3 - 4	483.00	0.0020	0.89	0.97
Piano 2	3 - 4	483.00	0.0020	0.87	0.97
Piano 2	3 - 4	483.00	0.0020	0.84	0.97
Piano 2	3 - 4	483.00	0.0020	0.82	0.97
Piano 2	6 - 4	483.00	0.0020	0.81	0.97
Piano 2	5 - 4	483.00	0.0020	0.81	0.97
Piano 2	6 - 5	483.00	0.0020	0.81	0.97
Piano 2	9 - 5	483.00	0.0020	0.88	0.97
Piano 2	10 - 5	483.00	0.0020	0.85	0.97
Piano 2	10 - 5	483.00	0.0020	0.82	0.97
Piano 2	8 - 6	483.00	0.0020	0.88	0.97
Piano 2	7 - 6	483.00	0.0020	0.86	0.97
Piano 2	7 - 6	483.00	0.0020	0.84	0.97
Piano 2	7 - 6	483.00	0.0020	0.82	0.97
Piano 2	7 - 10	483.00	0.0020	0.88	0.97
Piano 2	7 - 10	483.00	0.0020	0.88	0.97
Piano 2	8 - 9	483.00	0.0020	0.91	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.11	0.77
Piano 3	1 - 7	387.00	0.0020	0.10	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.08	0.77
Piano 3	3 - 4	387.00	0.0020	0.08	0.77
Piano 3	6 - 4	387.00	0.0020	0.07	0.77
Piano 3	5 - 4	387.00	0.0020	0.07	0.77
Piano 3	10 - 5	387.00	0.0020	0.08	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.08	0.77
Piano 3	7 - 6	387.00	0.0020	0.08	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.10	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLOlim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.05	0.40
Piano 1	1 - 3	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 8	200.00	0.0020	0.05	0.40
Piano 1	1 - 7	200.00	0.0020	0.05	0.40
Piano 1	2 - 5	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.05	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.05	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.05	0.40
Piano 1	8 - 9	200.00	0.0020	0.05	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.97	0.97



Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	6 - 4	483.00	0.0020	0.95	0.97
Piano 2	5 - 4	483.00	0.0020	0.95	0.97
Piano 2	6 - 5	483.00	0.0020	0.95	0.97
Piano 2	9 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.96	0.97
Piano 2	8 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.96	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.97	0.97
Piano 2	8 - 9	483.00	0.0020	0.97	0.97
Piano 3	1 - 2	387.00	0.0020	0.12	0.77
Piano 3	1 - 3	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.12	0.77
Piano 3	1 - 8	387.00	0.0020	0.11	0.77
Piano 3	1 - 7	387.00	0.0020	0.11	0.77
Piano 3	2 - 3	387.00	0.0020	0.12	0.77
Piano 3	2 - 9	387.00	0.0020	0.12	0.77
Piano 3	2 - 10	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	3 - 4	387.00	0.0020	0.09	0.77
Piano 3	6 - 4	387.00	0.0020	0.09	0.77
Piano 3	5 - 4	387.00	0.0020	0.09	0.77
Piano 3	10 - 5	387.00	0.0020	0.09	0.77
Piano 3	8 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 6	387.00	0.0020	0.09	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.10	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	8 - 9	387.00	0.0020	0.11	0.77
Piano 3	9 - 10	387.00	0.0020	0.10	0.77

Cond\_Y\_2(+); E(+); S2(+): 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O. [cm]}$	$\delta_{St.O. lim [cm]}$
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.78	0.97
Piano 2	1 - 2	483.00	0.0020	0.78	0.97
Piano 2	1 - 3	483.00	0.0020	0.78	0.97
Piano 2	1 - 8	483.00	0.0020	0.79	0.97
Piano 2	1 - 8	483.00	0.0020	0.82	0.97
Piano 2	1 - 8	483.00	0.0020	0.85	0.97
Piano 2	1 - 7	483.00	0.0020	0.88	0.97
Piano 2	2 - 3	483.00	0.0020	0.78	0.97
Piano 2	2 - 9	483.00	0.0020	0.79	0.97
Piano 2	2 - 9	483.00	0.0020	0.83	0.97
Piano 2	2 - 10	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.79	0.97
Piano 2	3 - 4	483.00	0.0020	0.83	0.97
Piano 2	3 - 4	483.00	0.0020	0.86	0.97
Piano 2	3 - 4	483.00	0.0020	0.89	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	3 - 4	483.00	0.0020	0.94	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97



Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.92	0.97
Piano 2	10 - 5	483.00	0.0020	0.96	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.92	0.97
Piano 2	7 - 6	483.00	0.0020	0.96	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.92	0.97
Piano 2	7 - 10	483.00	0.0020	0.92	0.97
Piano 2	8 - 9	483.00	0.0020	0.88	0.97
Piano 3	1 - 2	387.00	0.0020	0.13	0.77
Piano 3	1 - 3	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 7	387.00	0.0020	0.13	0.77
Piano 3	2 - 3	387.00	0.0020	0.13	0.77
Piano 3	2 - 9	387.00	0.0020	0.13	0.77
Piano 3	2 - 10	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	6 - 4	387.00	0.0020	0.14	0.77
Piano 3	5 - 4	387.00	0.0020	0.14	0.77
Piano 3	10 - 5	387.00	0.0020	0.14	0.77
Piano 3	8 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 10	387.00	0.0020	0.14	0.77
Piano 3	7 - 10	387.00	0.0020	0.14	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	9 - 10	387.00	0.0020	0.14	0.77

Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.03	0.40
Piano 1	1 - 3	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.03	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.03	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.73	0.97
Piano 2	1 - 2	483.00	0.0020	0.73	0.97
Piano 2	1 - 3	483.00	0.0020	0.73	0.97
Piano 2	1 - 8	483.00	0.0020	0.74	0.97
Piano 2	1 - 8	483.00	0.0020	0.76	0.97
Piano 2	1 - 8	483.00	0.0020	0.79	0.97
Piano 2	1 - 7	483.00	0.0020	0.83	0.97
Piano 2	2 - 3	483.00	0.0020	0.73	0.97
Piano 2	2 - 9	483.00	0.0020	0.74	0.97
Piano 2	2 - 9	483.00	0.0020	0.78	0.97
Piano 2	2 - 10	483.00	0.0020	0.82	0.97
Piano 2	3 - 4	483.00	0.0020	0.74	0.97
Piano 2	3 - 4	483.00	0.0020	0.77	0.97
Piano 2	3 - 4	483.00	0.0020	0.81	0.97
Piano 2	3 - 4	483.00	0.0020	0.84	0.97
Piano 2	3 - 4	483.00	0.0020	0.86	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.87	0.97
Piano 2	10 - 5	483.00	0.0020	0.91	0.97
Piano 2	10 - 5	483.00	0.0020	0.95	0.97
Piano 2	8 - 6	483.00	0.0020	0.87	0.97
Piano 2	7 - 6	483.00	0.0020	0.90	0.97
Piano 2	7 - 6	483.00	0.0020	0.93	0.97
Piano 2	7 - 6	483.00	0.0020	0.96	0.97



Piano 2	7 - 10	483.00	0.0020	0.87	0.97
Piano 2	7 - 10	483.00	0.0020	0.87	0.97
Piano 2	8 - 9	483.00	0.0020	0.83	0.97
Piano 3	1 - 2	387.00	0.0020	0.13	0.77
Piano 3	1 - 3	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 7	387.00	0.0020	0.13	0.77
Piano 3	2 - 3	387.00	0.0020	0.13	0.77
Piano 3	2 - 9	387.00	0.0020	0.13	0.77
Piano 3	2 - 10	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	6 - 4	387.00	0.0020	0.14	0.77
Piano 3	5 - 4	387.00	0.0020	0.14	0.77
Piano 3	10 - 5	387.00	0.0020	0.13	0.77
Piano 3	8 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	9 - 10	387.00	0.0020	0.13	0.77

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SLO}$ [cm]	$\delta_{SLO\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.96	0.97
Piano 2	1 - 8	483.00	0.0020	0.95	0.97
Piano 2	1 - 7	483.00	0.0020	0.92	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.95	0.97
Piano 2	2 - 10	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.90	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.86	0.97
Piano 2	3 - 4	483.00	0.0020	0.84	0.97
Piano 2	6 - 4	483.00	0.0020	0.83	0.97
Piano 2	5 - 4	483.00	0.0020	0.83	0.97
Piano 2	6 - 5	483.00	0.0020	0.83	0.97
Piano 2	9 - 5	483.00	0.0020	0.90	0.97
Piano 2	10 - 5	483.00	0.0020	0.87	0.97
Piano 2	10 - 5	483.00	0.0020	0.84	0.97
Piano 2	8 - 6	483.00	0.0020	0.89	0.97
Piano 2	7 - 6	483.00	0.0020	0.87	0.97
Piano 2	7 - 6	483.00	0.0020	0.85	0.97
Piano 2	7 - 6	483.00	0.0020	0.83	0.97
Piano 2	7 - 10	483.00	0.0020	0.89	0.97
Piano 2	7 - 10	483.00	0.0020	0.89	0.97
Piano 2	8 - 9	483.00	0.0020	0.92	0.97
Piano 3	1 - 2	387.00	0.0020	0.15	0.77
Piano 3	1 - 3	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.14	0.77
Piano 3	1 - 7	387.00	0.0020	0.14	0.77
Piano 3	2 - 3	387.00	0.0020	0.15	0.77
Piano 3	2 - 9	387.00	0.0020	0.15	0.77



Piano 3	2 - 10	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.15	0.77
Piano 3	3 - 4	387.00	0.0020	0.15	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.11	0.77
Piano 3	5 - 4	387.00	0.0020	0.11	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.14	0.77
Piano 3	8 - 9	387.00	0.0020	0.14	0.77
Piano 3	9 - 10	387.00	0.0020	0.13	0.77

Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.96	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.94	0.97
Piano 2	3 - 4	483.00	0.0020	0.92	0.97
Piano 2	3 - 4	483.00	0.0020	0.90	0.97
Piano 2	3 - 4	483.00	0.0020	0.87	0.97
Piano 2	6 - 4	483.00	0.0020	0.87	0.97
Piano 2	5 - 4	483.00	0.0020	0.87	0.97
Piano 2	6 - 5	483.00	0.0020	0.87	0.97
Piano 2	9 - 5	483.00	0.0020	0.93	0.97
Piano 2	10 - 5	483.00	0.0020	0.90	0.97
Piano 2	10 - 5	483.00	0.0020	0.88	0.97
Piano 2	8 - 6	483.00	0.0020	0.93	0.97
Piano 2	7 - 6	483.00	0.0020	0.91	0.97
Piano 2	7 - 6	483.00	0.0020	0.89	0.97
Piano 2	7 - 6	483.00	0.0020	0.87	0.97
Piano 2	7 - 10	483.00	0.0020	0.93	0.97
Piano 2	7 - 10	483.00	0.0020	0.93	0.97
Piano 2	8 - 9	483.00	0.0020	0.96	0.97
Piano 3	1 - 2	387.00	0.0020	0.16	0.77
Piano 3	1 - 3	387.00	0.0020	0.16	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 7	387.00	0.0020	0.14	0.77
Piano 3	2 - 3	387.00	0.0020	0.16	0.77
Piano 3	2 - 9	387.00	0.0020	0.15	0.77
Piano 3	2 - 10	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.16	0.77
Piano 3	3 - 4	387.00	0.0020	0.15	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	6 - 4	387.00	0.0020	0.12	0.77
Piano 3	5 - 4	387.00	0.0020	0.12	0.77
Piano 3	10 - 5	387.00	0.0020	0.13	0.77
Piano 3	8 - 6	387.00	0.0020	0.14	0.77



Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.14	0.77
Piano 3	7 - 10	387.00	0.0020	0.14	0.77
Piano 3	8 - 9	387.00	0.0020	0.14	0.77
Piano 3	8 - 9	387.00	0.0020	0.14	0.77
Piano 3	9 - 10	387.00	0.0020	0.14	0.77

**Cond\_Y\_2(-); E(+); S2(+)** : 29) - Sisma Y (-); 0.3 \* Sisma X (+); **Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.0}$ [cm]	$\delta_{St.0\ lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.80	0.97
Piano 2	1 - 2	483.00	0.0020	0.80	0.97
Piano 2	1 - 3	483.00	0.0020	0.80	0.97
Piano 2	1 - 8	483.00	0.0020	0.81	0.97
Piano 2	1 - 8	483.00	0.0020	0.84	0.97
Piano 2	1 - 8	483.00	0.0020	0.87	0.97
Piano 2	1 - 7	483.00	0.0020	0.90	0.97
Piano 2	2 - 3	483.00	0.0020	0.80	0.97
Piano 2	2 - 9	483.00	0.0020	0.81	0.97
Piano 2	2 - 9	483.00	0.0020	0.85	0.97
Piano 2	2 - 10	483.00	0.0020	0.90	0.97
Piano 2	3 - 4	483.00	0.0020	0.81	0.97
Piano 2	3 - 4	483.00	0.0020	0.85	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.94	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.94	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.94	0.97
Piano 2	7 - 10	483.00	0.0020	0.94	0.97
Piano 2	8 - 9	483.00	0.0020	0.90	0.97
Piano 3	1 - 2	387.00	0.0020	0.13	0.77
Piano 3	1 - 3	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 7	387.00	0.0020	0.13	0.77
Piano 3	2 - 3	387.00	0.0020	0.13	0.77
Piano 3	2 - 9	387.00	0.0020	0.13	0.77
Piano 3	2 - 10	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	6 - 4	387.00	0.0020	0.13	0.77
Piano 3	5 - 4	387.00	0.0020	0.13	0.77
Piano 3	10 - 5	387.00	0.0020	0.13	0.77
Piano 3	8 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	9 - 10	387.00	0.0020	0.13	0.77



**Cond\_Y\_2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.71	0.97
Piano 2	1 - 2	483.00	0.0020	0.71	0.97
Piano 2	1 - 3	483.00	0.0020	0.71	0.97
Piano 2	1 - 8	483.00	0.0020	0.72	0.97
Piano 2	1 - 8	483.00	0.0020	0.76	0.97
Piano 2	1 - 8	483.00	0.0020	0.79	0.97
Piano 2	1 - 7	483.00	0.0020	0.83	0.97
Piano 2	2 - 3	483.00	0.0020	0.71	0.97
Piano 2	2 - 9	483.00	0.0020	0.72	0.97
Piano 2	2 - 9	483.00	0.0020	0.77	0.97
Piano 2	2 - 10	483.00	0.0020	0.82	0.97
Piano 2	3 - 4	483.00	0.0020	0.72	0.97
Piano 2	3 - 4	483.00	0.0020	0.77	0.97
Piano 2	3 - 4	483.00	0.0020	0.81	0.97
Piano 2	3 - 4	483.00	0.0020	0.84	0.97
Piano 2	3 - 4	483.00	0.0020	0.87	0.97
Piano 2	3 - 4	483.00	0.0020	0.90	0.97
Piano 2	3 - 4	483.00	0.0020	0.94	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 4	483.00	0.0020	0.97	0.97
Piano 2	5 - 4	483.00	0.0020	0.97	0.97
Piano 2	6 - 5	483.00	0.0020	0.97	0.97
Piano 2	9 - 5	483.00	0.0020	0.88	0.97
Piano 2	10 - 5	483.00	0.0020	0.93	0.97
Piano 2	10 - 5	483.00	0.0020	0.97	0.97
Piano 2	8 - 6	483.00	0.0020	0.88	0.97
Piano 2	7 - 6	483.00	0.0020	0.92	0.97
Piano 2	7 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.97	0.97
Piano 2	7 - 10	483.00	0.0020	0.88	0.97
Piano 2	7 - 10	483.00	0.0020	0.88	0.97
Piano 2	8 - 9	483.00	0.0020	0.83	0.97
Piano 3	1 - 2	387.00	0.0020	0.13	0.77
Piano 3	1 - 3	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 8	387.00	0.0020	0.13	0.77
Piano 3	1 - 7	387.00	0.0020	0.13	0.77
Piano 3	2 - 3	387.00	0.0020	0.13	0.77
Piano 3	2 - 9	387.00	0.0020	0.13	0.77
Piano 3	2 - 10	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	6 - 4	387.00	0.0020	0.14	0.77
Piano 3	5 - 4	387.00	0.0020	0.14	0.77
Piano 3	10 - 5	387.00	0.0020	0.14	0.77
Piano 3	8 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 6	387.00	0.0020	0.14	0.77
Piano 3	7 - 10	387.00	0.0020	0.14	0.77
Piano 3	7 - 10	387.00	0.0020	0.14	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	9 - 10	387.00	0.0020	0.14	0.77

**Cond\_Y\_2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)**

Imp.	Fili	H [cm]	$\mu$	$\delta_{St.O.}$ [cm]	$\delta_{St.O. lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40



Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40
Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.95	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.94	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	3 - 4	483.00	0.0020	0.88	0.97
Piano 2	3 - 4	483.00	0.0020	0.86	0.97
Piano 2	6 - 4	483.00	0.0020	0.85	0.97
Piano 2	5 - 4	483.00	0.0020	0.85	0.97
Piano 2	6 - 5	483.00	0.0020	0.85	0.97
Piano 2	9 - 5	483.00	0.0020	0.92	0.97
Piano 2	10 - 5	483.00	0.0020	0.89	0.97
Piano 2	10 - 5	483.00	0.0020	0.86	0.97
Piano 2	8 - 6	483.00	0.0020	0.92	0.97
Piano 2	7 - 6	483.00	0.0020	0.90	0.97
Piano 2	7 - 6	483.00	0.0020	0.88	0.97
Piano 2	7 - 6	483.00	0.0020	0.86	0.97
Piano 2	7 - 10	483.00	0.0020	0.92	0.97
Piano 2	7 - 10	483.00	0.0020	0.92	0.97
Piano 2	8 - 9	483.00	0.0020	0.95	0.97
Piano 3	1 - 2	387.00	0.0020	0.16	0.77
Piano 3	1 - 3	387.00	0.0020	0.16	0.77
Piano 3	1 - 8	387.00	0.0020	0.16	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.14	0.77
Piano 3	1 - 7	387.00	0.0020	0.13	0.77
Piano 3	2 - 3	387.00	0.0020	0.16	0.77
Piano 3	2 - 9	387.00	0.0020	0.15	0.77
Piano 3	2 - 10	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.16	0.77
Piano 3	3 - 4	387.00	0.0020	0.15	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	3 - 4	387.00	0.0020	0.10	0.77
Piano 3	6 - 4	387.00	0.0020	0.10	0.77
Piano 3	5 - 4	387.00	0.0020	0.10	0.77
Piano 3	10 - 5	387.00	0.0020	0.11	0.77
Piano 3	8 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 6	387.00	0.0020	0.10	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	7 - 10	387.00	0.0020	0.12	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.13	0.77
Piano 3	9 - 10	387.00	0.0020	0.12	0.77

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)

Imp.	Fili	H [cm]	$\mu$	$\delta_{SL0}$ [cm]	$\delta_{SL0\lim}$ [cm]
Piano 1	1 - 2	200.00	0.0020	0.04	0.40
Piano 1	1 - 3	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 8	200.00	0.0020	0.04	0.40
Piano 1	1 - 7	200.00	0.0020	0.04	0.40
Piano 1	2 - 5	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	3 - 4	200.00	0.0020	0.04	0.40
Piano 1	6 - 4	200.00	0.0020	0.04	0.40
Piano 1	5 - 4	200.00	0.0020	0.04	0.40
Piano 1	8 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 6	200.00	0.0020	0.04	0.40
Piano 1	7 - 10	200.00	0.0020	0.04	0.40



Piano 1	8 - 9	200.00	0.0020	0.04	0.40
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 2	483.00	0.0020	0.97	0.97
Piano 2	1 - 3	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 8	483.00	0.0020	0.97	0.97
Piano 2	1 - 7	483.00	0.0020	0.96	0.97
Piano 2	2 - 3	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 9	483.00	0.0020	0.97	0.97
Piano 2	2 - 10	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.97	0.97
Piano 2	3 - 4	483.00	0.0020	0.96	0.97
Piano 2	3 - 4	483.00	0.0020	0.95	0.97
Piano 2	3 - 4	483.00	0.0020	0.94	0.97
Piano 2	3 - 4	483.00	0.0020	0.93	0.97
Piano 2	3 - 4	483.00	0.0020	0.91	0.97
Piano 2	6 - 4	483.00	0.0020	0.91	0.97
Piano 2	5 - 4	483.00	0.0020	0.91	0.97
Piano 2	6 - 5	483.00	0.0020	0.91	0.97
Piano 2	9 - 5	483.00	0.0020	0.95	0.97
Piano 2	10 - 5	483.00	0.0020	0.93	0.97
Piano 2	10 - 5	483.00	0.0020	0.92	0.97
Piano 2	8 - 6	483.00	0.0020	0.95	0.97
Piano 2	7 - 6	483.00	0.0020	0.93	0.97
Piano 2	7 - 6	483.00	0.0020	0.92	0.97
Piano 2	7 - 6	483.00	0.0020	0.91	0.97
Piano 2	7 - 10	483.00	0.0020	0.95	0.97
Piano 2	7 - 10	483.00	0.0020	0.95	0.97
Piano 2	8 - 9	483.00	0.0020	0.96	0.97
Piano 3	1 - 2	387.00	0.0020	0.15	0.77
Piano 3	1 - 3	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.15	0.77
Piano 3	1 - 8	387.00	0.0020	0.14	0.77
Piano 3	1 - 7	387.00	0.0020	0.14	0.77
Piano 3	2 - 3	387.00	0.0020	0.15	0.77
Piano 3	2 - 9	387.00	0.0020	0.15	0.77
Piano 3	2 - 10	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.15	0.77
Piano 3	3 - 4	387.00	0.0020	0.15	0.77
Piano 3	3 - 4	387.00	0.0020	0.14	0.77
Piano 3	3 - 4	387.00	0.0020	0.13	0.77
Piano 3	3 - 4	387.00	0.0020	0.12	0.77
Piano 3	3 - 4	387.00	0.0020	0.11	0.77
Piano 3	6 - 4	387.00	0.0020	0.11	0.77
Piano 3	5 - 4	387.00	0.0020	0.11	0.77
Piano 3	10 - 5	387.00	0.0020	0.12	0.77
Piano 3	8 - 6	387.00	0.0020	0.13	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.12	0.77
Piano 3	7 - 6	387.00	0.0020	0.11	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	7 - 10	387.00	0.0020	0.13	0.77
Piano 3	8 - 9	387.00	0.0020	0.14	0.77
Piano 3	8 - 9	387.00	0.0020	0.14	0.77
Piano 3	9 - 10	387.00	0.0020	0.13	0.77

#### 4.2.4 Calcolo della curva di capacità della struttura.

**Tabella 5.I**

Num. Prog.	: numero progressivo della parete che si plasticizza
Tipo Elem.	: Tipo di elemento che si plasticizza (parete in muratura, pilastro in c.a.)
Imp.	: numero dell'impalcato
Fili	: numero dei fili fissi iniziale e finale
L	: lunghezza della parete
H	: altezza della parete
t	: spessore della parete
Vu	: resistenza a taglio dell'elemento
Mu	: momento resistente degli elementi in c.a.
k	: rigidezza dell'elemento
$\delta_0$	: spostamento al limite elastico dell'elemento
$\delta_u$	: spostamento ultimo dell'elemento
Tipo Rottura	: rottura degli elementi in muratura (Flessione, Taglio, Deformazione)
$\tau$	: capacità di rotazione degli elementi in c.a.
F	: forza orizzontale totale applicata (taglio alla base)
u	: spostamento del punto di controllo (copertura della struttura)
S	: moltiplicatore di collasso



Coordinate del punto di controllo:

 $x_g = 1119.0 \text{ cm}$  $y_g = 587.9 \text{ cm}$  $z_g = 1070.0 \text{ cm}$ 

Cond\_X\_1(+); E(+); S2(+) : 1 - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
 Eccentricità accidentale (+ 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11980	-	37568	0.3189	2.41 = 0.0050*H	Taglio	-	110692.95	0.3991	27.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10998	-	32945	0.3338	2.41 = 0.0050*H	Taglio	-	114792.69	0.4157	28.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10286	-	26397	0.3897	2.41 = 0.0050*H	Taglio	-	129141.78	0.4820	31.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5675	-	12347	0.4596	4.83 = 0.0100*H	Flessione	-	145540.73	0.5674	35.50
5	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	8717	-	18342	0.4752	4.83 = 0.0100*H	Flessione	-	151690.34	0.6015	37.00
6	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8088	-	16275	0.4969	4.83 = 0.0100*H	Flessione	-	155790.08	0.6268	38.00
7	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7082	-	13271	0.5336	4.83 = 0.0100*H	Flessione	-	157839.95	0.6408	38.50
8	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5965	-	11046	0.5400	4.83 = 0.0100*H	Flessione	-	159889.82	0.6563	39.00
9	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3885	-	7217	0.5384	4.83 = 0.0100*H	Flessione	-	159889.82	0.6563	39.00
10	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2442	-	4474	0.5459	4.83 = 0.0100*H	Flessione	-	161939.69	0.6745	39.50
11	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7520	-	13532	0.5557	4.83 = 0.0100*H	Flessione	-	161939.69	0.6745	39.50
12	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6666	-	11283	0.5908	4.83 = 0.0100*H	Flessione	-	166039.43	0.7188	40.50
13	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2096	-	3176	0.6599	4.83 = 0.0100*H	Flessione	-	172189.04	0.7961	42.00
14	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2784	-	4180	0.6661	4.83 = 0.0100*H	Flessione	-	172189.04	0.7961	42.00
15	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	474	-	694	0.6823	4.83 = 0.0100*H	Flessione	-	174238.91	0.8249	42.50
16	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	4235	-	6002	0.7057	4.83 = 0.0100*H	Flessione	-	174238.91	0.8249	42.50
17	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4308	-	6160	0.6994	4.83 = 0.0100*H	Flessione	-	176288.78	0.8573	43.00
18	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1498	-	2070	0.7236	4.83 = 0.0100*H	Flessione	-	176288.78	0.8573	43.00
19	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	788	-	1065	0.7392	4.83 = 0.0100*H	Flessione	-	178338.65	0.8957	43.50
20	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3026	-	4180	0.7240	4.83 = 0.0100*H	Flessione	-	178338.65	0.8957	43.50



21	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2101	-	2530	0.8303	4.83 = 0.0100*H	Flessione	-	182438.38	0.9826	44.50
22	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	2009	-	2335	0.8605	4.83 = 0.0100*H	Flessione	-	182438.38	0.9826	44.50
23	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7378	-	8849	0.8337	4.83 = 0.0100*H	Flessione	-	182438.38	0.9826	44.50
24	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	438	-	526	0.8330	4.83 = 0.0100*H	Flessione	-	182438.38	0.9826	44.50
25	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7539	-	9109	0.8276	4.83 = 0.0100*H	Flessione	-	182438.38	0.9826	44.50
26	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	925	-	988	0.9359	4.83 = 0.0100*H	Flessione	-	184488.25	1.0948	45.00
27	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1797	-	2087	0.8611	4.83 = 0.0100*H	Flessione	-	184488.25	1.0948	45.00
28	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1146	-	1308	0.8756	4.83 = 0.0100*H	Flessione	-	184488.25	1.0948	45.00
29	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6073	-	7072	0.8586	4.83 = 0.0100*H	Flessione	-	184488.25	1.0948	45.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	947	-	988	0.9584	4.83 = 0.0100*H	Flessione	-	186538.12	1.6309	45.50
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1042	-	988	1.0545	4.83 = 0.0100*H	Flessione	-	186538.12	1.6309	45.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1065	-	988	1.0772	4.83 = 0.0100*H	Flessione	-	186538.12	1.6309	45.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10998	-	32945	0.3338	2.41 = 0.0050*H	Taglio	-	186538.12	2.5068	45.50
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11980	-	37568	0.3189	2.41 = 0.0050*H	Taglio	-	186538.12	2.5068	45.50
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10286	-	26397	0.3897	2.41 = 0.0050*H	Taglio	-	186538.12	2.5068	45.50

Cond\_X\_1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11843	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	110692.95	0.4001	27.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10869	-	32945	0.3299	2.41 = 0.0050*H	Taglio	-	114792.69	0.4168	28.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10148	-	26397	0.3844	2.41 = 0.0050*H	Taglio	-	129141.78	0.4831	31.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5546	-	12347	0.4492	4.83 = 0.0100*H	Flessione	-	143490.86	0.5579	35.00
5	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5425	-	11046	0.4912	4.83 = 0.0100*H	Flessione	-	151690.34	0.6035	37.00
6	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6453	-	13271	0.4863	4.83 = 0.0100*H	Flessione	-	151690.34	0.6035	37.00
7	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6861	-	13532	0.5070	4.83 = 0.0100*H	Flessione	-	153740.21	0.6166	37.50



8	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9579	-	18342	0.522 2	4.83 = 0.010 0*H	Flessi one	-	15783 9.95	0.645 5	38.50
9	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2381	-	4474	0.532 1	4.83 = 0.010 0*H	Flessi one	-	15783 9.95	0.645 5	38.50
10	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3790	-	7217	0.525 2	4.83 = 0.010 0*H	Flessi one	-	15783 9.95	0.645 5	38.50
11	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6078	-	11283	0.538 7	4.83 = 0.010 0*H	Flessi one	-	15988 9.82	0.664 1	39.00
12	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8873	-	16275	0.545 2	4.83 = 0.010 0*H	Flessi one	-	15988 9.82	0.664 1	39.00
13	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2504	-	4180	0.599 0	4.83 = 0.010 0*H	Flessi one	-	16398 9.56	0.715 6	40.00
14	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3853	-	6002	0.641 9	4.83 = 0.010 0*H	Flessi one	-	16808 9.30	0.770 4	41.00
15	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	716	-	1065	0.671 8	4.83 = 0.010 0*H	Flessi one	-	17013 9.17	0.800 6	41.50
16	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1443	-	2070	0.697 2	4.83 = 0.010 0*H	Flessi one	-	17218 9.04	0.831 5	42.00
17	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4526	-	6160	0.734 8	4.83 = 0.010 0*H	Flessi one	-	17423 8.91	0.863 5	42.50
18	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	529	-	694	0.762 9	4.83 = 0.010 0*H	Flessi one	-	17628 8.78	0.899 7	43.00
19	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2366	-	3176	0.744 9	4.83 = 0.010 0*H	Flessi one	-	17628 8.78	0.899 7	43.00
20	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1886	-	2530	0.745 5	4.83 = 0.010 0*H	Flessi one	-	17628 8.78	0.899 7	43.00
21	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1807	-	2335	0.773 8	4.83 = 0.010 0*H	Flessi one	-	17628 8.78	0.899 7	43.00
22	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1053	-	1308	0.805 2	4.83 = 0.010 0*H	Flessi one	-	17833 8.65	0.944 0	43.50
23	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3322	-	4180	0.794 8	4.83 = 0.010 0*H	Flessi one	-	17833 8.65	0.944 0	43.50
24	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1732	-	2087	0.829 7	4.83 = 0.010 0*H	Flessi one	-	18038 8.51	0.995 7	44.00
25	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7840	-	9109	0.860 7	4.83 = 0.010 0*H	Flessi one	-	18038 8.51	0.995 7	44.00
26	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7718	-	8849	0.872 1	4.83 = 0.010 0*H	Flessi one	-	18243 8.38	1.075 0	44.50
27	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	482	-	526	0.916 6	4.83 = 0.010 0*H	Flessi one	-	18243 8.38	1.075 0	44.50
28	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6208	-	7072	0.877 7	4.83 = 0.010 0*H	Flessi one	-	18243 8.38	1.075 0	44.50
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1051	-	988	1.063 7	4.83 = 0.010 0*H	Flessi one	-	18448 8.25	1.477 4	45.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1073	-	988	1.085 3	4.83 = 0.010 0*H	Flessi one	-	18448 8.25	1.477 4	45.00
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1157	-	988	1.171 1	4.83 = 0.010 0*H	Flessi one	-	18448 8.25	1.477 4	45.00
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1177	-	988	1.191 3	4.83 = 0.010 0*H	Flessi one	-	18448 8.25	1.477 4	45.00



33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10869	-	32945	0.3299	2.41 = 0.0050*H	Taglio	-	184488.25	2.5081	45.00
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11843	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	184488.25	2.5081	45.00
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10148	-	26397	0.3844	2.41 = 0.0050*H	Taglio	-	184488.25	2.5081	45.00

Cond\_X\_1(+); E(-); S2(+) : 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11980	-	37568	0.3189	2.41 = 0.0050*H	Taglio	-	110692.95	0.3996	27.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10998	-	32945	0.3338	2.41 = 0.0050*H	Taglio	-	114792.69	0.4163	28.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10286	-	26397	0.3897	2.41 = 0.0050*H	Taglio	-	129141.78	0.4826	31.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5675	-	12347	0.4596	4.83 = 0.0100*H	Flessione	-	145540.73	0.5680	35.50
5	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	8725	-	18342	0.4757	4.83 = 0.0100*H	Flessione	-	149640.47	0.5908	36.50
6	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8091	-	16275	0.4972	4.83 = 0.0100*H	Flessione	-	153740.21	0.6161	37.50
7	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7082	-	13271	0.5336	4.83 = 0.0100*H	Flessione	-	157839.95	0.6442	38.50
8	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5965	-	11046	0.5400	4.83 = 0.0100*H	Flessione	-	159889.82	0.6598	39.00
9	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3885	-	7217	0.5384	4.83 = 0.0100*H	Flessione	-	159889.82	0.6598	39.00
10	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2442	-	4474	0.5459	4.83 = 0.0100*H	Flessione	-	161939.69	0.6780	39.50
11	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7520	-	13532	0.5557	4.83 = 0.0100*H	Flessione	-	161939.69	0.6780	39.50
12	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6666	-	11283	0.5908	4.83 = 0.0100*H	Flessione	-	166039.43	0.7223	40.50
13	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2096	-	3176	0.6599	4.83 = 0.0100*H	Flessione	-	172189.04	0.7995	42.00
14	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2784	-	4180	0.6661	4.83 = 0.0100*H	Flessione	-	172189.04	0.7995	42.00
15	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	474	-	694	0.6823	4.83 = 0.0100*H	Flessione	-	174238.91	0.8284	42.50
16	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4316	-	6160	0.7007	4.83 = 0.0100*H	Flessione	-	174238.91	0.8284	42.50
17	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	4235	-	6002	0.7057	4.83 = 0.0100*H	Flessione	-	174238.91	0.8284	42.50
18	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1498	-	2070	0.7236	4.83 = 0.0100*H	Flessione	-	176288.78	0.8650	43.00
19	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	788	-	1065	0.7398	4.83 = 0.0100*H	Flessione	-	176288.78	0.8650	43.00



20	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3025	-	4180	0.7236	4.83 = 0.0100*H	Flessione	-	176288.78	0.8650	43.00
21	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2101	-	2530	0.8303	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
22	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	2009	-	2335	0.8605	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
23	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1795	-	2087	0.8601	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
24	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7378	-	8849	0.8337	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
25	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	438	-	526	0.8330	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
26	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6072	-	7072	0.8586	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
27	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7539	-	9109	0.8276	4.83 = 0.0100*H	Flessione	-	182438.38	0.9954	44.50
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	925	-	988	0.9359	4.83 = 0.0100*H	Flessione	-	184488.25	1.3022	45.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	949	-	988	0.9598	4.83 = 0.0100*H	Flessione	-	184488.25	1.3022	45.00
30	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	0	-	1308	0.0000	2.41 = 0.0050*H	Taglio	-	184488.25	1.3022	45.00
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1042	-	988	1.0546	4.83 = 0.0100*H	Flessione	-	184488.25	1.3022	45.00
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1064	-	988	1.0770	4.83 = 0.0100*H	Flessione	-	184488.25	1.3022	45.00
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10998	-	32945	0.3338	2.41 = 0.0050*H	Taglio	-	184488.25	2.5062	45.00
34	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	0	-	1308	0.0000	2.41 = 0.0050*H	Taglio	-	184488.25	2.5062	45.00
35	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11980	-	37568	0.3189	2.41 = 0.0050*H	Taglio	-	184488.25	2.5062	45.00
36	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10286	-	26397	0.3897	2.41 = 0.0050*H	Taglio	-	184488.25	2.5062	45.00

Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11843	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	110692.95	0.4006	27.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10869	-	32945	0.3299	2.41 = 0.0050*H	Taglio	-	114792.69	0.4173	28.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10148	-	26397	0.3844	2.41 = 0.0050*H	Taglio	-	129141.78	0.4837	31.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5546	-	12347	0.4492	4.83 = 0.0100*H	Flessione	-	143490.86	0.5586	35.00
5	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5425	-	11046	0.4912	4.83 = 0.0100*H	Flessione	-	151690.34	0.6041	37.00



6	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6453	-	13271	0.4863	4.83 = 0.0100*H	Flessione	-	151690.34	0.6041	37.00
7	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6859	-	13532	0.5069	4.83 = 0.0100*H	Flessione	-	155790.08	0.6305	38.00
8	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9579	-	18342	0.5222	4.83 = 0.0100*H	Flessione	-	157839.95	0.6449	38.50
9	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3790	-	7217	0.5252	4.83 = 0.0100*H	Flessione	-	157839.95	0.6449	38.50
10	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2377	-	4474	0.5314	4.83 = 0.0100*H	Flessione	-	159889.82	0.6627	39.00
11	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6078	-	11283	0.5387	4.83 = 0.0100*H	Flessione	-	159889.82	0.6627	39.00
12	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8873	-	16275	0.5452	4.83 = 0.0100*H	Flessione	-	159889.82	0.6627	39.00
13	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2498	-	4180	0.5977	4.83 = 0.0100*H	Flessione	-	166039.43	0.7399	40.50
14	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3853	-	6002	0.6419	4.83 = 0.0100*H	Flessione	-	168089.30	0.7673	41.00
15	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	716	-	1065	0.6718	4.83 = 0.0100*H	Flessione	-	170139.17	0.7976	41.50
16	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1443	-	2070	0.6972	4.83 = 0.0100*H	Flessione	-	172189.04	0.8284	42.00
17	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	529	-	694	0.7629	4.83 = 0.0100*H	Flessione	-	176288.78	0.8924	43.00
18	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4521	-	6160	0.7340	4.83 = 0.0100*H	Flessione	-	176288.78	0.8924	43.00
19	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2366	-	3176	0.7449	4.83 = 0.0100*H	Flessione	-	176288.78	0.8924	43.00
20	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1886	-	2530	0.7455	4.83 = 0.0100*H	Flessione	-	176288.78	0.8924	43.00
21	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1806	-	2335	0.7734	4.83 = 0.0100*H	Flessione	-	178338.65	0.9342	43.50
22	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1053	-	1308	0.8052	4.83 = 0.0100*H	Flessione	-	178338.65	0.9342	43.50
23	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3322	-	4180	0.7948	4.83 = 0.0100*H	Flessione	-	178338.65	0.9342	43.50
24	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1732	-	2087	0.8297	4.83 = 0.0100*H	Flessione	-	180388.51	0.9859	44.00
25	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7718	-	8849	0.8721	4.83 = 0.0100*H	Flessione	-	182438.38	1.0411	44.50
26	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6208	-	7072	0.8777	4.83 = 0.0100*H	Flessione	-	182438.38	1.0411	44.50
27	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7839	-	9109	0.8606	4.83 = 0.0100*H	Flessione	-	182438.38	1.0411	44.50
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1051	-	988	1.0637	4.83 = 0.0100*H	Flessione	-	184488.25	1.3968	45.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1073	-	988	1.0853	4.83 = 0.0100*H	Flessione	-	184488.25	1.3968	45.00
30	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1157	-	988	1.1711	4.83 = 0.0100*H	Flessione	-	184488.25	1.3968	45.00



31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1177	-	988	1.1913	4.83 = 0.0100*H	Flessione	-	184488.25	1.3968	45.00
32	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	0	-	526	0.0000	2.41 = 0.0050*H	Taglio	-	184488.25	1.3968	45.00
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10869	-	32945	0.3299	2.41 = 0.0050*H	Taglio	-	184488.25	2.5084	45.00
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11843	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	184488.25	2.5084	45.00
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10148	-	26397	0.3844	2.41 = 0.0050*H	Taglio	-	184488.25	2.5084	45.00
36	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	0	-	526	0.0000	2.41 = 0.0050*H	Taglio	-	184488.25	2.5084	45.00

Cond\_X\_1(-); E(+); S2(+) : 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11854	-	37568	0.3156	2.41 = 0.0050*H	Taglio	-	-110692.95	0.4040	27.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11538	-	32945	0.3502	2.41 = 0.0050*H	Taglio	-	-120942.30	0.4461	29.50
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9562	-	26397	0.3622	2.41 = 0.0050*H	Taglio	-	-125042.04	0.4652	30.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5880	-	12347	0.4763	4.83 = 0.0100*H	Flessione	-	-149640.47	0.5943	36.50
5	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	7894	-	16275	0.4851	4.83 = 0.0100*H	Flessione	-	-151690.34	0.6057	37.00
6	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9100	-	18342	0.4961	4.83 = 0.0100*H	Flessione	-	-153740.21	0.6183	37.50
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3578	-	7217	0.4957	4.83 = 0.0100*H	Flessione	-	-153740.21	0.6183	37.50
8	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7111	-	13532	0.5255	4.83 = 0.0100*H	Flessione	-	-157839.95	0.6482	38.50
9	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5909	-	11283	0.5238	4.83 = 0.0100*H	Flessione	-	-157839.95	0.6482	38.50
10	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7530	-	13271	0.5674	4.83 = 0.0100*H	Flessione	-	-163989.56	0.7034	40.00
11	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3504	-	6002	0.5839	4.83 = 0.0100*H	Flessione	-	-166039.43	0.7245	40.50
12	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2470	-	4180	0.5910	4.83 = 0.0100*H	Flessione	-	-166039.43	0.7245	40.50
13	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6740	-	11046	0.6102	4.83 = 0.0100*H	Flessione	-	-168089.30	0.7485	41.00
14	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2855	-	4474	0.6382	4.83 = 0.0100*H	Flessione	-	-170139.17	0.7766	41.50
15	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	5923	-	8849	0.6693	4.83 = 0.0100*H	Flessione	-	-172189.04	0.8069	42.00
16	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1449	-	2087	0.6941	4.83 = 0.0100*H	Flessione	-	-174238.91	0.8427	42.50



17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	927	-	1308	0.7083	4.83 = 0.0100*H	Flessione	-	- 174238.91	0.8427	42.50
18	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3363	-	4180	0.8045	4.83 = 0.0100*H	Flessione	-	- 180388.51	0.9585	44.00
19	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	425	-	526	0.8090	4.83 = 0.0100*H	Flessione	-	- 180388.51	0.9585	44.00
20	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	595	-	694	0.8575	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0016	44.50
21	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2609	-	3176	0.8215	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0016	44.50
22	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2148	-	2530	0.8489	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0016	44.50
23	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1978	-	2335	0.8471	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0016	44.50
24	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	5883	-	7072	0.8318	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0016	44.50
25	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5377	-	6160	0.8730	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.0741	45.00
26	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1847	-	2070	0.8923	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.0741	45.00
27	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	964	-	1065	0.9051	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.0741	45.00
28	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	906	-	988	0.9167	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.0741	45.00
29	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7879	-	9109	0.8650	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.0741	45.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1106	-	988	1.1187	4.83 = 0.0100*H	Flessione	-	- 186538.12	1.6102	45.50
31	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1074	-	988	1.0869	4.83 = 0.0100*H	Flessione	-	- 186538.12	1.6102	45.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	939	-	988	0.9500	4.83 = 0.0100*H	Flessione	-	- 186538.12	1.6102	45.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11538	-	32945	0.3502	2.41 = 0.0050*H	Taglio	-	- 186538.12	2.5136	45.50
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11854	-	37568	0.3156	2.41 = 0.0050*H	Taglio	-	- 186538.12	2.5136	45.50
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9562	-	26397	0.3622	2.41 = 0.0050*H	Taglio	-	- 186538.12	2.5136	45.50

Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11718	-	37568	0.3119	2.41 = 0.0050*H	Taglio	-	- 108643.08	0.3947	26.50
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11405	-	32945	0.3462	2.41 = 0.0050*H	Taglio	-	- 118892.43	0.4366	29.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9426	-	26397	0.3571	2.41 = 0.0050*H	Taglio	-	- 122992.17	0.4557	30.00



4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5751	-	12347	0.4658	4.83 = 0.0100*H	Flessione	-	- 145540.73	0.5737	35.50
5	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6473	-	13532	0.4784	4.83 = 0.0100*H	Flessione	-	- 147590.60	0.5851	36.00
6	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5352	-	11283	0.4744	4.83 = 0.0100*H	Flessione	-	- 147590.60	0.5851	36.00
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3482	-	7217	0.4825	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.5984	36.50
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6888	-	13271	0.5190	4.83 = 0.0100*H	Flessione	-	- 155790.08	0.6402	38.00
9	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3136	-	6002	0.5224	4.83 = 0.0100*H	Flessione	-	- 155790.08	0.6402	38.00
10	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9962	-	18342	0.5431	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.6725	39.00
11	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6181	-	11046	0.5596	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.6725	39.00
12	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8675	-	16275	0.5330	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.6725	39.00
13	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2795	-	4474	0.6246	4.83 = 0.0100*H	Flessione	-	- 166039.43	0.7517	40.50
14	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	833	-	1308	0.6363	4.83 = 0.0100*H	Flessione	-	- 168089.30	0.7799	41.00
15	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1384	-	2087	0.6632	4.83 = 0.0100*H	Flessione	-	- 170139.17	0.8088	41.50
16	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2779	-	4180	0.6648	4.83 = 0.0100*H	Flessione	-	- 170139.17	0.8088	41.50
17	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3080	-	4180	0.7369	4.83 = 0.0100*H	Flessione	-	- 174238.91	0.8732	42.50
18	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	6293	-	8849	0.7112	4.83 = 0.0100*H	Flessione	-	- 174238.91	0.8732	42.50
19	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1935	-	2530	0.7646	4.83 = 0.0100*H	Flessione	-	- 176288.78	0.9158	43.00
20	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1774	-	2335	0.7599	4.83 = 0.0100*H	Flessione	-	- 176288.78	0.9158	43.00
21	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	895	-	1065	0.8398	4.83 = 0.0100*H	Flessione	-	- 178338.65	0.9643	43.50
22	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1792	-	2070	0.8655	4.83 = 0.0100*H	Flessione	-	- 180388.51	1.0144	44.00
23	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6022	-	7072	0.8515	4.83 = 0.0100*H	Flessione	-	- 180388.51	1.0144	44.00
24	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	644	-	694	0.9282	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0833	44.50
25	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5557	-	6160	0.9021	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0833	44.50
26	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2859	-	3176	0.9002	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0833	44.50
27	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	470	-	526	0.8938	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0833	44.50
28	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	8169	-	9109	0.8968	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0833	44.50



29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1219	-	988	1.2330	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4859	45.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1189	-	988	1.2034	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4859	45.00
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1062	-	988	1.0750	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4859	45.00
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1030	-	988	1.0420	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4859	45.00
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11405	-	32945	0.3462	2.41 = 0.0050*H	Taglio	-	- 184488.25	2.5121	45.00
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11718	-	37568	0.3119	2.41 = 0.0050*H	Taglio	-	- 184488.25	2.5121	45.00
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9426	-	26397	0.3571	2.41 = 0.0050*H	Taglio	-	- 184488.25	2.5121	45.00

Cond\_X 1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11854	-	37568	0.3156	2.41 = 0.0050*H	Taglio	-	- 110692.95	0.4046	27.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11538	-	32945	0.3502	2.41 = 0.0050*H	Taglio	-	- 120942.30	0.4467	29.50
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9562	-	26397	0.3622	2.41 = 0.0050*H	Taglio	-	- 125042.04	0.4658	30.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5880	-	12347	0.4763	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.5950	36.50
5	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	7894	-	16275	0.4851	4.83 = 0.0100*H	Flessione	-	- 151690.34	0.6065	37.00
6	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9100	-	18342	0.4961	4.83 = 0.0100*H	Flessione	-	- 153740.21	0.6191	37.50
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3578	-	7217	0.4957	4.83 = 0.0100*H	Flessione	-	- 153740.21	0.6191	37.50
8	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7111	-	13532	0.5255	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.6490	38.50
9	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5909	-	11283	0.5238	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.6490	38.50
10	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7530	-	13271	0.5674	4.83 = 0.0100*H	Flessione	-	- 163989.56	0.7042	40.00
11	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3504	-	6002	0.5839	4.83 = 0.0100*H	Flessione	-	- 166039.43	0.7254	40.50
12	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2470	-	4180	0.5910	4.83 = 0.0100*H	Flessione	-	- 166039.43	0.7254	40.50
13	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6740	-	11046	0.6102	4.83 = 0.0100*H	Flessione	-	- 168089.30	0.7493	41.00
14	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2855	-	4474	0.6382	4.83 = 0.0100*H	Flessione	-	- 170139.17	0.7775	41.50
15	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	5923	-	8849	0.6693	4.83 = 0.0100*H	Flessione	-	- 172189.04	0.8078	42.00



16	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1449	-	2087	0.694 1	4.83 = 0.010 0*H	Flessi one	-	- 17423 8.91	0.843 6	42.50
17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	927	-	1308	0.708 3	4.83 = 0.010 0*H	Flessi one	-	- 17423 8.91	0.843 6	42.50
18	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2608	-	3176	0.821 1	4.83 = 0.010 0*H	Flessi one	-	- 18038 8.51	0.959 3	44.00
19	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3363	-	4180	0.804 5	4.83 = 0.010 0*H	Flessi one	-	- 18038 8.51	0.959 3	44.00
20	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	425	-	526	0.809 0	4.83 = 0.010 0*H	Flessi one	-	- 18038 8.51	0.959 3	44.00
21	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	595	-	694	0.857 5	4.83 = 0.010 0*H	Flessi one	-	- 18243 8.38	1.006 2	44.50
22	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2148	-	2530	0.848 9	4.83 = 0.010 0*H	Flessi one	-	- 18243 8.38	1.006 2	44.50
23	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1978	-	2335	0.847 1	4.83 = 0.010 0*H	Flessi one	-	- 18243 8.38	1.006 2	44.50
24	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	5883	-	7072	0.831 8	4.83 = 0.010 0*H	Flessi one	-	- 18243 8.38	1.006 2	44.50
25	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7879	-	9109	0.865 0	4.83 = 0.010 0*H	Flessi one	-	- 18243 8.38	1.006 2	44.50
26	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5377	-	6160	0.873 0	4.83 = 0.010 0*H	Flessi one	-	- 18448 8.25	1.128 7	45.00
27	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1847	-	2070	0.892 3	4.83 = 0.010 0*H	Flessi one	-	- 18448 8.25	1.128 7	45.00
28	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	964	-	1065	0.905 1	4.83 = 0.010 0*H	Flessi one	-	- 18448 8.25	1.128 7	45.00
29	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	940	-	988	0.951 3	4.83 = 0.010 0*H	Flessi one	-	- 18448 8.25	1.128 7	45.00
30	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	906	-	988	0.916 7	4.83 = 0.010 0*H	Flessi one	-	- 18448 8.25	1.128 7	45.00
31	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1106	-	988	1.118 7	4.83 = 0.010 0*H	Flessi one	-	- 18653 8.12	1.932 1	45.50
32	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1074	-	988	1.086 9	4.83 = 0.010 0*H	Flessi one	-	- 18653 8.12	1.932 1	45.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11538	-	32945	0.350 2	2.41 = 0.005 0*H	Taglio	-	- 18653 8.12	2.513 7	45.50
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11854	-	37568	0.315 6	2.41 = 0.005 0*H	Taglio	-	- 18653 8.12	2.513 7	45.50
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9562	-	26397	0.362 2	2.41 = 0.005 0*H	Taglio	-	- 18653 8.12	2.513 7	45.50

Cond\_X\_1(-); E(-); S2(-) : 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11718	-	37568	0.311 9	2.41 = 0.005 0*H	Taglio	-	- 10864 3.08	0.395 1	26.50
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11405	-	32945	0.346 2	2.41 = 0.005 0*H	Taglio	-	- 11889 2.43	0.437 1	29.00



3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9426	-	26397	0.3571	2.41 = 0.0050*H	Taglio	-	- 122992.17	0.4562	30.00
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5751	-	12347	0.4658	4.83 = 0.0100*H	Flessione	-	- 145540.73	0.5743	35.50
5	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6473	-	13532	0.4784	4.83 = 0.0100*H	Flessione	-	- 147590.60	0.5857	36.00
6	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5352	-	11283	0.4744	4.83 = 0.0100*H	Flessione	-	- 147590.60	0.5857	36.00
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3482	-	7217	0.4825	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.5990	36.50
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6888	-	13271	0.5190	4.83 = 0.0100*H	Flessione	-	- 155790.08	0.6408	38.00
9	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3136	-	6002	0.5224	4.83 = 0.0100*H	Flessione	-	- 155790.08	0.6408	38.00
10	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9962	-	18342	0.5431	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.6731	39.00
11	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6181	-	11046	0.5596	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.6731	39.00
12	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8675	-	16275	0.5330	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.6731	39.00
13	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2795	-	4474	0.6246	4.83 = 0.0100*H	Flessione	-	- 166039.43	0.7522	40.50
14	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	833	-	1308	0.6363	4.83 = 0.0100*H	Flessione	-	- 168089.30	0.7805	41.00
15	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1384	-	2087	0.6632	4.83 = 0.0100*H	Flessione	-	- 170139.17	0.8094	41.50
16	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2779	-	4180	0.6648	4.83 = 0.0100*H	Flessione	-	- 170139.17	0.8094	41.50
17	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3080	-	4180	0.7369	4.83 = 0.0100*H	Flessione	-	- 174238.91	0.8738	42.50
18	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	6293	-	8849	0.7112	4.83 = 0.0100*H	Flessione	-	- 174238.91	0.8738	42.50
19	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1935	-	2530	0.7646	4.83 = 0.0100*H	Flessione	-	- 176288.78	0.9164	43.00
20	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1774	-	2335	0.7599	4.83 = 0.0100*H	Flessione	-	- 176288.78	0.9164	43.00
21	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	895	-	1065	0.8398	4.83 = 0.0100*H	Flessione	-	- 178338.65	0.9649	43.50
22	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1792	-	2070	0.8655	4.83 = 0.0100*H	Flessione	-	- 180388.51	1.0150	44.00
23	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6022	-	7072	0.8515	4.83 = 0.0100*H	Flessione	-	- 180388.51	1.0150	44.00
24	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	644	-	694	0.9282	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0839	44.50
25	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5557	-	6160	0.9021	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0839	44.50
26	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2859	-	3176	0.9002	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0839	44.50
27	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	470	-	526	0.8938	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0839	44.50



28	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	8169	-	9109	0.8968	4.83 = 0.0100*H	Flessione	-	- 182438.38	1.0839	44.50
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1219	-	988	1.2330	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4865	45.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1189	-	988	1.2034	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4865	45.00
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1062	-	988	1.0750	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4865	45.00
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1030	-	988	1.0420	4.83 = 0.0100*H	Flessione	-	- 184488.25	1.4865	45.00
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11405	-	32945	0.3462	2.41 = 0.0050*H	Taglio	-	- 184488.25	2.5122	45.00
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11718	-	37568	0.3119	2.41 = 0.0050*H	Taglio	-	- 184488.25	2.5122	45.00
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9426	-	26397	0.3571	2.41 = 0.0050*H	Taglio	-	- 184488.25	2.5122	45.00

**Cond\_X\_2(+); E(+); S2(+)** : 9) - Sisma X (+); 0.3 \* Sisma Y (+); **Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)**

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11996	-	37568	0.3193	2.41 = 0.0050*H	Taglio	-	92244.13	0.4145	22.50
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10972	-	32945	0.3330	2.41 = 0.0050*H	Taglio	-	96343.87	0.4352	23.50
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10341	-	26397	0.3917	2.41 = 0.0050*H	Taglio	-	108643.08	0.5055	26.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5670	-	12347	0.4592	4.83 = 0.0100*H	Flessione	-	120942.30	0.5847	29.50
5	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	8648	-	18342	0.4715	4.83 = 0.0100*H	Flessione	-	125042.04	0.6128	30.50
6	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8054	-	16275	0.4949	4.83 = 0.0100*H	Flessione	-	129141.78	0.6440	31.50
7	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5953	-	11046	0.5389	4.83 = 0.0100*H	Flessione	-	131191.65	0.6613	32.00
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7093	-	13271	0.5345	4.83 = 0.0100*H	Flessione	-	131191.65	0.6613	32.00
9	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2422	-	4474	0.5414	4.83 = 0.0100*H	Flessione	-	133241.52	0.6822	32.50
10	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3908	-	7217	0.5416	4.83 = 0.0100*H	Flessione	-	133241.52	0.6822	32.50
11	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7583	-	13532	0.5604	4.83 = 0.0100*H	Flessione	-	135291.39	0.7056	33.00
12	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6738	-	11283	0.5972	4.83 = 0.0100*H	Flessione	-	137341.26	0.7327	33.50
13	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2768	-	4180	0.6623	4.83 = 0.0100*H	Flessione	-	141440.99	0.7957	34.50
14	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	463	-	694	0.6676	4.83 = 0.0100*H	Flessione	-	143490.86	0.8293	35.00



15	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2046	-	3176	0.644 3	4.83 = 0.010 0*H	Flessi one	-	14349 0.86	0.829 3	35.00
16	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4233	-	6160	0.687 2	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.865 0	35.50
17	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1481	-	2070	0.715 3	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.865 0	35.50
18	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	4300	-	6002	0.716 4	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.865 0	35.50
19	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	781	-	1065	0.733 2	4.83 = 0.010 0*H	Flessi one	-	14759 0.60	0.911 8	36.00
20	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3040	-	4180	0.727 3	4.83 = 0.010 0*H	Flessi one	-	14759 0.60	0.911 8	36.00
21	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2111	-	2530	0.834 2	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
22	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	2023	-	2335	0.866 3	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
23	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1818	-	2087	0.870 8	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
24	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7439	-	8849	0.840 7	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
25	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	436	-	526	0.829 3	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
26	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6075	-	7072	0.859 0	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
27	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7500	-	9109	0.823 4	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.017 9	37.00
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	906	-	988	0.916 3	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.390 0	37.50
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	933	-	988	0.944 0	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.390 0	37.50
30	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	0	-	1308	0.000 0	2.41 = 0.005 0*H	Taglio	-	15374 0.21	1.390 0	37.50
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1041	-	988	1.053 4	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.390 0	37.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1066	-	988	1.079 1	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.390 0	37.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10972	-	32945	0.333 0	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 1	37.50
34	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	0	-	1308	0.000 0	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 1	37.50
35	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11996	-	37568	0.319 3	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 1	37.50
36	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10341	-	26397	0.391 7	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 1	37.50

Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/ cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottu ra	$\theta$ [rad]	F [daN]	u [cm]	S
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1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11842	-	37568	0.315 2	2.41 = 0.005 0*H	Taglio	-	90194 .26	0.406 7	22.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10834	-	32945	0.328 9	2.41 = 0.005 0*H	Taglio	-	94294 .00	0.427 5	23.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10180	-	26397	0.385 6	2.41 = 0.005 0*H	Taglio	-	10659 3.21	0.498 0	26.00
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5526	-	12347	0.447 6	4.83 = 0.010 0*H	Flessi one	-	11889 2.43	0.577 4	29.00
5	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6404	-	13271	0.482 6	4.83 = 0.010 0*H	Flessi one	-	12299 2.17	0.605 5	30.00
6	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5352	-	11046	0.484 6	4.83 = 0.010 0*H	Flessi one	-	12504 2.04	0.620 7	30.50
7	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6847	-	13532	0.506 0	4.83 = 0.010 0*H	Flessi one	-	12709 1.91	0.636 9	31.00
8	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2355	-	4474	0.526 3	4.83 = 0.010 0*H	Flessi one	-	12914 1.78	0.654 7	31.50
9	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9606	-	18342	0.523 7	4.83 = 0.010 0*H	Flessi one	-	13119 1.65	0.673 1	32.00
10	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6087	-	11283	0.539 5	4.83 = 0.010 0*H	Flessi one	-	13119 1.65	0.673 1	32.00
11	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3802	-	7217	0.526 8	4.83 = 0.010 0*H	Flessi one	-	13119 1.65	0.673 1	32.00
12	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8931	-	16275	0.548 8	4.83 = 0.010 0*H	Flessi one	-	13324 1.52	0.698 9	32.50
13	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2455	-	4180	0.587 3	4.83 = 0.010 0*H	Flessi one	-	13529 1.39	0.730 4	33.00
14	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	702	-	1065	0.659 0	4.83 = 0.010 0*H	Flessi one	-	13939 1.13	0.797 5	34.00
15	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3872	-	6002	0.645 2	4.83 = 0.010 0*H	Flessi one	-	13939 1.13	0.797 5	34.00
16	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1421	-	2070	0.686 3	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	0.835 3	34.50
17	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4479	-	6160	0.727 1	4.83 = 0.010 0*H	Flessi one	-	14349 0.86	0.874 4	35.00
18	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	526	-	694	0.757 4	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.918 6	35.50
19	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2352	-	3176	0.740 6	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.918 6	35.50
20	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1872	-	2530	0.739 7	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.918 6	35.50
21	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1797	-	2335	0.769 7	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.918 6	35.50
22	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1060	-	1308	0.810 5	4.83 = 0.010 0*H	Flessi one	-	14759 0.60	0.972 8	36.00
23	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3367	-	4180	0.805 5	4.83 = 0.010 0*H	Flessi one	-	14759 0.60	0.972 8	36.00
24	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1747	-	2087	0.837 1	4.83 = 0.010 0*H	Flessi one	-	14964 0.47	1.035 9	36.50
25	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7802	-	8849	0.881 7	4.83 = 0.010 0*H	Flessi one	-	14964 0.47	1.035 9	36.50



26	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6224	-	7072	0.8800	4.83 = 0.0100*H	Flessione	-	149640.47	1.0359	36.50
27	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7837	-	9109	0.8604	4.83 = 0.0100*H	Flessione	-	149640.47	1.0359	36.50
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1048	-	988	1.0607	4.83 = 0.0100*H	Flessione	-	151690.34	1.4686	37.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1072	-	988	1.0852	4.83 = 0.0100*H	Flessione	-	151690.34	1.4686	37.00
30	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1168	-	988	1.1819	4.83 = 0.0100*H	Flessione	-	151690.34	1.4686	37.00
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1190	-	988	1.2045	4.83 = 0.0100*H	Flessione	-	151690.34	1.4686	37.00
32	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	0	-	526	0.0000	2.41 = 0.0050*H	Taglio	-	151690.34	1.4686	37.00
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10834	-	32945	0.3289	2.41 = 0.0050*H	Taglio	-	151690.34	2.5334	37.00
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11842	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	151690.34	2.5334	37.00
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10180	-	26397	0.3856	2.41 = 0.0050*H	Taglio	-	151690.34	2.5334	37.00
36	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	0	-	526	0.0000	2.41 = 0.0050*H	Taglio	-	151690.34	2.5334	37.00

Cond\_X\_2(+); E(-); S2(+) : 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11996	-	37568	0.3193	2.41 = 0.0050*H	Taglio	-	92244.13	0.4150	22.50
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10972	-	32945	0.3330	2.41 = 0.0050*H	Taglio	-	96343.87	0.4357	23.50
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10341	-	26397	0.3917	2.41 = 0.0050*H	Taglio	-	108643.08	0.5061	26.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5670	-	12347	0.4592	4.83 = 0.0100*H	Flessione	-	120942.30	0.5854	29.50
5	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	8648	-	18342	0.4715	4.83 = 0.0100*H	Flessione	-	125042.04	0.6135	30.50
6	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8059	-	16275	0.4952	4.83 = 0.0100*H	Flessione	-	127091.91	0.6291	31.00
7	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5953	-	11046	0.5389	4.83 = 0.0100*H	Flessione	-	131191.65	0.6638	32.00
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7093	-	13271	0.5345	4.83 = 0.0100*H	Flessione	-	131191.65	0.6638	32.00
9	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2422	-	4474	0.5414	4.83 = 0.0100*H	Flessione	-	133241.52	0.6847	32.50
10	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3908	-	7217	0.5416	4.83 = 0.0100*H	Flessione	-	133241.52	0.6847	32.50
11	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7583	-	13532	0.5604	4.83 = 0.0100*H	Flessione	-	135291.39	0.7081	33.00



12	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6738	-	11283	0.597 2	4.83 = 0.010 0*H	Flessi one	-	13734 1.26	0.735 2	33.50
13	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2053	-	3176	0.646 4	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	0.798 3	34.50
14	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2768	-	4180	0.662 3	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	0.798 3	34.50
15	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	463	-	694	0.667 6	4.83 = 0.010 0*H	Flessi one	-	14349 0.86	0.833 5	35.00
16	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4233	-	6160	0.687 2	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.869 2	35.50
17	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1481	-	2070	0.715 3	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.869 2	35.50
18	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	4300	-	6002	0.716 4	4.83 = 0.010 0*H	Flessi one	-	14554 0.73	0.869 2	35.50
19	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	781	-	1065	0.733 2	4.83 = 0.010 0*H	Flessi one	-	14759 0.60	0.916 1	36.00
20	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3040	-	4180	0.727 3	4.83 = 0.010 0*H	Flessi one	-	14759 0.60	0.916 1	36.00
21	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2111	-	2530	0.834 2	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
22	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	2023	-	2335	0.866 3	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
23	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1818	-	2087	0.870 8	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
24	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7439	-	8849	0.840 7	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
25	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	436	-	526	0.829 3	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
26	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6075	-	7072	0.859 0	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
27	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7500	-	9109	0.823 4	4.83 = 0.010 0*H	Flessi one	-	15169 0.34	1.022 1	37.00
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	906	-	988	0.916 3	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.394 2	37.50
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	933	-	988	0.944 0	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.394 2	37.50
30	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	0	-	1308	0.000 0	2.41 = 0.005 0*H	Taglio	-	15374 0.21	1.394 2	37.50
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1041	-	988	1.053 4	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.394 2	37.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1066	-	988	1.079 1	4.83 = 0.010 0*H	Flessi one	-	15374 0.21	1.394 2	37.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10972	-	32945	0.333 0	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 4	37.50
34	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	0	-	1308	0.000 0	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 4	37.50
35	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11996	-	37568	0.319 3	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 4	37.50
36	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10341	-	26397	0.391 7	2.41 = 0.005 0*H	Taglio	-	15374 0.21	2.532 4	37.50



**Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11842	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	90194.26	0.4073	22.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	10834	-	32945	0.3289	2.41 = 0.0050*H	Taglio	-	94294.00	0.4281	23.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	10180	-	26397	0.3856	2.41 = 0.0050*H	Taglio	-	106593.21	0.4986	26.00
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5526	-	12347	0.4476	4.83 = 0.0100*H	Flessione	-	118892.43	0.5780	29.00
5	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6404	-	13271	0.4826	4.83 = 0.0100*H	Flessione	-	122992.17	0.6062	30.00
6	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	5352	-	11046	0.4846	4.83 = 0.0100*H	Flessione	-	125042.04	0.6213	30.50
7	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6847	-	13532	0.5060	4.83 = 0.0100*H	Flessione	-	127091.91	0.6376	31.00
8	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9602	-	18342	0.5235	4.83 = 0.0100*H	Flessione	-	129141.78	0.6554	31.50
9	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2350	-	4474	0.5253	4.83 = 0.0100*H	Flessione	-	131191.65	0.6759	32.00
10	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	6087	-	11283	0.5395	4.83 = 0.0100*H	Flessione	-	131191.65	0.6759	32.00
11	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3802	-	7217	0.5268	4.83 = 0.0100*H	Flessione	-	131191.65	0.6759	32.00
12	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8931	-	16275	0.5488	4.83 = 0.0100*H	Flessione	-	133241.52	0.7016	32.50
13	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2455	-	4180	0.5873	4.83 = 0.0100*H	Flessione	-	135291.39	0.7332	33.00
14	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	702	-	1065	0.6590	4.83 = 0.0100*H	Flessione	-	139391.13	0.8003	34.00
15	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3872	-	6002	0.6452	4.83 = 0.0100*H	Flessione	-	139391.13	0.8003	34.00
16	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1421	-	2070	0.6863	4.83 = 0.0100*H	Flessione	-	141440.99	0.8380	34.50
17	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	4479	-	6160	0.7271	4.83 = 0.0100*H	Flessione	-	143490.86	0.8772	35.00
18	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	526	-	694	0.7574	4.83 = 0.0100*H	Flessione	-	145540.73	0.9214	35.50
19	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2352	-	3176	0.7406	4.83 = 0.0100*H	Flessione	-	145540.73	0.9214	35.50
20	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1872	-	2530	0.7397	4.83 = 0.0100*H	Flessione	-	145540.73	0.9214	35.50
21	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1797	-	2335	0.7697	4.83 = 0.0100*H	Flessione	-	145540.73	0.9214	35.50
22	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1060	-	1308	0.8105	4.83 = 0.0100*H	Flessione	-	147590.60	0.9755	36.00



23	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	3367	-	4180	0.8055	4.83 = 0.0100*H	Flessione	-	147590.60	0.9755	36.00
24	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1747	-	2087	0.8371	4.83 = 0.0100*H	Flessione	-	149640.47	1.0386	36.50
25	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	7802	-	8849	0.8817	4.83 = 0.0100*H	Flessione	-	149640.47	1.0386	36.50
26	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6224	-	7072	0.8800	4.83 = 0.0100*H	Flessione	-	149640.47	1.0386	36.50
27	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7837	-	9109	0.8604	4.83 = 0.0100*H	Flessione	-	149640.47	1.0386	36.50
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1048	-	988	1.0607	4.83 = 0.0100*H	Flessione	-	151690.34	1.4713	37.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1072	-	988	1.0852	4.83 = 0.0100*H	Flessione	-	151690.34	1.4713	37.00
30	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1168	-	988	1.1819	4.83 = 0.0100*H	Flessione	-	151690.34	1.4713	37.00
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1190	-	988	1.2045	4.83 = 0.0100*H	Flessione	-	151690.34	1.4713	37.00
32	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	0	-	526	0.0000	2.41 = 0.0050*H	Taglio	-	151690.34	1.4713	37.00
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	10834	-	32945	0.3289	2.41 = 0.0050*H	Taglio	-	151690.34	2.5336	37.00
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11842	-	37568	0.3152	2.41 = 0.0050*H	Taglio	-	151690.34	2.5336	37.00
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	10180	-	26397	0.3856	2.41 = 0.0050*H	Taglio	-	151690.34	2.5336	37.00
36	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	0	-	526	0.0000	2.41 = 0.0050*H	Taglio	-	151690.34	2.5336	37.00

Cond\_X\_2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11855	-	37568	0.3156	2.41 = 0.0050*H	Taglio	-	-90194.26	0.4111	22.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11576	-	32945	0.3514	2.41 = 0.0050*H	Taglio	-	-100443.60	0.4635	24.50
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9531	-	26397	0.3611	2.41 = 0.0050*H	Taglio	-	-102493.47	0.4754	25.00
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5898	-	12347	0.4777	4.83 = 0.0100*H	Flessione	-	-122992.17	0.6086	30.00
5	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	7840	-	16275	0.4817	4.83 = 0.0100*H	Flessione	-	-125042.04	0.6228	30.50
6	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9074	-	18342	0.4947	4.83 = 0.0100*H	Flessione	-	-127091.91	0.6383	31.00
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3566	-	7217	0.4940	4.83 = 0.0100*H	Flessione	-	-127091.91	0.6383	31.00
8	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5901	-	11283	0.5230	4.83 = 0.0100*H	Flessione	-	-129141.78	0.6567	31.50



9	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7125	-	13532	0.5266	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.6768	32.00
10	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7587	-	13271	0.5717	4.83 = 0.0100*H	Flessione	-	- 135291.39	0.7220	33.00
11	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3487	-	6002	0.5811	4.83 = 0.0100*H	Flessione	-	- 135291.39	0.7220	33.00
12	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2420	-	4180	0.5788	4.83 = 0.0100*H	Flessione	-	- 137341.26	0.7498	33.50
13	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6813	-	11046	0.6168	4.83 = 0.0100*H	Flessione	-	- 139391.13	0.7792	34.00
14	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2880	-	4474	0.6438	4.83 = 0.0100*H	Flessione	-	- 141440.99	0.8136	34.50
15	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	5822	-	8849	0.6580	4.83 = 0.0100*H	Flessione	-	- 141440.99	0.8136	34.50
16	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1433	-	2087	0.6864	4.83 = 0.0100*H	Flessione	-	- 143490.86	0.8574	35.00
17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	920	-	1308	0.7029	4.83 = 0.0100*H	Flessione	-	- 143490.86	0.8574	35.00
18	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2622	-	3176	0.8254	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.9988	36.50
19	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3409	-	4180	0.8156	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.9988	36.50
20	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	422	-	526	0.8025	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.9988	36.50
21	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	5866	-	7072	0.8294	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.9988	36.50
22	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	599	-	694	0.8629	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
23	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5420	-	6160	0.8799	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
24	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1867	-	2070	0.9018	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
25	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	976	-	1065	0.9163	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
26	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2163	-	2530	0.8548	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
27	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1988	-	2335	0.8513	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
28	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	890	-	988	0.9010	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
29	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7881	-	9109	0.8652	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.0700	37.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1109	-	988	1.1217	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.7220	37.50
31	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1074	-	988	1.0871	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.7220	37.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	926	-	988	0.9372	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.7220	37.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11576	-	32945	0.3514	2.41 = 0.0050*H	Taglio	-	- 153740.21	2.5406	37.50



34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11855	-	37568	0.3156	2.41 = 0.0050*H	Taglio	-	- 15374 0.21	2.5406	37.50
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9531	-	26397	0.3611	2.41 = 0.0050*H	Taglio	-	- 15374 0.21	2.5406	37.50

**Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)**

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11703	-	37568	0.3115	2.41 = 0.0050*H	Taglio	-	- 90194 .26	0.4094	22.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11428	-	32945	0.3469	2.41 = 0.0050*H	Taglio	-	- 98393 .74	0.4512	24.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9383	-	26397	0.3554	2.41 = 0.0050*H	Taglio	-	- 10044 3.60	0.4630	24.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5756	-	12347	0.4662	4.83 = 0.0100*H	Flessione	-	- 12094 2.30	0.5959	29.50
5	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6420	-	13532	0.4744	4.83 = 0.0100*H	Flessione	-	- 12094 2.30	0.5959	29.50
6	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5285	-	11283	0.4684	4.83 = 0.0100*H	Flessione	-	- 12094 2.30	0.5959	29.50
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3460	-	7217	0.4794	4.83 = 0.0100*H	Flessione	-	- 12299 2.17	0.6123	30.00
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6878	-	13271	0.5183	4.83 = 0.0100*H	Flessione	-	- 12709 1.91	0.6466	31.00
9	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3081	-	6002	0.5133	4.83 = 0.0100*H	Flessione	-	- 12709 1.91	0.6466	31.00
10	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8705	-	16275	0.5349	4.83 = 0.0100*H	Flessione	-	- 13119 1.65	0.6865	32.00
11	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	10035	-	18342	0.5471	4.83 = 0.0100*H	Flessione	-	- 13324 1.52	0.7094	32.50
12	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6194	-	11046	0.5608	4.83 = 0.0100*H	Flessione	-	- 13324 1.52	0.7094	32.50
13	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2813	-	4474	0.6286	4.83 = 0.0100*H	Flessione	-	- 13734 1.26	0.7740	33.50
14	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	816	-	1308	0.6238	4.83 = 0.0100*H	Flessione	-	- 13734 1.26	0.7740	33.50
15	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1362	-	2087	0.6526	4.83 = 0.0100*H	Flessione	-	- 13939 1.13	0.8094	34.00
16	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2764	-	4180	0.6613	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	0.8461	34.50
17	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3096	-	4180	0.7406	4.83 = 0.0100*H	Flessione	-	- 14349 0.86	0.8854	35.00
18	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	6233	-	8849	0.7043	4.83 = 0.0100*H	Flessione	-	- 14349 0.86	0.8854	35.00
19	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1926	-	2530	0.7610	4.83 = 0.0100*H	Flessione	-	- 14554 0.73	0.9374	35.50
20	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1761	-	2335	0.7542	4.83 = 0.0100*H	Flessione	-	- 14554 0.73	0.9374	35.50



21	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	900	-	1065	0.845 2	4.83 = 0.010 0*H	Flessi one	-	- 14759 0.60	0.996 7	36.00
22	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1807	-	2070	0.873 1	4.83 = 0.010 0*H	Flessi one	-	- 14964 0.47	1.057 8	36.50
23	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6019	-	7072	0.851 1	4.83 = 0.010 0*H	Flessi one	-	- 14964 0.47	1.057 8	36.50
24	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	653	-	694	0.941 0	4.83 = 0.010 0*H	Flessi one	-	- 15169 0.34	1.142 0	37.00
25	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5623	-	6160	0.912 9	4.83 = 0.010 0*H	Flessi one	-	- 15169 0.34	1.142 0	37.00
26	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2900	-	3176	0.913 1	4.83 = 0.010 0*H	Flessi one	-	- 15169 0.34	1.142 0	37.00
27	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	472	-	526	0.897 2	4.83 = 0.010 0*H	Flessi one	-	- 15169 0.34	1.142 0	37.00
28	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	8205	-	9109	0.900 8	4.83 = 0.010 0*H	Flessi one	-	- 15169 0.34	1.142 0	37.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1234	-	988	1.249 2	4.83 = 0.010 0*H	Flessi one	-	- 15374 0.21	1.631 8	37.50
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1203	-	988	1.216 8	4.83 = 0.010 0*H	Flessi one	-	- 15374 0.21	1.631 8	37.50
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1064	-	988	1.076 2	4.83 = 0.010 0*H	Flessi one	-	- 15374 0.21	1.631 8	37.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1028	-	988	1.039 9	4.83 = 0.010 0*H	Flessi one	-	- 15374 0.21	1.631 8	37.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11428	-	32945	0.346 9	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.539 9	37.50
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11703	-	37568	0.311 5	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.539 9	37.50
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9383	-	26397	0.355 4	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.539 9	37.50

**Cond\_X\_2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11855	-	37568	0.315 6	2.41 = 0.005 0*H	Taglio	-	- 90194 .26	0.411 7	22.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11576	-	32945	0.351 4	2.41 = 0.005 0*H	Taglio	-	- 10044 3.60	0.464 2	24.50
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9531	-	26397	0.361 1	2.41 = 0.005 0*H	Taglio	-	- 10249 3.47	0.476 0	25.00
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5898	-	12347	0.477 7	4.83 = 0.010 0*H	Flessi one	-	- 12299 2.17	0.609 4	30.00
5	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	7840	-	16275	0.481 7	4.83 = 0.010 0*H	Flessi one	-	- 12504 2.04	0.623 5	30.50
6	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	9074	-	18342	0.494 7	4.83 = 0.010 0*H	Flessi one	-	- 12709 1.91	0.639 1	31.00
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3566	-	7217	0.494 0	4.83 = 0.010 0*H	Flessi one	-	- 12709 1.91	0.639 1	31.00



8	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	7125	-	13532	0.5266	4.83 = 0.0100*H	Flessione	-	- 13119 1.65	0.6759	32.00
9	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5899	-	11283	0.5229	4.83 = 0.0100*H	Flessione	-	- 13119 1.65	0.6759	32.00
10	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	7587	-	13271	0.5717	4.83 = 0.0100*H	Flessione	-	- 13529 1.39	0.7212	33.00
11	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3484	-	6002	0.5806	4.83 = 0.0100*H	Flessione	-	- 13734 1.26	0.7471	33.50
12	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2420	-	4180	0.5788	4.83 = 0.0100*H	Flessione	-	- 13734 1.26	0.7471	33.50
13	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6813	-	11046	0.6168	4.83 = 0.0100*H	Flessione	-	- 13939 1.13	0.7765	34.00
14	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2880	-	4474	0.6438	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	0.8109	34.50
15	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	5822	-	8849	0.6580	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	0.8109	34.50
16	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1433	-	2087	0.6864	4.83 = 0.0100*H	Flessione	-	- 14349 0.86	0.8547	35.00
17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	920	-	1308	0.7029	4.83 = 0.0100*H	Flessione	-	- 14349 0.86	0.8547	35.00
18	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2622	-	3176	0.8254	4.83 = 0.0100*H	Flessione	-	- 14964 0.47	0.9961	36.50
19	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3409	-	4180	0.8156	4.83 = 0.0100*H	Flessione	-	- 14964 0.47	0.9961	36.50
20	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	422	-	526	0.8025	4.83 = 0.0100*H	Flessione	-	- 14964 0.47	0.9961	36.50
21	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	5866	-	7072	0.8294	4.83 = 0.0100*H	Flessione	-	- 14964 0.47	0.9961	36.50
22	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	599	-	694	0.8629	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
23	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5420	-	6160	0.8799	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
24	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1867	-	2070	0.9018	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
25	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	2163	-	2530	0.8548	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
26	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1988	-	2335	0.8513	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
27	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	890	-	988	0.9010	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
28	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	7881	-	9109	0.8652	4.83 = 0.0100*H	Flessione	-	- 15169 0.34	1.0673	37.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1109	-	988	1.1217	4.83 = 0.0100*H	Flessione	-	- 15374 0.21	1.5555	37.50
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1074	-	988	1.0871	4.83 = 0.0100*H	Flessione	-	- 15374 0.21	1.5555	37.50
31	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	0	-	1065	0.0000	2.41 = 0.0050*H	Taglio	-	- 15374 0.21	1.5555	37.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	926	-	988	0.9372	4.83 = 0.0100*H	Flessione	-	- 15374 0.21	1.5555	37.50



33	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	0	-	1065	0.000 0	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.540 9	37.50
34	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11576	-	32945	0.351 4	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.540 9	37.50
35	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11855	-	37568	0.315 6	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.540 9	37.50
36	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9531	-	26397	0.361 1	2.41 = 0.005 0*H	Taglio	-	- 15374 0.21	2.540 9	37.50

**Cond\_X 2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Ly)**

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	11703	-	37568	0.311 5	2.41 = 0.005 0*H	Taglio	-	- 90194 .26	0.409 8	22.00
2	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	11428	-	32945	0.346 9	2.41 = 0.005 0*H	Taglio	-	- 98393 .74	0.451 7	24.00
3	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	9383	-	26397	0.355 4	2.41 = 0.005 0*H	Taglio	-	- 10044 3.60	0.463 5	24.50
4	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	5756	-	12347	0.466 2	4.83 = 0.010 0*H	Flessione	-	- 12094 2.30	0.596 5	29.50
5	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	6420	-	13532	0.474 4	4.83 = 0.010 0*H	Flessione	-	- 12094 2.30	0.596 5	29.50
6	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	5285	-	11283	0.468 4	4.83 = 0.010 0*H	Flessione	-	- 12094 2.30	0.596 5	29.50
7	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	3460	-	7217	0.479 4	4.83 = 0.010 0*H	Flessione	-	- 12299 2.17	0.612 9	30.00
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	6878	-	13271	0.518 3	4.83 = 0.010 0*H	Flessione	-	- 12709 1.91	0.647 2	31.00
9	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	3081	-	6002	0.513 3	4.83 = 0.010 0*H	Flessione	-	- 12709 1.91	0.647 2	31.00
10	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	8705	-	16275	0.534 9	4.83 = 0.010 0*H	Flessione	-	- 13119 1.65	0.687 0	32.00
11	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	10035	-	18342	0.547 1	4.83 = 0.010 0*H	Flessione	-	- 13324 1.52	0.709 9	32.50
12	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	6194	-	11046	0.560 8	4.83 = 0.010 0*H	Flessione	-	- 13324 1.52	0.709 9	32.50
13	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	2813	-	4474	0.628 6	4.83 = 0.010 0*H	Flessione	-	- 13734 1.26	0.774 6	33.50
14	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	816	-	1308	0.623 8	4.83 = 0.010 0*H	Flessione	-	- 13734 1.26	0.774 6	33.50
15	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	1362	-	2087	0.652 6	4.83 = 0.010 0*H	Flessione	-	- 13939 1.13	0.810 0	34.00
16	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2764	-	4180	0.661 3	4.83 = 0.010 0*H	Flessione	-	- 14144 0.99	0.846 6	34.50
17	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	3096	-	4180	0.740 6	4.83 = 0.010 0*H	Flessione	-	- 14349 0.86	0.886 0	35.00
18	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	6233	-	8849	0.704 3	4.83 = 0.010 0*H	Flessione	-	- 14349 0.86	0.886 0	35.00



19	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1926	-	2530	0.7610	4.83 = 0.0100*H	Flessione	-	- 145540.73	0.9380	35.50
20	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1761	-	2335	0.7542	4.83 = 0.0100*H	Flessione	-	- 145540.73	0.9380	35.50
21	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	900	-	1065	0.8452	4.83 = 0.0100*H	Flessione	-	- 147590.60	0.9973	36.00
22	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	1807	-	2070	0.8731	4.83 = 0.0100*H	Flessione	-	- 149640.47	1.0584	36.50
23	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	6019	-	7072	0.8511	4.83 = 0.0100*H	Flessione	-	- 149640.47	1.0584	36.50
24	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	653	-	694	0.9410	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.1425	37.00
25	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	5623	-	6160	0.9129	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.1425	37.00
26	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2900	-	3176	0.9131	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.1425	37.00
27	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	472	-	526	0.8972	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.1425	37.00
28	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	8205	-	9109	0.9008	4.83 = 0.0100*H	Flessione	-	- 151690.34	1.1425	37.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1234	-	988	1.2492	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.6324	37.50
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1203	-	988	1.2168	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.6324	37.50
31	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1064	-	988	1.0762	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.6324	37.50
32	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1028	-	988	1.0399	4.83 = 0.0100*H	Flessione	-	- 153740.21	1.6324	37.50
33	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	11428	-	32945	0.3469	2.41 = 0.0050*H	Taglio	-	- 153740.21	2.5402	37.50
34	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	11703	-	37568	0.3115	2.41 = 0.0050*H	Taglio	-	- 153740.21	2.5402	37.50
35	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	9383	-	26397	0.3554	2.41 = 0.0050*H	Taglio	-	- 153740.21	2.5402	37.50

Cond\_Y\_1(+); E(+); S2(+): 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18903	-	79641	0.2373	2.41 = 0.0050*H	Taglio	-	102493.47	0.3254	25.00
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19101	-	77838	0.2454	2.41 = 0.0050*H	Taglio	-	108643.08	0.3500	26.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	29003	-	108243	0.2679	2.41 = 0.0050*H	Taglio	-	116842.56	0.3933	28.50
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13424	-	45836	0.2929	2.41 = 0.0050*H	Taglio	-	129141.78	0.5044	31.50
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2742	-	4388	0.6249	4.83 = 0.0100*H	Flessione	-	145540.73	0.7083	35.50



6	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	963	-	1375	0.700 0	4.83 = 0.010 0*H	Flessione	-	15169 0.34	0.789 9	37.00
7	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1635	-	2328	0.702 2	4.83 = 0.010 0*H	Flessione	-	15169 0.34	0.789 9	37.00
8	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	957	-	1375	0.695 9	4.83 = 0.010 0*H	Flessione	-	15374 0.21	0.818 9	37.50
9	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2770	-	4008	0.691 1	4.83 = 0.010 0*H	Flessione	-	15579 0.08	0.848 4	38.00
10	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2658	-	4261	0.623 8	4.83 = 0.010 0*H	Flessione	-	15783 9.95	0.880 2	38.50
11	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2900	-	4232	0.685 3	4.83 = 0.010 0*H	Flessione	-	15783 9.95	0.880 2	38.50
12	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	932	-	1375	0.677 5	4.83 = 0.010 0*H	Flessione	-	15988 9.82	0.917 2	39.00
13	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	935	-	1375	0.679 9	4.83 = 0.010 0*H	Flessione	-	15988 9.82	0.917 2	39.00
14	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1422	-	2116	0.672 2	4.83 = 0.010 0*H	Flessione	-	16193 9.69	0.956 2	39.50
15	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3267	-	3613	0.904 3	4.83 = 0.010 0*H	Flessione	-	16398 9.56	0.997 0	40.00
16	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1179	-	1229	0.959 6	4.83 = 0.010 0*H	Flessione	-	16603 9.43	1.041 7	40.50
17	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1813	-	2010	0.901 8	4.83 = 0.010 0*H	Flessione	-	16603 9.43	1.041 7	40.50
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2246	-	2509	0.894 9	4.83 = 0.010 0*H	Flessione	-	16808 9.30	1.090 4	41.00
19	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3369	-	3428	0.982 8	4.83 = 0.010 0*H	Flessione	-	16808 9.30	1.090 4	41.00
20	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2637	-	2675	0.986 1	4.83 = 0.010 0*H	Flessione	-	16808 9.30	1.090 4	41.00
21	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3937	-	4380	0.898 8	4.83 = 0.010 0*H	Flessione	-	16808 9.30	1.090 4	41.00
22	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1470	-	1655	0.887 9	4.83 = 0.010 0*H	Flessione	-	17013 9.17	1.167 2	41.50
23	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3643	-	4086	0.891 5	4.83 = 0.010 0*H	Flessione	-	17013 9.17	1.167 2	41.50
24	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1902	-	1947	0.976 9	4.83 = 0.010 0*H	Flessione	-	17013 9.17	1.167 2	41.50
25	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1843	-	1883	0.978 9	4.83 = 0.010 0*H	Flessione	-	17013 9.17	1.167 2	41.50
26	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3634	-	3703	0.981 3	4.83 = 0.010 0*H	Flessione	-	17013 9.17	1.167 2	41.50
27	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	878	-	889	0.987 5	4.83 = 0.010 0*H	Flessione	-	17218 9.04	1.341 5	42.00
28	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2256	-	2328	0.969 1	4.83 = 0.010 0*H	Flessione	-	17218 9.04	1.341 5	42.00
29	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3313	-	3407	0.972 5	4.83 = 0.010 0*H	Flessione	-	17218 9.04	1.341 5	42.00
30	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3594	-	3682	0.976 1	4.83 = 0.010 0*H	Flessione	-	17218 9.04	1.341 5	42.00



31	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	322	-	375	0.858 7	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13424	-	45836	0.292 9	2.41 = 0.005 0*H	Taglio	-	17423 9	1.341 5	42.50
33	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2658	-	4261	0.623 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
34	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	1422	-	2116	0.672 2	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
35	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	932	-	1375	0.677 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	935	-	1375	0.679 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
37	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	2900	-	4232	0.685 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
38	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	878	-	889	0.987 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
39	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1470	-	1655	0.887 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
40	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3643	-	4086	0.891 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
41	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2246	-	2509	0.894 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
42	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	2256	-	2328	0.969 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
43	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	3313	-	3407	0.972 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
44	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	3594	-	3682	0.976 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
45	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1902	-	1947	0.976 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
46	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1843	-	1883	0.978 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
47	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	3634	-	3703	0.981 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
48	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	3369	-	3428	0.982 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
49	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	2637	-	2675	0.986 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
50	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2742	-	4388	0.624 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
51	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	1179	-	1229	0.959 6	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
52	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18903	-	79641	0.237 3	2.41 = 0.005 0*H	Taglio	-	17423 9	1.341 5	42.50
53	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3937	-	4380	0.898 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
54	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1813	-	2010	0.901 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50
55	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	3267	-	3613	0.904 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.341 5	42.50



56	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	2770	-	4008	0.6911	4.83 = 0.0100*H	Flessione	-	174239	1.3415	42.50
57	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	957	-	1375	0.6959	4.83 = 0.0100*H	Flessione	-	174239	1.3415	42.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	963	-	1375	0.7000	4.83 = 0.0100*H	Flessione	-	174239	1.3415	42.50
59	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	1635	-	2328	0.7022	4.83 = 0.0100*H	Flessione	-	174239	1.3415	42.50
60	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	299	-	341	0.8781	4.83 = 0.0100*H	Flessione	-	174239	1.3415	42.50
61	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19101	-	77838	0.2454	2.41 = 0.0050*H	Taglio	-	174239	1.3415	42.50
62	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	29003	-	108243	0.2679	2.41 = 0.0050*H	Taglio	-	174239	1.3415	42.50

Cond\_Y 1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18508	-	79641	0.2324	2.41 = 0.0050*H	Taglio	-	100443.60	0.3176	24.50
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19039	-	77838	0.2446	2.41 = 0.0050*H	Taglio	-	108643.08	0.3498	26.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	29147	-	108243	0.2693	2.41 = 0.0050*H	Taglio	-	116842.56	0.3922	28.50
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13806	-	45836	0.3012	2.41 = 0.0050*H	Taglio	-	129141.78	0.5017	31.50
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2628	-	4388	0.5989	4.83 = 0.0100*H	Flessione	-	143490.86	0.6796	35.00
6	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1536	-	2328	0.6601	4.83 = 0.0100*H	Flessione	-	147590.60	0.7338	36.00
7	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	919	-	1375	0.6685	4.83 = 0.0100*H	Flessione	-	149640.47	0.7619	36.50
8	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	930	-	1375	0.6760	4.83 = 0.0100*H	Flessione	-	151690.34	0.7906	37.00
9	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2751	-	4008	0.6863	4.83 = 0.0100*H	Flessione	-	153740.21	0.8200	37.50
10	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2953	-	4232	0.6977	4.83 = 0.0100*H	Flessione	-	157839.95	0.8831	38.50
11	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2778	-	4261	0.6521	4.83 = 0.0100*H	Flessione	-	159889.82	0.9175	39.00
12	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	975	-	1375	0.7085	4.83 = 0.0100*H	Flessione	-	159889.82	0.9175	39.00
13	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	986	-	1375	0.7167	4.83 = 0.0100*H	Flessione	-	161939.69	0.9553	39.50
14	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3121	-	3613	0.8639	4.83 = 0.0100*H	Flessione	-	161939.69	0.9553	39.50
15	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1536	-	2116	0.7257	4.83 = 0.0100*H	Flessione	-	163989.56	0.9976	40.00



16	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2504	-	2675	0.9361	4.83 = 0.0100*H	Flessione	-	163989.56	0.9976	40.00
17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1130	-	1229	0.9199	4.83 = 0.0100*H	Flessione	-	163989.56	0.9976	40.00
18	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1763	-	2010	0.8771	4.83 = 0.0100*H	Flessione	-	163989.56	0.9976	40.00
19	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3256	-	3428	0.9498	4.83 = 0.0100*H	Flessione	-	166039.43	1.0502	40.50
20	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3905	-	4380	0.8915	4.83 = 0.0100*H	Flessione	-	166039.43	1.0502	40.50
21	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2275	-	2509	0.9065	4.83 = 0.0100*H	Flessione	-	168089.30	1.1193	41.00
22	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3572	-	3703	0.9645	4.83 = 0.0100*H	Flessione	-	168089.30	1.1193	41.00
23	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	1045	-	1184	0.8824	4.83 = 0.0100*H	Flessione	-	170139.17	1.2096	41.50
24	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3763	-	4086	0.9211	4.83 = 0.0100*H	Flessione	-	170139.17	1.2096	41.50
25	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3649	-	3682	0.9910	4.83 = 0.0100*H	Flessione	-	170139.17	1.2096	41.50
26	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1912	-	1947	0.9822	4.83 = 0.0100*H	Flessione	-	170139.17	1.2096	41.50
27	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1836	-	1883	0.9750	4.83 = 0.0100*H	Flessione	-	170139.17	1.2096	41.50
28	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1547	-	1655	0.9345	4.83 = 0.0100*H	Flessione	-	172189.04	1.4387	42.00
29	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2368	-	2328	1.0172	4.83 = 0.0100*H	Flessione	-	172189.04	1.4387	42.00
30	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3426	-	3407	1.0057	4.83 = 0.0100*H	Flessione	-	172189.04	1.4387	42.00
31	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	227	-	176	1.2907	4.83 = 0.0100*H	Flessione	-	172189.04	1.4387	42.00
32	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	351	-	375	0.9348	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13806	-	45836	0.3012	2.41 = 0.0050*H	Taglio	-	174239	1.4387	42.50
34	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2778	-	4261	0.6521	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
35	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	1536	-	2116	0.7257	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	986	-	1375	0.7167	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
37	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	975	-	1375	0.7085	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
38	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	2953	-	4232	0.6977	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
39	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	1045	-	1184	0.8824	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50
40	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1547	-	1655	0.9345	4.83 = 0.0100*H	Flessione	-	174239	1.4387	42.50



41	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3763	-	4086	0.921 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
42	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2275	-	2509	0.906 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
43	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	2368	-	2328	1.017 2	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
44	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	3426	-	3407	1.005 7	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
45	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	3649	-	3682	0.991 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
46	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1912	-	1947	0.982 2	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
47	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1836	-	1883	0.975 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
48	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	3572	-	3703	0.964 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
49	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	3256	-	3428	0.949 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
50	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	2504	-	2675	0.936 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
51	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2628	-	4388	0.598 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
52	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	1130	-	1229	0.919 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
53	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18508	-	79641	0.232 4	2.41 = 0.005 0*H	Taglio	-	17423 9	1.438 7	42.50
54	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3905	-	4380	0.891 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
55	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1763	-	2010	0.877 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
56	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	3121	-	3613	0.863 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
57	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	2751	-	4008	0.686 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	930	-	1375	0.676 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
59	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	919	-	1375	0.668 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
60	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	1536	-	2328	0.660 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
61	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	227	-	176	1.290 7	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.438 7	42.50
62	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19039	-	77838	0.244 6	2.41 = 0.005 0*H	Taglio	-	17423 9	1.438 7	42.50
63	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	29147	-	10824 3	0.269 3	2.41 = 0.005 0*H	Taglio	-	17423 9	1.438 7	42.50

Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13494	-	45836	0.2944	2.41 = 0.0050*H	Taglio	-	114792.69	0.3647	28.00
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19087	-	77838	0.2452	2.41 = 0.0050*H	Taglio	-	114792.69	0.3647	28.00
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	29002	-	108243	0.2679	2.41 = 0.0050*H	Taglio	-	116842.56	0.3738	28.50
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18827	-	79641	0.2364	2.41 = 0.0050*H	Taglio	-	120942.30	0.4052	29.50
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2653	-	4261	0.6228	4.83 = 0.0100*H	Flessione	-	145540.73	0.7086	35.50
6	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1450	-	2116	0.6851	4.83 = 0.0100*H	Flessione	-	151690.34	0.7892	37.00
7	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	945	-	1375	0.6873	4.83 = 0.0100*H	Flessione	-	151690.34	0.7892	37.00
8	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	945	-	1375	0.6870	4.83 = 0.0100*H	Flessione	-	153740.21	0.8175	37.50
9	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2910	-	4232	0.6875	4.83 = 0.0100*H	Flessione	-	155790.08	0.8464	38.00
10	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2755	-	4388	0.6278	4.83 = 0.0100*H	Flessione	-	155790.08	0.8464	38.00
11	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2761	-	4008	0.6889	4.83 = 0.0100*H	Flessione	-	157839.95	0.8797	38.50
12	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	952	-	1375	0.6919	4.83 = 0.0100*H	Flessione	-	157839.95	0.8797	38.50
13	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	952	-	1375	0.6923	4.83 = 0.0100*H	Flessione	-	159889.82	0.9170	39.00
14	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1618	-	2328	0.6950	4.83 = 0.0100*H	Flessione	-	159889.82	0.9170	39.00
15	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1482	-	2014	0.7362	4.83 = 0.0100*H	Flessione	-	161939.69	0.9574	39.50
16	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1469	-	1655	0.8872	4.83 = 0.0100*H	Flessione	-	163989.56	0.9996	40.00
17	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3640	-	4086	0.8908	4.83 = 0.0100*H	Flessione	-	166039.43	1.0434	40.50
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2245	-	2509	0.8945	4.83 = 0.0100*H	Flessione	-	166039.43	1.0434	40.50
19	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2249	-	2328	0.9662	4.83 = 0.0100*H	Flessione	-	168089.30	1.0955	41.00
20	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3302	-	3407	0.9694	4.83 = 0.0100*H	Flessione	-	168089.30	1.0955	41.00
21	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3937	-	4380	0.8989	4.83 = 0.0100*H	Flessione	-	168089.30	1.0955	41.00
22	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3588	-	3682	0.9745	4.83 = 0.0100*H	Flessione	-	170139.17	1.1705	41.50
23	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1902	-	1947	0.9769	4.83 = 0.0100*H	Flessione	-	170139.17	1.1705	41.50
24	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1844	-	1883	0.9789	4.83 = 0.0100*H	Flessione	-	170139.17	1.1705	41.50



25	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3634	-	3703	0.9813	4.83 = 0.0100*H	Flessione	-	170139.17	1.1705	41.50
26	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1816	-	2010	0.9033	4.83 = 0.0100*H	Flessione	-	170139.17	1.1705	41.50
27	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3276	-	3613	0.9068	4.83 = 0.0100*H	Flessione	-	170139.17	1.1705	41.50
28	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	247	-	194	1.2773	4.83 = 0.0100*H	Flessione	-	172189.04	1.4170	42.00
29	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	775	-	681	1.1384	4.83 = 0.0100*H	Flessione	-	172189.04	1.4170	42.00
30	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	0	-	3428	0.0000	2.41 = 0.0050*H	Taglio	-	172189.04	1.4170	42.00
31	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2649	-	2675	0.9903	4.83 = 0.0100*H	Flessione	-	172189.04	1.4170	42.00
32	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	247	-	194	1.2773	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13494	-	45836	0.2944	2.41 = 0.0050*H	Taglio	-	174239	1.4170	42.50
34	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2653	-	4261	0.6228	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
35	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	1450	-	2116	0.6851	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	945	-	1375	0.6873	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
37	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	945	-	1375	0.6870	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
38	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	2910	-	4232	0.6875	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
39	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	775	-	681	1.1384	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
40	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1469	-	1655	0.8872	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
41	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3640	-	4086	0.8908	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
42	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2245	-	2509	0.8945	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
43	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	2249	-	2328	0.9662	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
44	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	3302	-	3407	0.9694	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
45	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	3588	-	3682	0.9745	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
46	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1902	-	1947	0.9769	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
47	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1844	-	1883	0.9789	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
48	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	3634	-	3703	0.9813	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
49	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	0	-	3428	0.0000	2.41 = 0.0050*H	Taglio	-	174239	1.4170	42.50



50	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	2649	-	2675	0.9903	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
51	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2755	-	4388	0.6278	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
52	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	1482	-	2014	0.7362	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
53	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18827	-	79641	0.2364	2.41 = 0.0050*H	Taglio	-	174239	1.4170	42.50
54	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3937	-	4380	0.8989	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
55	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1816	-	2010	0.9033	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
56	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	3276	-	3613	0.9068	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
57	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	2761	-	4008	0.6889	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	952	-	1375	0.6919	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
59	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	952	-	1375	0.6923	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
60	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	1618	-	2328	0.6950	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
61	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	299	-	341	0.8782	4.83 = 0.0100*H	Flessione	-	174239	1.4170	42.50
62	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19087	-	77838	0.2452	2.41 = 0.0050*H	Taglio	-	174239	1.4170	42.50
63	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	29002	-	108243	0.2679	2.41 = 0.0050*H	Taglio	-	174239	1.4170	42.50

Cond\_Y\_1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19021	-	77838	0.2444	2.41 = 0.0050*H	Taglio	-	114792.69	0.3687	28.00
2	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13829	-	45836	0.3017	2.41 = 0.0050*H	Taglio	-	116842.56	0.3764	28.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	29134	-	108243	0.2692	2.41 = 0.0050*H	Taglio	-	118892.43	0.3856	29.00
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18339	-	79641	0.2303	2.41 = 0.0050*H	Taglio	-	120942.30	0.4016	29.50
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2765	-	4261	0.6491	4.83 = 0.0100*H	Flessione	-	147590.60	0.7320	36.00
6	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2633	-	4388	0.6000	4.83 = 0.0100*H	Flessione	-	153740.21	0.8132	37.50
7	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1551	-	2116	0.7330	4.83 = 0.0100*H	Flessione	-	155790.08	0.8418	38.00
8	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	994	-	1375	0.7224	4.83 = 0.0100*H	Flessione	-	155790.08	0.8418	38.00



9	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	980	-	1375	0.7125	4.83 = 0.0100*H	Flessione	-	155790.08	0.8418	38.00
10	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2961	-	4232	0.6997	4.83 = 0.0100*H	Flessione	-	155790.08	0.8418	38.00
11	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2733	-	4008	0.6819	4.83 = 0.0100*H	Flessione	-	157839.95	0.8754	38.50
12	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	920	-	1375	0.6691	4.83 = 0.0100*H	Flessione	-	157839.95	0.8754	38.50
13	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	906	-	1375	0.6589	4.83 = 0.0100*H	Flessione	-	157839.95	0.8754	38.50
14	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1507	-	2328	0.6476	4.83 = 0.0100*H	Flessione	-	157839.95	0.8754	38.50
15	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1543	-	1655	0.9322	4.83 = 0.0100*H	Flessione	-	166039.43	1.0387	40.50
16	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3758	-	4086	0.9197	4.83 = 0.0100*H	Flessione	-	166039.43	1.0387	40.50
17	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2275	-	2509	0.9065	4.83 = 0.0100*H	Flessione	-	168089.30	1.0856	41.00
18	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1240	-	1491	0.8315	4.83 = 0.0100*H	Flessione	-	168089.30	1.0856	41.00
19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3907	-	4380	0.8920	4.83 = 0.0100*H	Flessione	-	168089.30	1.0856	41.00
20	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1765	-	2010	0.8780	4.83 = 0.0100*H	Flessione	-	168089.30	1.0856	41.00
21	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2363	-	2328	1.0153	4.83 = 0.0100*H	Flessione	-	170139.17	1.1494	41.50
22	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3420	-	3407	1.0038	4.83 = 0.0100*H	Flessione	-	170139.17	1.1494	41.50
23	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3649	-	3682	0.9910	4.83 = 0.0100*H	Flessione	-	170139.17	1.1494	41.50
24	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1912	-	1947	0.9823	4.83 = 0.0100*H	Flessione	-	170139.17	1.1494	41.50
25	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1836	-	1883	0.9751	4.83 = 0.0100*H	Flessione	-	170139.17	1.1494	41.50
26	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3126	-	3613	0.8653	4.83 = 0.0100*H	Flessione	-	170139.17	1.1494	41.50
27	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	807	-	681	1.1848	4.83 = 0.0100*H	Flessione	-	172189.04	1.3140	42.00
28	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3585	-	3703	0.9680	4.83 = 0.0100*H	Flessione	-	172189.04	1.3140	42.00
29	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3273	-	3428	0.9548	4.83 = 0.0100*H	Flessione	-	172189.04	1.3140	42.00
30	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2521	-	2675	0.9425	4.83 = 0.0100*H	Flessione	-	172189.04	1.3140	42.00
31	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	350	-	375	0.9345	4.83 = 0.0100*H	Flessione	-	174239	1.3140	42.50
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13829	-	45836	0.3017	2.41 = 0.0050*H	Taglio	-	174239	1.3140	42.50
33	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2765	-	4261	0.6491	4.83 = 0.0100*H	Flessione	-	174239	1.3140	42.50



34	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	1551	-	2116	0.733 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
35	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	994	-	1375	0.722 4	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	980	-	1375	0.712 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
37	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	2961	-	4232	0.699 7	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
38	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	807	-	681	1.184 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
39	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1543	-	1655	0.932 2	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
40	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3758	-	4086	0.919 7	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
41	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2275	-	2509	0.906 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
42	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	2363	-	2328	1.015 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
43	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	3420	-	3407	1.003 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
44	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	3649	-	3682	0.991 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
45	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1912	-	1947	0.982 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
46	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1836	-	1883	0.975 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
47	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	3585	-	3703	0.968 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
48	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	3273	-	3428	0.954 8	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
49	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	2521	-	2675	0.942 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
50	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2633	-	4388	0.600 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
51	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	1240	-	1491	0.831 5	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
52	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18339	-	79641	0.230 3	2.41 = 0.005 0*H	Taglio	-	17423 9	1.314 0	42.50
53	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3907	-	4380	0.892 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
54	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1765	-	2010	0.878 0	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
55	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	3126	-	3613	0.865 3	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
56	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	2733	-	4008	0.681 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
57	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	920	-	1375	0.669 1	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	906	-	1375	0.658 9	4.83 = 0.010 0*H	Flessi one	-	17423 9	1.314 0	42.50



59	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	1507	-	2328	0.6476	4.83 = 0.0100*H	Flessione	-	174239	1.3140	42.50
60	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	296	-	341	0.8687	4.83 = 0.0100*H	Flessione	-	174239	1.3140	42.50
61	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19021	-	77838	0.2444	2.41 = 0.0050*H	Taglio	-	174239	1.3140	42.50
62	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	29134	-	108243	0.2692	2.41 = 0.0050*H	Taglio	-	174239	1.3140	42.50

Cond\_Y 1(-); E(+); S2(+) : 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	20156	-	79641	0.2531	2.41 = 0.0050*H	Taglio	-	- 108643.08	0.3420	26.50
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19657	-	77838	0.2525	2.41 = 0.0050*H	Taglio	-	- 112742.82	0.3580	27.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30564	-	108243	0.2824	2.41 = 0.0050*H	Taglio	-	- 122992.17	0.4109	30.00
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14305	-	45836	0.3121	2.41 = 0.0050*H	Taglio	-	- 135291.39	0.5202	33.00
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2471	-	4388	0.5632	4.83 = 0.0100*H	Flessione	-	- 145540.73	0.6473	35.50
6	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1809	-	2675	0.6765	4.83 = 0.0100*H	Flessione	-	- 153740.21	0.7555	37.50
7	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2310	-	3428	0.6739	4.83 = 0.0100*H	Flessione	-	- 155790.08	0.7838	38.00
8	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2402	-	4261	0.5637	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.8137	38.50
9	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1263	-	1883	0.6704	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.8137	38.50
10	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2485	-	3703	0.6711	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.8137	38.50
11	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	898	-	1229	0.7308	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.8137	38.50
12	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2456	-	3682	0.6670	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.8497	39.00
13	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1300	-	1947	0.6678	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.8497	39.00
14	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2261	-	3407	0.6637	4.83 = 0.0100*H	Flessione	-	- 161939.69	0.8901	39.50
15	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2918	-	3613	0.8078	4.83 = 0.0100*H	Flessione	-	- 161939.69	0.8901	39.50
16	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1537	-	2328	0.6602	4.83 = 0.0100*H	Flessione	-	- 163989.56	0.9379	40.00
17	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1621	-	2010	0.8062	4.83 = 0.0100*H	Flessione	-	- 163989.56	0.9379	40.00
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2015	-	2509	0.8029	4.83 = 0.0100*H	Flessione	-	- 166039.43	0.9918	40.50



19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3523	-	4380	0.8044	4.83 = 0.0100*H	Flessione	-	- 166039.43	0.9918	40.50
20	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1323	-	1655	0.7993	4.83 = 0.0100*H	Flessione	-	- 168089.30	1.0603	41.00
21	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3272	-	4086	0.8007	4.83 = 0.0100*H	Flessione	-	- 168089.30	1.0603	41.00
22	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	582	-	681	0.8538	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1513	41.50
23	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1392	-	1375	1.0123	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1513	41.50
24	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1394	-	1375	1.0132	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1513	41.50
25	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2361	-	2328	1.0142	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1513	41.50
26	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2133	-	2116	1.0082	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2874	42.00
27	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1388	-	1375	1.0092	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2874	42.00
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1389	-	1375	1.0102	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2874	42.00
29	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4281	-	4232	1.0115	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2874	42.00
30	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4060	-	4008	1.0131	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2874	42.00
31	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	461	-	375	1.2303	4.83 = 0.0100*H	Flessione	-	- 174238.91	1.2874	42.50
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14305	-	45836	0.3121	2.41 = 0.0050*H	Taglio	-	- 174239	1.2874	42.50
33	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	20156	-	79641	0.2531	2.41 = 0.0050*H	Taglio	-	- 174239	1.2874	42.50
34	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19657	-	77838	0.2525	2.41 = 0.0050*H	Taglio	-	- 174239	1.2874	42.50
35	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30564	-	108243	0.2824	2.41 = 0.0050*H	Taglio	-	- 174239	1.2874	42.50

Cond\_Y\_1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	19739	-	79641	0.2479	2.41 = 0.0050*H	Taglio	-	- 106593.21	0.3379	26.00
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19595	-	77838	0.2517	2.41 = 0.0050*H	Taglio	-	- 112742.82	0.3625	27.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30708	-	108243	0.2837	2.41 = 0.0050*H	Taglio	-	- 122992.17	0.4165	30.00
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14690	-	45836	0.3205	2.41 = 0.0050*H	Taglio	-	- 137341.26	0.5457	33.50
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2347	-	4388	0.5349	4.83 = 0.0100*H	Flessione	-	- 141440.99	0.5965	34.50



6	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1689	-	2675	0.6314	4.83 = 0.0100*H	Flessione	-	- 149640.47	0.7049	36.50
7	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2202	-	3428	0.6423	4.83 = 0.0100*H	Flessione	-	- 153740.21	0.7616	37.50
8	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	840	-	1229	0.6833	4.83 = 0.0100*H	Flessione	-	- 153740.21	0.7616	37.50
9	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2433	-	3703	0.6569	4.83 = 0.0100*H	Flessione	-	- 155790.08	0.7923	38.00
10	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1255	-	1883	0.6663	4.83 = 0.0100*H	Flessione	-	- 157839.95	0.8251	38.50
11	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1312	-	1947	0.6737	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.8590	39.00
12	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2766	-	3613	0.7655	4.83 = 0.0100*H	Flessione	-	- 159889.82	0.8590	39.00
13	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2536	-	4261	0.5953	4.83 = 0.0100*H	Flessione	-	- 161939.69	0.8971	39.50
14	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2516	-	3682	0.6834	4.83 = 0.0100*H	Flessione	-	- 161939.69	0.8971	39.50
15	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1570	-	2010	0.7809	4.83 = 0.0100*H	Flessione	-	- 161939.69	0.8971	39.50
16	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2380	-	3407	0.6986	4.83 = 0.0100*H	Flessione	-	- 163989.56	0.9440	40.00
17	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3494	-	4380	0.7977	4.83 = 0.0100*H	Flessione	-	- 163989.56	0.9440	40.00
18	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1658	-	2328	0.7125	4.83 = 0.0100*H	Flessione	-	- 166039.43	1.0024	40.50
19	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2045	-	2509	0.8149	4.83 = 0.0100*H	Flessione	-	- 168089.30	1.0650	41.00
20	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1347	-	1375	0.9792	4.83 = 0.0100*H	Flessione	-	- 168089.30	1.0650	41.00
21	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2252	-	2328	0.9676	4.83 = 0.0100*H	Flessione	-	- 168089.30	1.0650	41.00
22	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1404	-	1655	0.8483	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1463	41.50
23	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3400	-	4086	0.8322	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1463	41.50
24	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1364	-	1375	0.9914	4.83 = 0.0100*H	Flessione	-	- 170139.17	1.1463	41.50
25	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1425	-	1375	1.0360	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2745	42.00
26	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4328	-	4232	1.0227	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2745	42.00
27	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	625	-	681	0.9181	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2745	42.00
28	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4034	-	4008	1.0064	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2745	42.00
29	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	483	-	375	1.2871	4.83 = 0.0100*H	Flessione	-	- 174238.91	1.7333	42.50
30	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	0	-	2116	0.0000	2.41 = 0.0050*H	Taglio	-	- 174238.91	1.7333	42.50



31	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	0	-	1375	0.000 0	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	1.733 3	42.50
32	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	419	-	341	1.229 1	4.83 = 0.010 0*H	Flessione	-	- 17423 8.91	1.733 3	42.50
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14690	-	45836	0.320 5	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	2.526 4	42.50
34	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	0	-	2116	0.000 0	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	2.526 4	42.50
35	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	0	-	1375	0.000 0	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	2.526 4	42.50
36	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	19739	-	79641	0.247 9	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	2.526 4	42.50
37	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19595	-	77838	0.251 7	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	2.526 4	42.50
38	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30708	-	10824 3	0.283 7	2.41 = 0.005 0*H	Taglio	-	- 17423 8.91	2.526 4	42.50

**Cond\_Y\_1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)**

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19675	-	77838	0.252 8	2.41 = 0.005 0*H	Taglio	-	- 11889 2.43	0.376 0	29.00
2	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14279	-	45836	0.311 5	2.41 = 0.005 0*H	Taglio	-	- 12094 2.30	0.383 6	29.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30565	-	10824 3	0.282 4	2.41 = 0.005 0*H	Taglio	-	- 12299 2.17	0.392 7	30.00
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	20311	-	79641	0.255 0	2.41 = 0.005 0*H	Taglio	-	- 12914 1.78	0.440 2	31.50
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2417	-	4261	0.567 4	4.83 = 0.010 0*H	Flessione	-	- 14554 0.73	0.642 4	35.50
6	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1564	-	2328	0.671 8	4.83 = 0.010 0*H	Flessione	-	- 15374 0.21	0.749 9	37.50
7	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2283	-	3407	0.670 2	4.83 = 0.010 0*H	Flessione	-	- 15579 0.08	0.777 8	38.00
8	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2466	-	4388	0.561 8	4.83 = 0.010 0*H	Flessione	-	- 15579 0.08	0.777 8	38.00
9	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2463	-	3682	0.669 0	4.83 = 0.010 0*H	Flessione	-	- 15783 9.95	0.809 1	38.50
10	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1304	-	1947	0.669 7	4.83 = 0.010 0*H	Flessione	-	- 15783 9.95	0.809 1	38.50
11	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1258	-	1883	0.668 2	4.83 = 0.010 0*H	Flessione	-	- 15988 9.82	0.843 9	39.00
12	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2477	-	3703	0.668 9	4.83 = 0.010 0*H	Flessione	-	- 15988 9.82	0.843 9	39.00
13	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1327	-	1655	0.801 8	4.83 = 0.010 0*H	Flessione	-	- 16193 9.69	0.882 7	39.50
14	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2290	-	3428	0.668 2	4.83 = 0.010 0*H	Flessione	-	- 16193 9.69	0.882 7	39.50



15	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3278	-	4086	0.802 2	4.83 = 0.010 0*H	Flessi one	-	- 16398 9.56	0.926 2	40.00
16	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1785	-	2675	0.667 5	4.83 = 0.010 0*H	Flessi one	-	- 16398 9.56	0.926 2	40.00
17	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	585	-	681	0.858 4	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.978 1	40.50
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2015	-	2509	0.802 9	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.978 1	40.50
19	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	891	-	1229	0.725 2	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.978 1	40.50
20	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3523	-	4380	0.804 3	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.978 1	40.50
21	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1619	-	2010	0.805 3	4.83 = 0.010 0*H	Flessi one	-	- 16808 9.30	1.048 3	41.00
22	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2914	-	3613	0.806 6	4.83 = 0.010 0*H	Flessi one	-	- 16808 9.30	1.048 3	41.00
23	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2130	-	2116	1.006 7	4.83 = 0.010 0*H	Flessi one	-	- 17013 9.17	1.143 2	41.50
24	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1386	-	1375	1.007 7	4.83 = 0.010 0*H	Flessi one	-	- 17013 9.17	1.143 2	41.50
25	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1387	-	1375	1.008 6	4.83 = 0.010 0*H	Flessi one	-	- 17013 9.17	1.143 2	41.50
26	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4282	-	4232	1.011 7	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.275 3	42.00
27	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4061	-	4008	1.013 2	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.275 3	42.00
28	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1395	-	1375	1.014 5	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.275 3	42.00
29	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1397	-	1375	1.015 5	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.275 3	42.00
30	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2366	-	2328	1.016 6	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.275 3	42.00
31	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	449	-	353	1.272 9	4.83 = 0.010 0*H	Flessi one	-	- 17423 8.91	1.275 3	42.50
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14279	-	45836	0.311 5	2.41 = 0.005 0*H	Taglio	-	- 17423 9	1.275 3	42.50
33	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	20311	-	79641	0.255 0	2.41 = 0.005 0*H	Taglio	-	- 17423 9	1.275 3	42.50
34	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19675	-	77838	0.252 8	2.41 = 0.005 0*H	Taglio	-	- 17423 9	1.275 3	42.50
35	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30565	-	10824 3	0.282 4	2.41 = 0.005 0*H	Taglio	-	- 17423 9	1.275 3	42.50

Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/ cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottu ra	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19604	-	77838	0.251 9	2.41 = 0.005 0*H	Taglio	-	- 11684 2.56	0.369 4	28.50



2	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14635	-	45836	0.319 3	2.41 = 0.005 0*H	Taglio	-	- 12504 2.04	0.399 7	30.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30723	-	10824 3	0.283 8	2.41 = 0.005 0*H	Taglio	-	- 12504 2.04	0.399 7	30.50
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	19820	-	79641	0.248 9	2.41 = 0.005 0*H	Taglio	-	- 12709 1.91	0.415 3	31.00
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2541	-	4261	0.596 4	4.83 = 0.010 0*H	Flessi one	-	- 14964 0.47	0.694 4	36.50
6	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2329	-	4388	0.530 7	4.83 = 0.010 0*H	Flessi one	-	- 15374 0.21	0.748 3	37.50
7	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1669	-	2328	0.717 2	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
8	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2392	-	3407	0.702 0	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
9	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2523	-	3682	0.685 2	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
10	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1311	-	1947	0.673 6	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
11	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1251	-	1883	0.664 1	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
12	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2416	-	3703	0.652 5	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
13	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2177	-	3428	0.635 2	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
14	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1656	-	2675	0.619 0	4.83 = 0.010 0*H	Flessi one	-	- 15988 9.82	0.834 2	39.00
15	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	829	-	1229	0.674 8	4.83 = 0.010 0*H	Flessi one	-	- 16193 9.69	0.878 6	39.50
16	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1405	-	1655	0.848 7	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.970 3	40.50
17	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3403	-	4086	0.832 9	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.970 3	40.50
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2046	-	2509	0.815 3	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.970 3	40.50
19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3491	-	4380	0.797 0	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.970 3	40.50
20	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1566	-	2010	0.779 3	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.970 3	40.50
21	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2755	-	3613	0.762 7	4.83 = 0.010 0*H	Flessi one	-	- 16603 9.43	0.970 3	40.50
22	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	627	-	681	0.920 9	4.83 = 0.010 0*H	Flessi one	-	- 16808 9.30	1.061 4	41.00
23	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2238	-	2116	1.057 4	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.251 7	42.00
24	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1439	-	1375	1.046 5	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.251 7	42.00
25	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1425	-	1375	1.036 2	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.251 7	42.00
26	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4329	-	4232	1.023 0	4.83 = 0.010 0*H	Flessi one	-	- 17218 9.04	1.251 7	42.00



27	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4034	-	4008	1.0066	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2517	42.00
28	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1366	-	1375	0.9934	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2517	42.00
29	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1352	-	1375	0.9827	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2517	42.00
30	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2260	-	2328	0.9710	4.83 = 0.0100*H	Flessione	-	- 172189.04	1.2517	42.00
31	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	483	-	375	1.2873	4.83 = 0.0100*H	Flessione	-	- 174238.91	1.2517	42.50
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14635	-	45836	0.3193	2.41 = 0.0050*H	Taglio	-	- 174239	1.2517	42.50
33	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	19820	-	79641	0.2489	2.41 = 0.0050*H	Taglio	-	- 174239	1.2517	42.50
34	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19604	-	77838	0.2519	2.41 = 0.0050*H	Taglio	-	- 174239	1.2517	42.50
35	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30723	-	108243	0.2838	2.41 = 0.0050*H	Taglio	-	- 174239	1.2517	42.50

Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18861	-	79641	0.2368	2.41 = 0.0050*H	Taglio	-	84044.65	0.3360	20.50
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19072	-	77838	0.2450	2.41 = 0.0050*H	Taglio	-	90194.26	0.3669	22.00
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	28911	-	108243	0.2671	2.41 = 0.0050*H	Taglio	-	96343.87	0.4076	23.50
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13354	-	45836	0.2913	2.41 = 0.0050*H	Taglio	-	106593.21	0.5226	26.00
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2760	-	4388	0.6289	4.83 = 0.0100*H	Flessione	-	118892.43	0.7107	29.00
6	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1606	-	2328	0.6901	4.83 = 0.0100*H	Flessione	-	122992.17	0.7777	30.00
7	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	938	-	1375	0.6818	4.83 = 0.0100*H	Flessione	-	125042.04	0.8125	30.50
8	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	942	-	1375	0.6846	4.83 = 0.0100*H	Flessione	-	125042.04	0.8125	30.50
9	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2707	-	4008	0.6754	4.83 = 0.0100*H	Flessione	-	127091.91	0.8489	31.00
10	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	913	-	1375	0.6638	4.83 = 0.0100*H	Flessione	-	129141.78	0.8879	31.50
11	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2826	-	4232	0.6677	4.83 = 0.0100*H	Flessione	-	129141.78	0.8879	31.50
12	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2665	-	4261	0.6254	4.83 = 0.0100*H	Flessione	-	131191.65	0.9313	32.00
13	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	904	-	1375	0.6573	4.83 = 0.0100*H	Flessione	-	131191.65	0.9313	32.00



14	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1376	-	2116	0.6503	4.83 = 0.0100*H	Flessione	-	133241.52	0.9789	32.50
15	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1824	-	2010	0.9073	4.83 = 0.0100*H	Flessione	-	135291.39	1.0288	33.00
16	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3293	-	3613	0.9115	4.83 = 0.0100*H	Flessione	-	135291.39	1.0288	33.00
17	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2682	-	2675	1.0027	4.83 = 0.0100*H	Flessione	-	137341.26	1.0861	33.50
18	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1194	-	1229	0.9723	4.83 = 0.0100*H	Flessione	-	137341.26	1.0861	33.50
19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3958	-	4380	0.9036	4.83 = 0.0100*H	Flessione	-	137341.26	1.0861	33.50
20	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3654	-	4086	0.8944	4.83 = 0.0100*H	Flessione	-	139391.13	1.1605	34.00
21	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2257	-	2509	0.8994	4.83 = 0.0100*H	Flessione	-	139391.13	1.1605	34.00
22	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3692	-	3703	0.9969	4.83 = 0.0100*H	Flessione	-	139391.13	1.1605	34.00
23	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3433	-	3428	1.0014	4.83 = 0.0100*H	Flessione	-	139391.13	1.1605	34.00
24	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1474	-	1655	0.8902	4.83 = 0.0100*H	Flessione	-	141440.99	1.3017	34.50
25	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3359	-	3407	0.9860	4.83 = 0.0100*H	Flessione	-	141440.99	1.3017	34.50
26	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3647	-	3682	0.9906	4.83 = 0.0100*H	Flessione	-	141440.99	1.3017	34.50
27	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1935	-	1947	0.9937	4.83 = 0.0100*H	Flessione	-	141440.99	1.3017	34.50
28	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1876	-	1883	0.9963	4.83 = 0.0100*H	Flessione	-	141440.99	1.3017	34.50
29	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	239	-	194	1.2357	4.83 = 0.0100*H	Flessione	-	143490.86	1.8871	35.00
30	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	887	-	889	0.9979	4.83 = 0.0100*H	Flessione	-	143490.86	1.8871	35.00
31	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	0	-	2328	0.0000	2.41 = 0.0050*H	Taglio	-	143490.86	1.8871	35.00
32	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	224	-	176	1.2706	4.83 = 0.0100*H	Flessione	-	143490.86	1.8871	35.00
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13354	-	45836	0.2913	2.41 = 0.0050*H	Taglio	-	143490.86	2.5568	35.00
34	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	0	-	2328	0.0000	2.41 = 0.0050*H	Taglio	-	143490.86	2.5568	35.00
35	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18861	-	79641	0.2368	2.41 = 0.0050*H	Taglio	-	143490.86	2.5568	35.00
36	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19072	-	77838	0.2450	2.41 = 0.0050*H	Taglio	-	143490.86	2.5568	35.00
37	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	28911	-	108243	0.2671	2.41 = 0.0050*H	Taglio	-	143490.86	2.5568	35.00



Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daN/cm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18428	-	79641	0.2314	2.41 = 0.0050*H	Taglio	-	81994.78	0.3266	20.00
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19003	-	77838	0.2441	2.41 = 0.0050*H	Taglio	-	90194.26	0.3671	22.00
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	29072	-	108243	0.2686	2.41 = 0.0050*H	Taglio	-	96343.87	0.4070	23.50
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13779	-	45836	0.3006	2.41 = 0.0050*H	Taglio	-	106593.21	0.5205	26.00
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2635	-	4388	0.6005	4.83 = 0.0100*H	Flessione	-	116842.56	0.6768	28.50
6	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1494	-	2328	0.6418	4.83 = 0.0100*H	Flessione	-	120942.30	0.7435	29.50
7	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	894	-	1375	0.6500	4.83 = 0.0100*H	Flessione	-	122992.17	0.7781	30.00
8	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	904	-	1375	0.6574	4.83 = 0.0100*H	Flessione	-	125042.04	0.8134	30.50
9	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2676	-	4008	0.6677	4.83 = 0.0100*H	Flessione	-	127091.91	0.8496	31.00
10	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2884	-	4232	0.6814	4.83 = 0.0100*H	Flessione	-	129141.78	0.8884	31.50
11	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	952	-	1375	0.6924	4.83 = 0.0100*H	Flessione	-	131191.65	0.9306	32.00
12	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2799	-	4261	0.6569	4.83 = 0.0100*H	Flessione	-	133241.52	0.9738	32.50
13	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	963	-	1375	0.7004	4.83 = 0.0100*H	Flessione	-	133241.52	0.9738	32.50
14	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3132	-	3613	0.8668	4.83 = 0.0100*H	Flessione	-	133241.52	0.9738	32.50
15	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1501	-	2116	0.7095	4.83 = 0.0100*H	Flessione	-	135291.39	1.0254	33.00
16	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2540	-	2675	0.9497	4.83 = 0.0100*H	Flessione	-	135291.39	1.0254	33.00
17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1141	-	1229	0.9289	4.83 = 0.0100*H	Flessione	-	135291.39	1.0254	33.00
18	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1771	-	2010	0.8809	4.83 = 0.0100*H	Flessione	-	135291.39	1.0254	33.00
19	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3307	-	3428	0.9646	4.83 = 0.0100*H	Flessione	-	137341.26	1.0897	33.50
20	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3925	-	4380	0.8962	4.83 = 0.0100*H	Flessione	-	137341.26	1.0897	33.50
21	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2289	-	2509	0.9122	4.83 = 0.0100*H	Flessione	-	139391.13	1.1742	34.00
22	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1864	-	1883	0.9897	4.83 = 0.0100*H	Flessione	-	139391.13	1.1742	34.00
23	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3631	-	3703	0.9805	4.83 = 0.0100*H	Flessione	-	139391.13	1.1742	34.00



24	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	1060	-	1184	0.8955	4.83 = 0.0100*H	Flessione	-	141440.99	1.2957	34.50
25	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1558	-	1655	0.9411	4.83 = 0.0100*H	Flessione	-	141440.99	1.2957	34.50
26	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3791	-	4086	0.9278	4.83 = 0.0100*H	Flessione	-	141440.99	1.2957	34.50
27	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3714	-	3682	1.0088	4.83 = 0.0100*H	Flessione	-	141440.99	1.2957	34.50
28	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1946	-	1947	0.9996	4.83 = 0.0100*H	Flessione	-	141440.99	1.2957	34.50
29	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	0	-	2328	0.0000	2.41 = 0.0050*H	Taglio	-	143490.86	1.6503	35.00
30	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	0	-	3407	0.0000	2.41 = 0.0050*H	Taglio	-	143490.86	1.6503	35.00
31	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	221	-	176	1.2559	4.83 = 0.0100*H	Flessione	-	143490.86	1.6503	35.00
32	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	343	-	375	0.9144	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13779	-	45836	0.3006	2.41 = 0.0050*H	Taglio	-	145541	1.6503	35.50
34	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2799	-	4261	0.6569	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
35	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	1501	-	2116	0.7095	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	963	-	1375	0.7004	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
37	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	952	-	1375	0.6924	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
38	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	2884	-	4232	0.6814	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
39	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	1060	-	1184	0.8955	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
40	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1558	-	1655	0.9411	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
41	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3791	-	4086	0.9278	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
42	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2289	-	2509	0.9122	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
43	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	0	-	2328	0.0000	2.41 = 0.0050*H	Taglio	-	145541	1.6503	35.50
44	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	0	-	3407	0.0000	2.41 = 0.0050*H	Taglio	-	145541	1.6503	35.50
45	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	3714	-	3682	1.0088	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
46	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1946	-	1947	0.9996	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
47	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1864	-	1883	0.9897	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
48	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	3631	-	3703	0.9805	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50



49	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	3307	-	3428	0.9646	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
50	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	2540	-	2675	0.9497	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
51	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2635	-	4388	0.6005	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
52	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	1141	-	1229	0.9289	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
53	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18428	-	79641	0.2314	2.41 = 0.0050*H	Taglio	-	145541	1.6503	35.50
54	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3925	-	4380	0.8962	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
55	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1771	-	2010	0.8809	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
56	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	3132	-	3613	0.8668	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
57	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	2676	-	4008	0.6677	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	904	-	1375	0.6574	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
59	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	894	-	1375	0.6500	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
60	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	1494	-	2328	0.6418	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
61	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	221	-	176	1.2559	4.83 = 0.0100*H	Flessione	-	145541	1.6503	35.50
62	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19003	-	77838	0.2441	2.41 = 0.0050*H	Taglio	-	145541	1.6503	35.50
63	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	29072	-	108243	0.2686	2.41 = 0.0050*H	Taglio	-	145541	1.6503	35.50

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc/m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_a$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13436	-	45836	0.2931	2.41 = 0.0050*H	Taglio	-	94294.00	0.3769	23.00
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19060	-	77838	0.2449	2.41 = 0.0050*H	Taglio	-	94294.00	0.3769	23.00
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	28910	-	108243	0.2671	2.41 = 0.0050*H	Taglio	-	96343.87	0.3882	23.50
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18770	-	79641	0.2357	2.41 = 0.0050*H	Taglio	-	100443.60	0.4274	24.50
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2660	-	4261	0.6242	4.83 = 0.0100*H	Flessione	-	120942.30	0.7384	29.50
6	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1413	-	2116	0.6678	4.83 = 0.0100*H	Flessione	-	122992.17	0.7714	30.00
7	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	918	-	1375	0.6673	4.83 = 0.0100*H	Flessione	-	125042.04	0.8055	30.50



8	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	922	-	1375	0.670 2	4.83 = 0.010 0*H	Flessi one	-	12504 2.04	0.805 5	30.50
9	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2839	-	4232	0.670 7	4.83 = 0.010 0*H	Flessi one	-	12709 1.91	0.841 1	31.00
10	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2777	-	4388	0.632 7	4.83 = 0.010 0*H	Flessi one	-	12914 1.78	0.879 4	31.50
11	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2695	-	4008	0.672 5	4.83 = 0.010 0*H	Flessi one	-	12914 1.78	0.879 4	31.50
12	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	930	-	1375	0.676 3	4.83 = 0.010 0*H	Flessi one	-	12914 1.78	0.879 4	31.50
13	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	931	-	1375	0.676 8	4.83 = 0.010 0*H	Flessi one	-	13119 1.65	0.924 9	32.00
14	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1583	-	2328	0.680 3	4.83 = 0.010 0*H	Flessi one	-	13119 1.65	0.924 9	32.00
15	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1472	-	1655	0.889 2	4.83 = 0.010 0*H	Flessi one	-	13529 1.39	1.023 5	33.00
16	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3651	-	4086	0.893 5	4.83 = 0.010 0*H	Flessi one	-	13529 1.39	1.023 5	33.00
17	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1506	-	2014	0.748 1	4.83 = 0.010 0*H	Flessi one	-	13529 1.39	1.023 5	33.00
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2255	-	2509	0.898 7	4.83 = 0.010 0*H	Flessi one	-	13734 1.26	1.082 8	33.50
19	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2276	-	2328	0.977 9	4.83 = 0.010 0*H	Flessi one	-	13734 1.26	1.082 8	33.50
20	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3352	-	3407	0.983 9	4.83 = 0.010 0*H	Flessi one	-	13939 1.13	1.151 2	34.00
21	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3639	-	3682	0.988 4	4.83 = 0.010 0*H	Flessi one	-	13939 1.13	1.151 2	34.00
22	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3962	-	4380	0.904 4	4.83 = 0.010 0*H	Flessi one	-	13939 1.13	1.151 2	34.00
23	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1828	-	2010	0.909 3	4.83 = 0.010 0*H	Flessi one	-	13939 1.13	1.151 2	34.00
24	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	782	-	681	1.148 2	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	1.271 2	34.50
25	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1935	-	1947	0.993 8	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	1.271 2	34.50
26	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1876	-	1883	0.996 3	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	1.271 2	34.50
27	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3701	-	3703	0.999 5	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	1.271 2	34.50
28	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3442	-	3428	1.004 1	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	1.271 2	34.50
29	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3305	-	3613	0.914 8	4.83 = 0.010 0*H	Flessi one	-	14144 0.99	1.271 2	34.50
30	Maschio (P)	Piano 3	1 - 2	537.0	387.0	45.0	14491	-	93525	0.154 9	1.93 = 0.005 0*H	Taglio	-	14144 0.99	1.271 2	34.50
31	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	239	-	194	1.235 6	4.83 = 0.010 0*H	Flessi one	-	14349 0.86	1.959 9	35.00
32	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	0	-	2675	0.000 0	2.41 = 0.005 0*H	Taglio	-	14349 0.86	1.959 9	35.00



33	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	224	-	176	1.2705	4.83 = 0.0100*H	Flessione	-	143490.86	1.9599	35.00
34	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13436	-	45836	0.2931	2.41 = 0.0050*H	Taglio	-	143490.86	2.5551	35.00
35	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	0	-	2675	0.0000	2.41 = 0.0050*H	Taglio	-	143490.86	2.5551	35.00
36	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18770	-	79641	0.2357	2.41 = 0.0050*H	Taglio	-	143490.86	2.5551	35.00
37	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19060	-	77838	0.2449	2.41 = 0.0050*H	Taglio	-	143490.86	2.5551	35.00
38	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	28910	-	108243	0.2671	2.41 = 0.0050*H	Taglio	-	143490.86	2.5551	35.00

Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	18987	-	77838	0.2439	2.41 = 0.0050*H	Taglio	-	94294.00	0.3816	23.00
2	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	13805	-	45836	0.3012	2.41 = 0.0050*H	Taglio	-	96343.87	0.3912	23.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	29054	-	108243	0.2684	2.41 = 0.0050*H	Taglio	-	98393.74	0.4027	24.00
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	18222	-	79641	0.2288	2.41 = 0.0050*H	Taglio	-	100443.60	0.4227	24.50
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2784	-	4261	0.6535	4.83 = 0.0100*H	Flessione	-	122992.17	0.7666	30.00
6	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	1522	-	2116	0.7194	4.83 = 0.0100*H	Flessione	-	127091.91	0.8332	31.00
7	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	974	-	1375	0.7082	4.83 = 0.0100*H	Flessione	-	127091.91	0.8332	31.00
8	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	956	-	1375	0.6950	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
9	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	2884	-	4232	0.6814	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
10	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2643	-	4388	0.6024	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
11	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	2664	-	4008	0.6646	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
12	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	895	-	1375	0.6511	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
13	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	881	-	1375	0.6402	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
14	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	1462	-	2328	0.6283	4.83 = 0.0100*H	Flessione	-	129141.78	0.8684	31.50
15	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1555	-	1655	0.9391	4.83 = 0.0100*H	Flessione	-	137341.26	1.0676	33.50
16	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3783	-	4086	0.9259	4.83 = 0.0100*H	Flessione	-	137341.26	1.0676	33.50



17	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2289	-	2509	0.912 2	4.83 = 0.010 0*H	Flessione	-	13939 1.13	1.124 8	34.00
18	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	1253	-	1491	0.840 7	4.83 = 0.010 0*H	Flessione	-	13939 1.13	1.124 8	34.00
19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3929	-	4380	0.896 9	4.83 = 0.010 0*H	Flessione	-	13939 1.13	1.124 8	34.00
20	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1773	-	2010	0.882 0	4.83 = 0.010 0*H	Flessione	-	13939 1.13	1.124 8	34.00
21	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	3137	-	3613	0.868 2	4.83 = 0.010 0*H	Flessione	-	13939 1.13	1.124 8	34.00
22	Maschio (P)	Piano 3	1 - 2	537.0	387.0	45.0	14733	-	93525	0.157 5	1.93 = 0.005 0*H	Taglio	-	13939 1.13	1.124 8	34.00
23	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	2408	-	2328	1.034 5	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
24	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	3483	-	3407	1.022 4	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
25	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	3715	-	3682	1.008 9	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
26	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1946	-	1947	0.999 7	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
27	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1868	-	1883	0.992 1	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
28	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	3640	-	3703	0.982 9	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
29	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	3322	-	3428	0.969 0	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
30	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	2557	-	2675	0.956 1	4.83 = 0.010 0*H	Flessione	-	14144 0.99	1.216 0	34.50
31	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	262	-	194	1.353 4	4.83 = 0.010 0*H	Flessione	-	14349 0.86	1.216 0	35.00
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	13805	-	45836	0.301 2	2.41 = 0.005 0*H	Taglio	-	14349 1	1.216 0	35.00
33	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	18222	-	79641	0.228 8	2.41 = 0.005 0*H	Taglio	-	14349 1	1.216 0	35.00
34	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	18987	-	77838	0.243 9	2.41 = 0.005 0*H	Taglio	-	14349 1	1.216 0	35.00
35	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	29054	-	108243	0.268 4	2.41 = 0.005 0*H	Taglio	-	14349 1	1.216 0	35.00

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	20251	-	79641	0.254 3	2.41 = 0.005 0*H	Taglio	-	- 90194 .26	0.357 1	22.00
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19696	-	77838	0.253 0	2.41 = 0.005 0*H	Taglio	-	- 94294 .00	0.377 3	23.00
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30648	-	108243	0.283 1	2.41 = 0.005 0*H	Taglio	-	- 10249 3.47	0.430 3	25.00



4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14334	-	45836	0.3127	2.41 = 0.0050*H	Taglio	-	- 112742.82	0.5436	27.50
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2463	-	4388	0.5613	4.83 = 0.0100*H	Flessione	-	- 118892.43	0.6373	29.00
6	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2263	-	3428	0.6601	4.83 = 0.0100*H	Flessione	-	- 127091.91	0.7705	31.00
7	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1770	-	2675	0.6616	4.83 = 0.0100*H	Flessione	-	- 127091.91	0.7705	31.00
8	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2428	-	3703	0.6558	4.83 = 0.0100*H	Flessione	-	- 129141.78	0.8073	31.50
9	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	885	-	1229	0.7202	4.83 = 0.0100*H	Flessione	-	- 129141.78	0.8073	31.50
10	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2377	-	4261	0.5580	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8475	32.00
11	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1267	-	1947	0.6508	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8475	32.00
12	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1228	-	1883	0.6518	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8475	32.00
13	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2196	-	3407	0.6445	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.8935	32.50
14	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2380	-	3682	0.6465	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.8935	32.50
15	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2907	-	3613	0.8047	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.8935	32.50
16	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1488	-	2328	0.6394	4.83 = 0.0100*H	Flessione	-	- 135291.39	0.9523	33.00
17	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1613	-	2010	0.8022	4.83 = 0.0100*H	Flessione	-	- 135291.39	0.9523	33.00
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2000	-	2509	0.7969	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0184	33.50
19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3501	-	4380	0.7993	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0184	33.50
20	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1310	-	1655	0.7911	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1022	34.00
21	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3242	-	4086	0.7935	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1022	34.00
22	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2401	-	2328	1.0315	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1022	34.00
23	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	565	-	681	0.8301	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2285	34.50
24	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4125	-	4008	1.0293	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2285	34.50
25	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1418	-	1375	1.0312	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2285	34.50
26	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1420	-	1375	1.0327	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2285	34.50
27	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2167	-	2116	1.0242	4.83 = 0.0100*H	Flessione	-	- 143490.86	1.4664	35.00
28	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1411	-	1375	1.0259	4.83 = 0.0100*H	Flessione	-	- 143490.86	1.4664	35.00



29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1413	-	1375	1.0275	4.83 = 0.0100*H	Flessione	-	- 143490.86	1.4664	35.00
30	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	0	-	4232	0.0000	2.41 = 0.0050*H	Taglio	-	- 143490.86	1.4664	35.00
31	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	427	-	341	1.2530	4.83 = 0.0100*H	Flessione	-	- 143490.86	1.4664	35.00
32	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	467	-	375	1.2462	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14334	-	45836	0.3127	2.41 = 0.0050*H	Taglio	-	- 145541	1.4664	35.50
34	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2377	-	4261	0.5580	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
35	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	2167	-	2116	1.0242	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	1411	-	1375	1.0259	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
37	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	1413	-	1375	1.0275	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
38	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	0	-	4232	0.0000	2.41 = 0.0050*H	Taglio	-	- 145541	1.4664	35.50
39	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	565	-	681	0.8301	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
40	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1310	-	1655	0.7911	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
41	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3242	-	4086	0.7935	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
42	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2000	-	2509	0.7969	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
43	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	1488	-	2328	0.6394	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
44	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	2196	-	3407	0.6445	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
45	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	2380	-	3682	0.6465	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
46	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1267	-	1947	0.6508	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
47	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1228	-	1883	0.6518	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
48	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	2428	-	3703	0.6558	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
49	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	2263	-	3428	0.6601	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
50	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	1770	-	2675	0.6616	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
51	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2463	-	4388	0.5613	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
52	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	885	-	1229	0.7202	4.83 = 0.0100*H	Flessione	-	- 145541	1.4664	35.50
53	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	20251	-	79641	0.2543	2.41 = 0.0050*H	Taglio	-	- 145541	1.4664	35.50



54	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3501	-	4380	0.7993	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
55	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1613	-	2010	0.8022	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
56	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	2907	-	3613	0.8047	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
57	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	4125	-	4008	1.0293	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	1418	-	1375	1.0312	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
59	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	1420	-	1375	1.0327	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
60	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	2401	-	2328	1.0315	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
61	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	427	-	341	1.2530	4.83 = 0.0100*H	Flessione	-	-145541	1.4664	35.50
62	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19696	-	77838	0.2530	2.41 = 0.0050*H	Taglio	-	-145541	1.4664	35.50
63	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30648	-	108243	0.2831	2.41 = 0.0050*H	Taglio	-	-145541	1.4664	35.50

Cond\_Y 2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNc m]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	19785	-	79641	0.2484	2.41 = 0.0050*H	Taglio	-	-88144.39	0.3519	21.50
2	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19619	-	77838	0.2521	2.41 = 0.0050*H	Taglio	-	-92244.13	0.3725	22.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30809	-	108243	0.2846	2.41 = 0.0050*H	Taglio	-	-102493.47	0.4402	25.00
4	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14767	-	45836	0.3222	2.41 = 0.0050*H	Taglio	-	-114792.69	0.5780	28.00
5	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2324	-	4388	0.5296	4.83 = 0.0100*H	Flessione	-	-116842.56	0.6092	28.50
6	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1638	-	2675	0.6123	4.83 = 0.0100*H	Flessione	-	-122992.17	0.7093	30.00
7	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2145	-	3428	0.6257	4.83 = 0.0100*H	Flessione	-	-125042.04	0.7441	30.50
8	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	821	-	1229	0.6684	4.83 = 0.0100*H	Flessione	-	-125042.04	0.7441	30.50
9	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2373	-	3703	0.6407	4.83 = 0.0100*H	Flessione	-	-127091.91	0.7819	31.00
10	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1224	-	1883	0.6500	4.83 = 0.0100*H	Flessione	-	-129141.78	0.8223	31.50
11	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1280	-	1947	0.6574	4.83 = 0.0100*H	Flessione	-	-131191.65	0.8640	32.00
12	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2738	-	3613	0.7580	4.83 = 0.0100*H	Flessione	-	-131191.65	0.8640	32.00



13	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2530	-	4261	0.5937	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.9111	32.50
14	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2456	-	3682	0.6671	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.9111	32.50
15	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1556	-	2010	0.7742	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.9111	32.50
16	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2327	-	3407	0.6830	4.83 = 0.0100*H	Flessione	-	- 135291.39	0.9687	33.00
17	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3469	-	4380	0.7920	4.83 = 0.0100*H	Flessione	-	- 135291.39	0.9687	33.00
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2035	-	2509	0.8108	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0404	33.50
19	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1623	-	2328	0.6974	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0404	33.50
20	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2282	-	2328	0.9804	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0404	33.50
21	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3388	-	4086	0.8291	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1339	34.00
22	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1383	-	1375	1.0058	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1339	34.00
23	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1368	-	1375	0.9947	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1339	34.00
24	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4399	-	4232	1.0393	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2694	34.50
25	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	616	-	681	0.9049	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2694	34.50
26	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1400	-	1655	0.8459	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2694	34.50
27	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4096	-	4008	1.0221	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2694	34.50
28	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	0	-	2116	0.0000	2.41 = 0.0050*H	Taglio	-	- 143490.86	1.6916	35.00
29	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 143490.86	1.6916	35.00
30	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 143490.86	1.6916	35.00
31	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	424	-	341	1.2452	4.83 = 0.0100*H	Flessione	-	- 143490.86	1.6916	35.00
32	Maschio (C)	Piano 2	1 - 2	40.0	483.0	55.0	491	-	375	1.3086	4.83 = 0.0100*H	Flessione	-	- 145541	1.6916	35.50
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14767	-	45836	0.3222	2.41 = 0.0050*H	Taglio	-	- 145541	1.6916	35.50
34	Maschio (C)	Piano 2	1 - 3	119.3	483.0	55.0	2530	-	4261	0.5937	4.83 = 0.0100*H	Flessione	-	- 145541	1.6916	35.50
35	Maschio (C)	Piano 2	1 - 8	100.0	483.0	55.0	0	-	2116	0.0000	2.41 = 0.0050*H	Taglio	-	- 145541	1.6916	35.50
36	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 145541	1.6916	35.50
37	Maschio (C)	Piano 2	1 - 8	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 145541	1.6916	35.50



38	Maschio (C)	Piano 2	1 - 7	200.0	483.0	55.0	4399	-	4232	1.039 3	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
39	Maschio (C)	Piano 2	2 - 3	61.4	483.0	55.0	616	-	681	0.904 9	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
40	Maschio (C)	Piano 2	2 - 9	126.0	483.0	50.0	1400	-	1655	0.845 9	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
41	Maschio (C)	Piano 2	2 - 9	311.0	483.0	50.0	3388	-	4086	0.829 1	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
42	Maschio (C)	Piano 2	2 - 10	191.0	483.0	50.0	2035	-	2509	0.810 8	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
43	Maschio (C)	Piano 2	3 - 4	110.0	483.0	55.0	1623	-	2328	0.697 4	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
44	Maschio (C)	Piano 2	3 - 4	161.0	483.0	55.0	2327	-	3407	0.683 0	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
45	Maschio (C)	Piano 2	3 - 4	174.0	483.0	55.0	2456	-	3682	0.667 1	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
46	Maschio (C)	Piano 2	3 - 4	92.0	483.0	55.0	1280	-	1947	0.657 4	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
47	Maschio (C)	Piano 2	3 - 4	89.0	483.0	55.0	1224	-	1883	0.650 0	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
48	Maschio (C)	Piano 2	3 - 4	175.0	483.0	55.0	2373	-	3703	0.640 7	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
49	Maschio (C)	Piano 2	3 - 4	162.0	483.0	55.0	2145	-	3428	0.625 7	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
50	Maschio (C)	Piano 2	3 - 4	126.4	483.0	55.0	1638	-	2675	0.612 3	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
51	Maschio (C)	Piano 2	6 - 4	120.3	483.0	55.0	2324	-	4388	0.529 6	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
52	Maschio (C)	Piano 2	5 - 4	75.4	483.0	55.0	821	-	1229	0.668 4	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
53	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	19785	-	79641	0.248 4	2.41 = 0.005 0*H	Taglio	-	- 14554 1	1.691 6	35.50
54	Maschio (C)	Piano 2	9 - 5	333.4	483.0	50.0	3469	-	4380	0.792 0	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
55	Maschio (C)	Piano 2	10 - 5	153.0	483.0	50.0	1556	-	2010	0.774 2	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
56	Maschio (C)	Piano 2	10 - 5	275.0	483.0	50.0	2738	-	3613	0.758 0	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
57	Maschio (C)	Piano 2	8 - 6	189.4	483.0	55.0	4096	-	4008	1.022 1	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
58	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	1383	-	1375	1.005 8	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
59	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	1368	-	1375	0.994 7	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
60	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	2282	-	2328	0.980 4	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
61	Maschio (C)	Piano 2	7 - 10	40.0	483.0	50.0	424	-	341	1.245 2	4.83 = 0.010 0*H	Flessi one	-	- 14554 1	1.691 6	35.50
62	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19619	-	77838	0.252 1	2.41 = 0.005 0*H	Taglio	-	- 14554 1	1.691 6	35.50



63	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30809	-	108243	0.2846	2.41 = 0.0050*H	Taglio	-	-145541	1.6916	35.50
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Cond\_Y 2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19711	-	77838	0.2532	2.41 = 0.0050*H	Taglio	-	-98393.74	0.3905	24.00
2	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14305	-	45836	0.3121	2.41 = 0.0050*H	Taglio	-	-100443.60	0.4000	24.50
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30649	-	108243	0.2832	2.41 = 0.0050*H	Taglio	-	-102493.47	0.4113	25.00
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	20416	-	79641	0.2564	2.41 = 0.0050*H	Taglio	-	-106593.21	0.4507	26.00
5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2395	-	4261	0.5622	4.83 = 0.0100*H	Flessione	-	-120942.30	0.6681	29.50
6	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1518	-	2328	0.6520	4.83 = 0.0100*H	Flessione	-	-127091.91	0.7672	31.00
7	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2216	-	3407	0.6504	4.83 = 0.0100*H	Flessione	-	-129141.78	0.8015	31.50
8	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2401	-	3682	0.6522	4.83 = 0.0100*H	Flessione	-	-129141.78	0.8015	31.50
9	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2455	-	4388	0.5596	4.83 = 0.0100*H	Flessione	-	-129141.78	0.8015	31.50
10	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1266	-	1947	0.6505	4.83 = 0.0100*H	Flessione	-	-131191.65	0.8426	32.00
11	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1227	-	1883	0.6516	4.83 = 0.0100*H	Flessione	-	-131191.65	0.8426	32.00
12	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2418	-	3703	0.6529	4.83 = 0.0100*H	Flessione	-	-131191.65	0.8426	32.00
13	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1315	-	1655	0.7946	4.83 = 0.0100*H	Flessione	-	-133241.52	0.8901	32.50
14	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2236	-	3428	0.6523	4.83 = 0.0100*H	Flessione	-	-133241.52	0.8901	32.50
15	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1750	-	2675	0.6542	4.83 = 0.0100*H	Flessione	-	-133241.52	0.8901	32.50
16	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	572	-	681	0.8397	4.83 = 0.0100*H	Flessione	-	-135291.39	0.9468	33.00
17	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3250	-	4086	0.7955	4.83 = 0.0100*H	Flessione	-	-135291.39	0.9468	33.00
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	1999	-	2509	0.7968	4.83 = 0.0100*H	Flessione	-	-137341.26	1.0118	33.50
19	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	876	-	1229	0.7127	4.83 = 0.0100*H	Flessione	-	-137341.26	1.0118	33.50
20	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3501	-	4380	0.7992	4.83 = 0.0100*H	Flessione	-	-137341.26	1.0118	33.50
21	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1611	-	2010	0.8015	4.83 = 0.0100*H	Flessione	-	-137341.26	1.0118	33.50



22	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2902	-	3613	0.8032	4.83 = 0.0100*H	Flessione	-	- 13939 1.13	1.1049	34.00
23	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2163	-	2116	1.0222	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	1.2197	34.50
24	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1408	-	1375	1.0238	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	1.2197	34.50
25	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1410	-	1375	1.0253	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	1.2197	34.50
26	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4347	-	4232	1.0272	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	1.2197	34.50
27	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4126	-	4008	1.0295	4.83 = 0.0100*H	Flessione	-	- 14144 0.99	1.2197	34.50
28	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	454	-	353	1.2870	4.83 = 0.0100*H	Flessione	-	- 14349 0.86	1.6029	35.00
29	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	1.6029	35.00
30	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	1.6029	35.00
31	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	0	-	2328	0.0000	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	1.6029	35.00
32	Maschio (P)	Piano 2	7 - 10	40.0	483.0	50.0	427	-	341	1.2532	4.83 = 0.0100*H	Flessione	-	- 14349 0.86	1.6029	35.00
33	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14305	-	45836	0.3121	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00
34	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	20416	-	79641	0.2564	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00
35	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00
36	Maschio (C)	Piano 2	7 - 6	65.0	483.0	55.0	0	-	1375	0.0000	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00
37	Maschio (C)	Piano 2	7 - 6	110.0	483.0	55.0	0	-	2328	0.0000	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00
38	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19711	-	77838	0.2532	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00
39	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30649	-	108243	0.2832	2.41 = 0.0050*H	Taglio	-	- 14349 0.86	2.5467	35.00

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Num. Prog.	Tipo Elem.	Imp.	Fili	L [cm]	H [cm]	t [cm]	Vu [daN]	Mu [daNcm]	k [daN/cm]	$\delta_0$ [cm]	$\delta_u$ [cm]	Tipo Rottura	$\theta$ [rad]	F [daN]	u [cm]	S
1	Maschio (P)	Piano 2	7 - 10	538.3	483.0	50.0	19632	-	77838	0.2522	2.41 = 0.0050*H	Taglio	-	- 96343 .87	0.3827	23.50
2	Maschio (P)	Piano 2	1 - 2	355.0	483.0	55.0	14692	-	45836	0.3205	2.41 = 0.0050*H	Taglio	-	- 10249 3.47	0.4112	25.00
3	Maschio (P)	Piano 2	8 - 9	693.3	483.0	50.0	30810	-	108243	0.2846	2.41 = 0.0050*H	Taglio	-	- 10249 3.47	0.4112	25.00
4	Maschio (P)	Piano 2	6 - 5	510.0	483.0	55.0	19871	-	79641	0.2495	2.41 = 0.0050*H	Taglio	-	- 10454 3.34	0.4307	25.50



5	Maschio (P)	Piano 2	1 - 3	119.3	483.0	55.0	2535	-	4261	0.5950	4.83 = 0.0100*H	Flessione	-	- 122992.17	0.7114	30.00
6	Maschio (P)	Piano 2	6 - 4	120.3	483.0	55.0	2307	-	4388	0.5257	4.83 = 0.0100*H	Flessione	-	- 125042.04	0.7445	30.50
7	Maschio (P)	Piano 2	3 - 4	162.0	483.0	55.0	2123	-	3428	0.6193	4.83 = 0.0100*H	Flessione	-	- 129141.78	0.8148	31.50
8	Maschio (P)	Piano 2	3 - 4	126.4	483.0	55.0	1611	-	2675	0.6021	4.83 = 0.0100*H	Flessione	-	- 129141.78	0.8148	31.50
9	Maschio (P)	Piano 2	3 - 4	110.0	483.0	55.0	1638	-	2328	0.7039	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8537	32.00
10	Maschio (P)	Piano 2	3 - 4	161.0	483.0	55.0	2343	-	3407	0.6877	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8537	32.00
11	Maschio (P)	Piano 2	3 - 4	174.0	483.0	55.0	2466	-	3682	0.6696	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8537	32.00
12	Maschio (P)	Piano 2	3 - 4	92.0	483.0	55.0	1280	-	1947	0.6573	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8537	32.00
13	Maschio (P)	Piano 2	3 - 4	89.0	483.0	55.0	1219	-	1883	0.6471	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8537	32.00
14	Maschio (P)	Piano 2	3 - 4	175.0	483.0	55.0	2350	-	3703	0.6347	4.83 = 0.0100*H	Flessione	-	- 131191.65	0.8537	32.00
15	Maschio (P)	Piano 2	5 - 4	75.4	483.0	55.0	807	-	1229	0.6568	4.83 = 0.0100*H	Flessione	-	- 133241.52	0.9081	32.50
16	Maschio (P)	Piano 2	2 - 9	126.0	483.0	50.0	1401	-	1655	0.8465	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0205	33.50
17	Maschio (P)	Piano 2	2 - 9	311.0	483.0	50.0	3389	-	4086	0.8295	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0205	33.50
18	Maschio (P)	Piano 2	2 - 10	191.0	483.0	50.0	2034	-	2509	0.8107	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0205	33.50
19	Maschio (P)	Piano 2	9 - 5	333.4	483.0	50.0	3465	-	4380	0.7911	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0205	33.50
20	Maschio (P)	Piano 2	10 - 5	153.0	483.0	50.0	1552	-	2010	0.7720	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0205	33.50
21	Maschio (P)	Piano 2	10 - 5	275.0	483.0	50.0	2725	-	3613	0.7542	4.83 = 0.0100*H	Flessione	-	- 137341.26	1.0205	33.50
22	Maschio (P)	Piano 2	2 - 3	61.4	483.0	55.0	618	-	681	0.9068	4.83 = 0.0100*H	Flessione	-	- 139391.13	1.1308	34.00
23	Maschio (P)	Piano 2	1 - 8	100.0	483.0	55.0	2276	-	2116	1.0758	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50
24	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1464	-	1375	1.0643	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50
25	Maschio (P)	Piano 2	1 - 8	65.0	483.0	55.0	1449	-	1375	1.0535	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50
26	Maschio (P)	Piano 2	1 - 7	200.0	483.0	55.0	4399	-	4232	1.0395	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50
27	Maschio (P)	Piano 2	8 - 6	189.4	483.0	55.0	4097	-	4008	1.0223	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50
28	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1387	-	1375	1.0083	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50
29	Maschio (P)	Piano 2	7 - 6	65.0	483.0	55.0	1371	-	1375	0.9971	4.83 = 0.0100*H	Flessione	-	- 141440.99	1.2458	34.50



30	Maschio (P)	Piano 2	7 - 6	110.0	483.0	55.0	2292	-	2328	0.9848	4.83 = 0.0100*H	Flessione	-	-141440.99	1.2458	34.50
31	Maschio (P)	Piano 2	1 - 2	40.0	483.0	55.0	490	-	375	1.3060	4.83 = 0.0100*H	Flessione	-	-143490.86	1.2458	35.00
32	Maschio (C)	Piano 2	1 - 2	355.0	483.0	55.0	14692	-	45836	0.3205	2.41 = 0.0050*H	Taglio	-	-143491	1.2458	35.00
33	Maschio (C)	Piano 2	6 - 5	510.0	483.0	55.0	19871	-	79641	0.2495	2.41 = 0.0050*H	Taglio	-	-143491	1.2458	35.00
34	Maschio (C)	Piano 2	7 - 10	538.3	483.0	50.0	19632	-	77838	0.2522	2.41 = 0.0050*H	Taglio	-	-143491	1.2458	35.00
35	Maschio (C)	Piano 2	8 - 9	693.3	483.0	50.0	30810	-	108243	0.2846	2.41 = 0.0050*H	Taglio	-	-143491	1.2458	35.00

#### 4.2.5 Sistema bi-lineare equivalente. SLV

**Tabella 6.I**

$T^*$	: periodo elastico del sistema bi-lineare equivalente
$k^*$	: rigidezza secante del sistema bi-lineare equivalente
$m^*$	: massa partecipante del sistema bi-lineare equivalente
$m$	: massa della struttura.
% $m_1$	: percentuale massa partecipante della prima forma modale.
$F_y^*$	: forza di snervamento del sistema bi-lineare equivalente
$d_y^*$	: spostamento elastico del sistema bi-lineare equivalente
$d_u^*$	: spostamento ultimo del sistema bi-lineare equivalente
Cond_X_1(+); E(+); S2(+)	: 1) - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(+); S2(-) : 2)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(-); S2(+) : 3)	- Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(+); E(-); S2(-) : 4)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(+); S2(+) : 5)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(+); S2(-) : 6)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(-); S2(+) : 7)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(-); S2(-) : 8)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(+); S2(+)	: 9) - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(+); S2(-) : 10)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(-); S2(+) : 11)	- Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(-); S2(-) : 12)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(+); S2(+) : 13)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(+); S2(-) : 14)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(-); S2(+) : 15)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(-); S2(-) : 16)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)



Cond\_Y\_1(+); E(+); S2(+) : 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(+); E(-); S2(-) : 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(-); E(+); S2(+) : 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(-); E(+); S2(-) : 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(-); E(-); S2(+) : 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

	T* [sec]	k* [daN/cm]	m* [daNm]	m [daNm]	% m1	F* <sub>y</sub> [daN]	d* <sub>y</sub> [cm]	d* <sub>o</sub> [cm]
Cond_X_1(+); E(+); S2(+)	0.3321	266790.19	745.32	1061.4	64.08	163344.41	0.6123	1.8098
Cond_X_1(+); E(+); S2(-)	0.3313	267310.25	743.03	1061.4	63.91	161204.48	0.6031	1.8085
Cond_X_1(+); E(-); S2(+)	0.3316	267609.63	745.34	1061.4	64.09	162000.44	0.6054	1.8090
Cond_X_1(+); E(-); S2(-)	0.3315	266976.78	743.00	1061.4	63.91	161367.72	0.6044	1.8086
Cond_X_1(-); E(+); S2(+)	0.3326	264209.56	740.45	1061.4	64.13	162371.08	0.6146	1.8059
Cond_X_1(-); E(+); S2(-)	0.3322	264712.88	740.14	1061.4	63.98	160618.09	0.6068	1.8056
Cond_X_1(-); E(-); S2(+)	0.3329	263839.72	740.46	1061.4	64.14	162051.83	0.6142	1.8057
Cond_X_1(-); E(-); S2(-)	0.3324	264424.50	740.12	1061.4	63.98	160601.73	0.6074	1.8055
Cond_X_2(+); E(+); S2(+)	0.3696	215378.55	745.32	1061.4	64.08	134883.34	0.6263	1.8324
Cond_X_2(+); E(+); S2(-)	0.3700	214219.84	743.03	1061.4	63.91	132727.72	0.6196	1.8311
Cond_X_2(+); E(-); S2(+)	0.3698	215116.97	745.34	1061.4	64.09	134822.39	0.6267	1.8324
Cond_X_2(+); E(-); S2(-)	0.3703	213955.45	743.00	1061.4	63.91	132686.03	0.6202	1.8311
Cond_X_2(-); E(+); S2(+)	0.3717	211567.53	740.45	1061.4	64.13	133761.98	0.6322	1.8298
Cond_X_2(-); E(+); S2(-)	0.3719	211224.58	740.14	1061.4	63.98	133480.19	0.6319	1.8304
Cond_X_2(-); E(-); S2(+)	0.3720	211278.69	740.46	1061.4	64.14	133902.77	0.6338	1.8299
Cond_X_2(-); E(-); S2(-)	0.3721	210999.22	740.12	1061.4	63.98	133466.88	0.6325	1.8304



Cond_Y_1(+); E(+); S2(+)	0.3156	282529.84	712.88	1061.4	40.80	140595.44	0.4976	1.7334
Cond_Y_1(+); E(+); S2(-)	0.3149	283594.84	712.39	1061.4	43.14	140401.45	0.4951	1.7332
Cond_Y_1(+); E(-); S2(+)	0.3069	299820.34	715.25	1061.4	40.17	139415.14	0.4650	1.7358
Cond_Y_1(+); E(-); S2(-)	0.3048	302556.00	711.93	1061.4	41.97	138964.92	0.4593	1.7352
Cond_Y_1(-); E(+); S2(+)	0.3064	300722.78	715.11	1061.4	38.48	144689.56	0.4811	3.2280
Cond_Y_1(-); E(+); S2(-)	0.3079	296701.06	712.39	1061.4	38.70	141447.38	0.4767	1.7347
Cond_Y_1(-); E(-); S2(+)	0.3009	314226.25	720.88	1061.4	38.50	145193.88	0.4621	3.3026
Cond_Y_1(-); E(-); S2(-)	0.3003	314090.41	717.50	1061.4	38.54	144605.36	0.4604	3.2053
Cond_Y_2(+); E(+); S2(+)	0.3565	221432.88	712.88	1061.4	40.80	116586.47	0.5265	1.7602
Cond_Y_2(+); E(+); S2(-)	0.3559	222044.42	712.39	1061.4	43.14	116698.80	0.5256	1.7600
Cond_Y_2(+); E(-); S2(+)	0.3466	235036.56	715.25	1061.4	40.17	115694.52	0.4922	1.7628
Cond_Y_2(+); E(-); S2(-)	0.3439	237651.52	711.93	1061.4	41.97	117681.40	0.4952	2.7060
Cond_Y_2(-); E(+); S2(+)	0.3424	240864.50	715.11	1061.4	38.48	117009.75	0.4858	1.7615
Cond_Y_2(-); E(+); S2(-)	0.3457	235395.78	712.39	1061.4	38.70	116683.91	0.4957	1.7605
Cond_Y_2(-); E(-); S2(+)	0.3366	251140.38	720.88	1061.4	38.50	116876.71	0.4654	1.7665
Cond_Y_2(-); E(-); S2(-)	0.3366	250053.84	717.50	1061.4	38.54	119257.25	0.4769	3.6342

#### 4.2.6 Verifiche calcolo globale della struttura agli SLV.

Tabella 7.I

$F_{max}$  : valore massimo della forza orizzontale applicata sulla struttura (Taglio alla base della struttura);

$u_{max,C}$  : spostamento massimo raggiunto dal punto di controllo;

$\Gamma$  : coefficiente di partecipazione;

$F^*_{max}$  :  $F_{max} / \Gamma$ ;

$u^*_{max}$  :  $u_{max} / \Gamma$ ;

$q^*$  : fattore di comportamento ( $q^* = m^* S_e(T^*) / F^*_{max}$ );

$u_{max}$  : capacità di spostamento della struttura;

$d_{max}$  : spostamento richiesto del punto di controllo della struttura;

$S$  : Coefficiente di sicurezza;

Esito : V : Verificato

: NV : Non Verificato;

Cond\_X\_1(+); E(+); S2(+): 1) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Cond\_X\_1(+); E(+); S2(-): 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Cond\_X\_1(+); E(-); S2(+): 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Cond\_X\_1(-); E(+); S2(+): 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Cond\_X\_1(-); E(-); S2(-): 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Ly)

Cond\_X\_2(+); E(+); S2(+): 9) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Ly)



Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>y</sub>)

Cond\_X\_2(+); E(-); S2(+) : 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>y</sub>)

Cond\_X\_2(+); E(-); S2(-) : 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>y</sub>)

Cond\_X\_2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>y</sub>)

Cond\_X\_2(-); E(+); S2(-) : 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>y</sub>)

Cond\_X\_2(-); E(-); S2(+) : 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>y</sub>)

Cond\_X\_2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>y</sub>)

Cond\_Y\_1(+); E(+); S2(+) : 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_1(+); E(-); S2(-) : 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_1(-); E(+); S2(+) : 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_1(-); E(+); S2(-) : 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_1(-); E(-); S2(+) : 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*L<sub>x</sub>)

Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*L<sub>x</sub>)

	F <sub>max</sub> [daN]	u <sub>max,C</sub> [cm]	Γ	F* <sub>max</sub> [daN]	u* <sub>max</sub> [cm]	q*	u <sub>max</sub> [cm]	d <sub>max</sub> [cm]	S	Esito
<b>Cond_X_1(+); E(+); S2(+)</b>	186538	2.0238	1.1183	166810	1.8098	2.4912	2.0238	2.0651	0.98	NV
<b>Cond_X_1(+); E(+); S2(-)</b>	184488	2.0251	1.1198	164756	1.8085	2.5165	2.0251	2.0634	0.98	NV
<b>Cond_X_1(+); E(-); S2(+)</b>	184488	2.0232	1.1184	164956	1.8090	2.5120	2.0232	2.0632	0.98	NV
<b>Cond_X_1(+); E(-); S2(-)</b>	184488	2.0254	1.1199	164740	1.8086	2.5139	2.0254	2.0650	0.98	NV
<b>Cond_X_1(-); E(+); S2(+)</b>	186538	2.0306	1.1245	165892	1.8059	2.4898	2.0306	2.0807	0.98	NV
<b>Cond_X_1(-); E(+); S2(-)</b>	184488	2.0291	1.1238	164166	1.8056	2.5159	2.0291	2.0788	0.98	NV
<b>Cond_X_1(-); E(-); S2(+)</b>	186538	2.0307	1.1246	165871	1.8057	2.4947	2.0307	2.0835	0.97	NV



Cond_X_1(-); E(-); S2(-)	184488	2.0292	1.1239	164149	1.8055	2.5161	2.0292	2.0805	0.98	NV
Cond_X_2(+); E(+); S2(+)	153740	2.0491	1.1183	137481	1.8324	3.0169	2.0491	2.4153	0.85	NV*
Cond_X_2(+); E(+); S2(-)	151690	2.0504	1.1198	135466	1.8311	3.0565	2.0504	2.4222	0.85	NV*
Cond_X_2(+); E(-); S2(+)	153740	2.0494	1.1184	137463	1.8324	3.0183	2.0494	2.4176	0.85	NV*
Cond_X_2(+); E(-); S2(-)	151690	2.0506	1.1199	135453	1.8311	3.0573	2.0506	2.4243	0.85	NV*
Cond_X_2(-); E(+); S2(+)	153740	2.0576	1.1245	136724	1.8298	3.0223	2.0576	2.4465	0.84	NV*
Cond_X_2(-); E(+); S2(-)	153740	2.0569	1.1238	136805	1.8304	3.0274	2.0569	2.4470	0.84	NV*
Cond_X_2(-); E(-); S2(+)	153740	2.0579	1.1246	136706	1.8299	3.0192	2.0579	2.4490	0.84	NV*
Cond_X_2(-); E(-); S2(-)	153740	2.0572	1.1239	136791	1.8304	3.0276	2.0572	2.4488	0.84	NV*
Cond_Y_1(+); E(+); S2(+)	172189	2.0422	1.1782	146150	1.7334	2.7684	2.0422	2.0612	0.99	NV
Cond_Y_1(+); E(+); S2(-)	172189	2.0422	1.1783	146137	1.7332	2.7703	2.0422	2.0557	0.99	NV
Cond_Y_1(+); E(-); S2(+)	172189	2.0404	1.1755	146481	1.7358	2.8011	2.0404	1.9870	1.03	V
Cond_Y_1(+); E(-); S2(-)	172189	2.0439	1.1779	146185	1.7352	2.7971	2.0439	1.9733	1.04	V
Cond_Y_1(-); E(+); S2(+)	174239	3.7933	1.1751	148273	3.2280	2.6984	3.7933	1.9726	1.92	V
Cond_Y_1(-); E(+); S2(-)	174239	2.0434	1.1780	147911	1.7347	2.7498	2.0434	1.9947	1.02	V
Cond_Y_1(-); E(-); S2(+)	174239	3.8582	1.1682	149147	3.3026	2.7108	3.8582	1.9176	2.01	V
Cond_Y_1(-); E(-); S2(-)	174239	3.7581	1.1725	148610	3.2053	2.7090	3.7581	1.9191	1.96	V
Cond_Y_2(+); E(+); S2(+)	143491	2.0738	1.1782	121791	1.7602	3.3385	2.0738	2.4291	0.85	NV*
Cond_Y_2(+); E(+); S2(-)	143491	2.0738	1.1783	121781	1.7600	3.3330	2.0738	2.4239	0.86	NV*
Cond_Y_2(+); E(-); S2(+)	143491	2.0721	1.1755	122068	1.7628	3.3754	2.0721	2.3377	0.89	NV*
Cond_Y_2(+); E(-); S2(-)	143491	3.1874	1.1779	121821	2.7060	3.3030	3.1874	2.3191	1.37	NV*
Cond_Y_2(-); E(+); S2(+)	143491	2.0700	1.1751	122107	1.7615	3.3368	2.0700	2.3004	0.90	NV*
Cond_Y_2(-); E(+); S2(-)	143491	2.0739	1.1780	121809	1.7605	3.3333	2.0739	2.3344	0.89	NV*
Cond_Y_2(-); E(-); S2(+)	143491	2.0637	1.1682	122827	1.7665	3.3675	2.0637	2.2383	0.92	NV*
Cond_Y_2(-); E(-); S2(-)	143491	4.2610	1.1725	122384	3.6342	3.2848	4.2610	2.2459	1.90	NV*

\* Fattore di struttura  $q^* > 3.00$

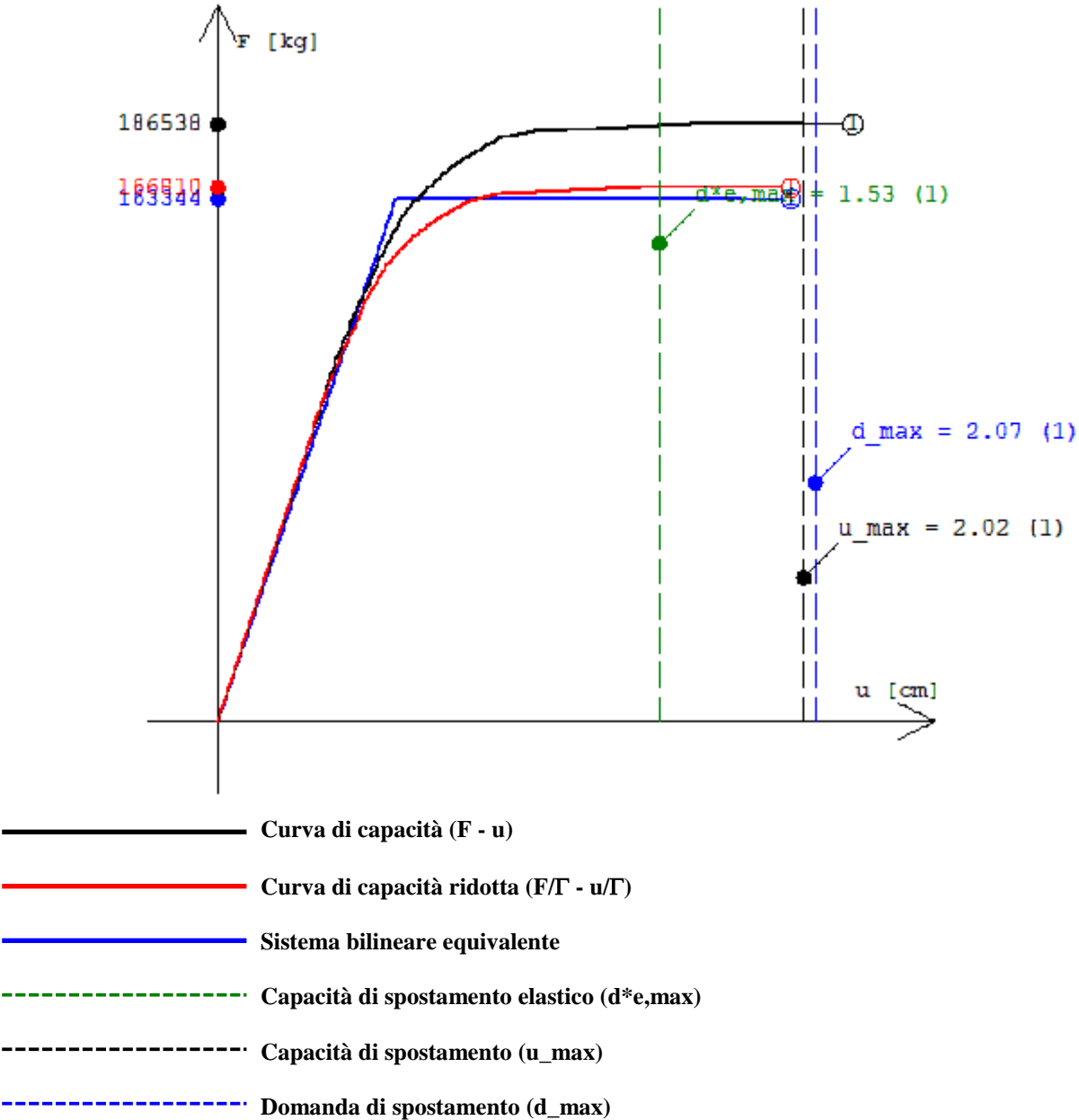
Nei casi in cui  $q^* > 3.00$ , la verifica viene effettuata con il fattore di struttura massimo previsto ( $q^* = 3.00$ )

#### 4.2.7 Grafici Analisi non Lineare. SLV

Tabella 8.I

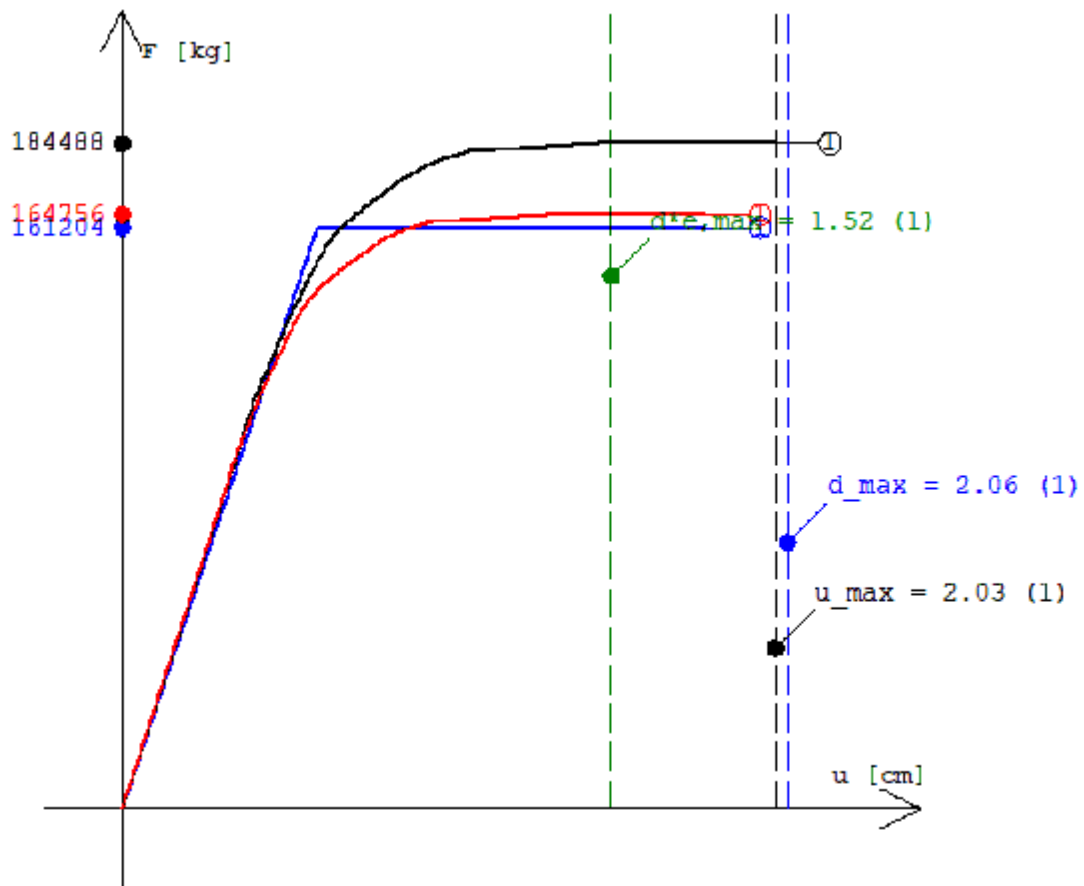
**Cond\_X\_1(+); E(+); S2(+)** : **1** - Sisma X (+); **0.3** \* Sisma Y (+); **Distribuzione forze: Proporzionale masse;**  
**Eccentricità accidentale (+ 0.05\*Ly)**







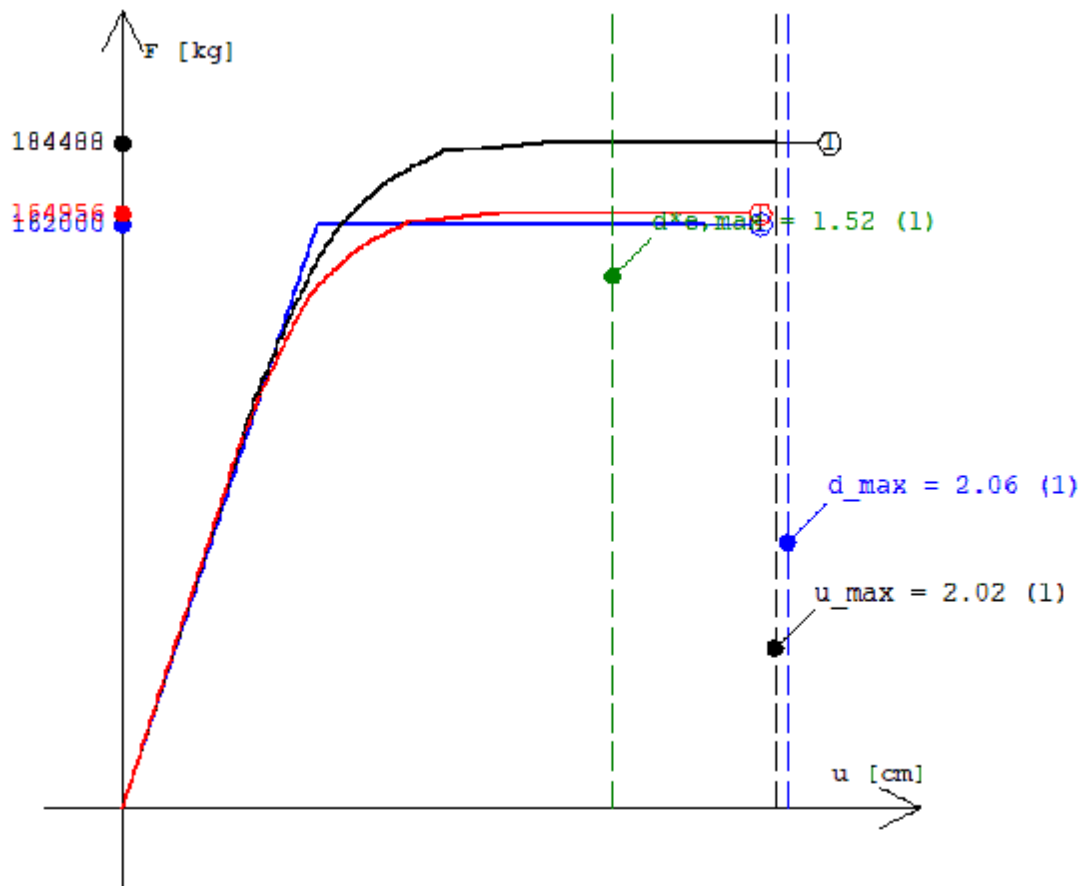
Cond\_X\_1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



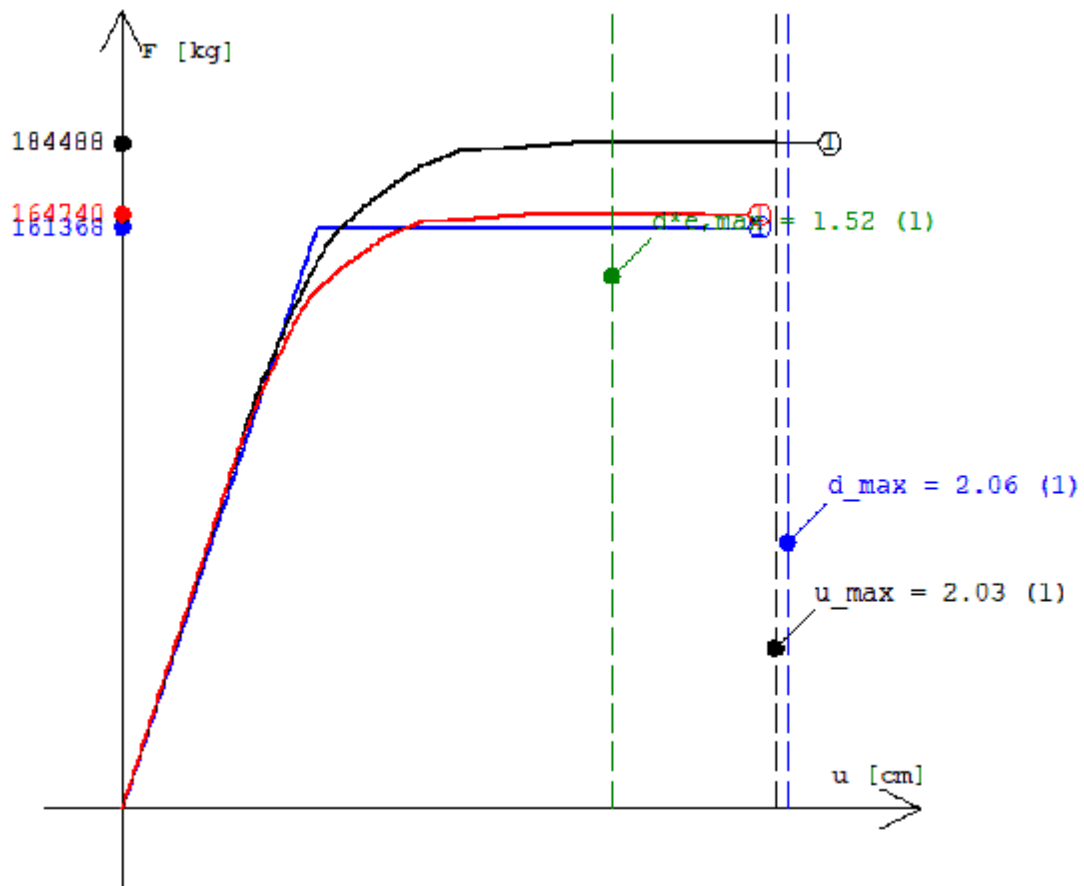
Cond\_X\_1(+); E(-); S2(+) : 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



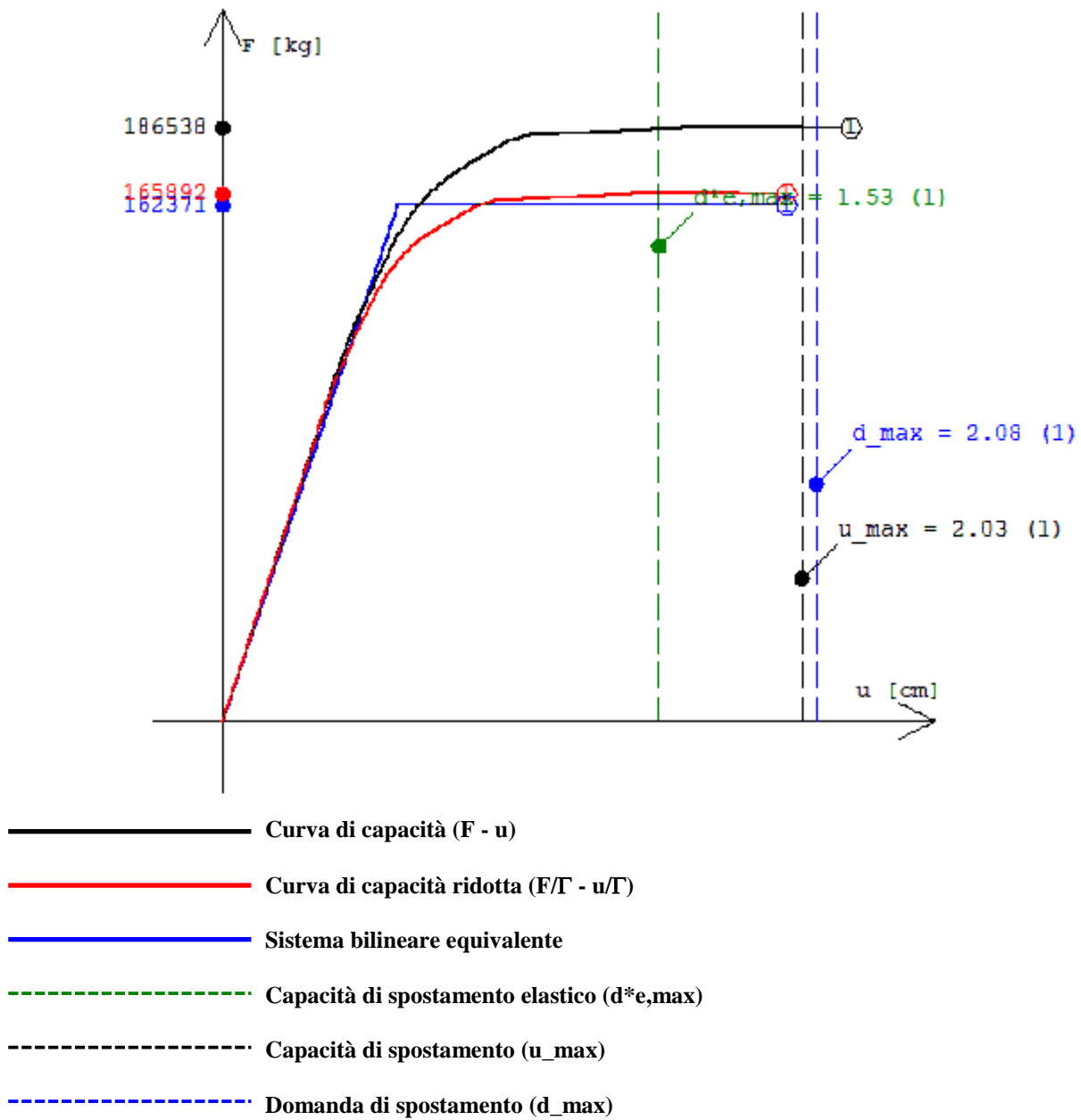
Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

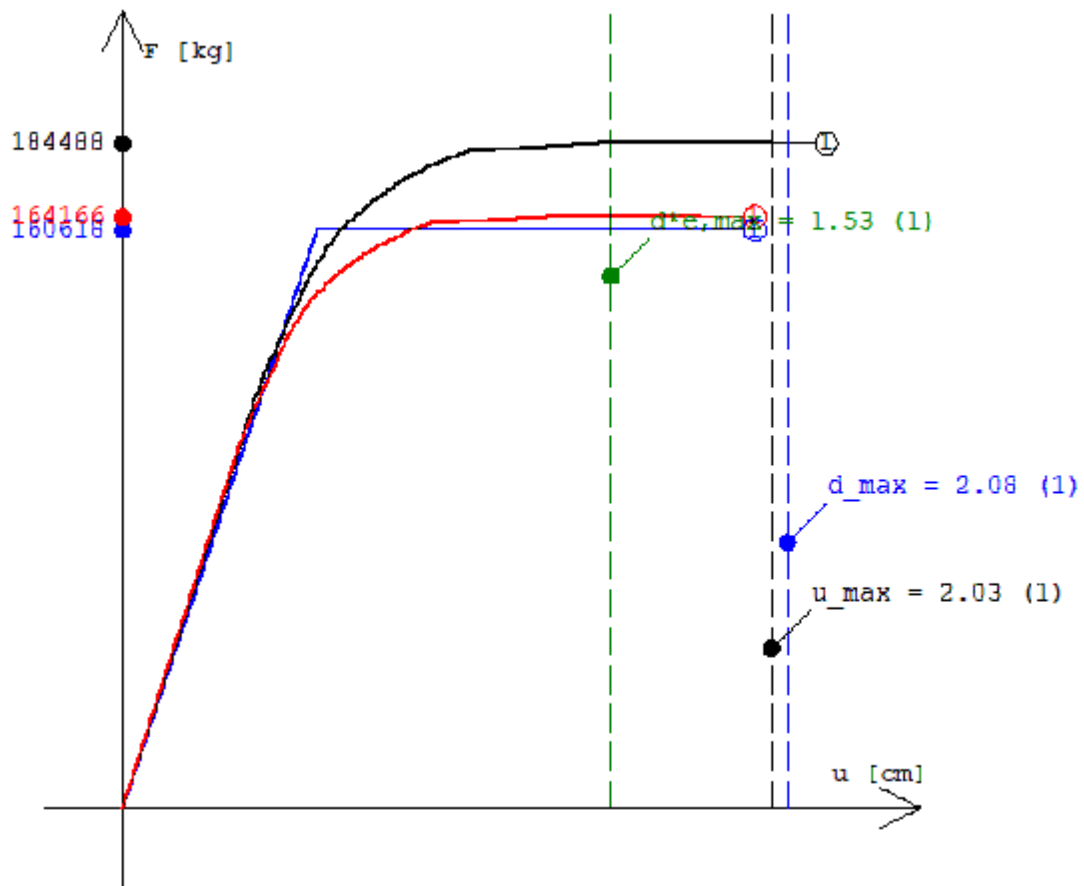


Cond\_X\_1(-); E(+); S2(+) : 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)





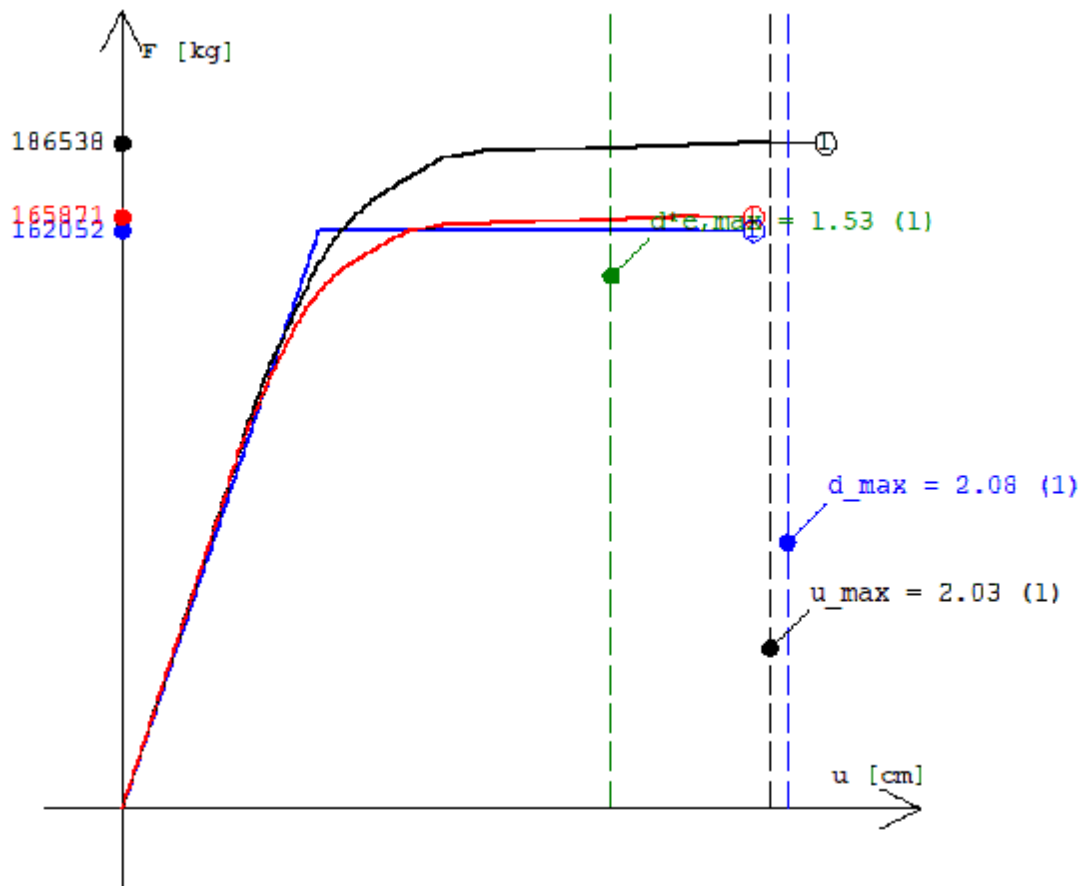
Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



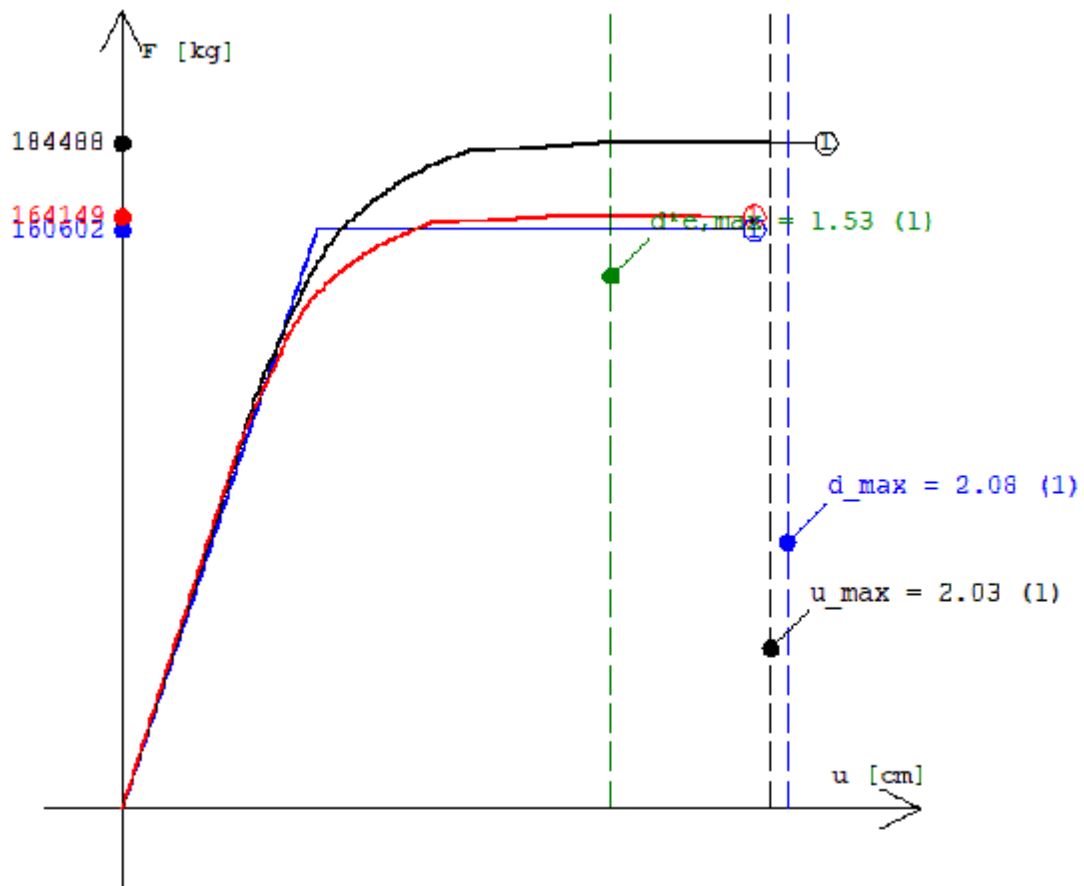
Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



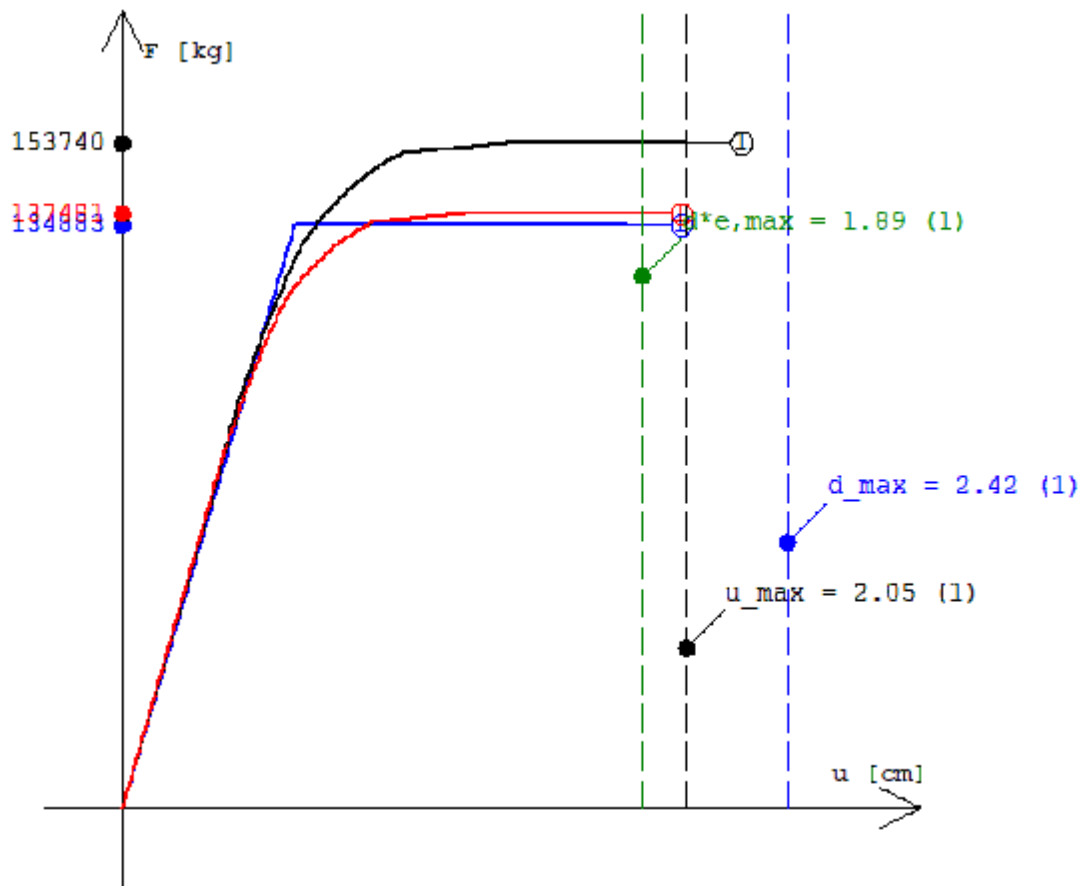
Cond\_X\_1(-); E(-); S2(-) : 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



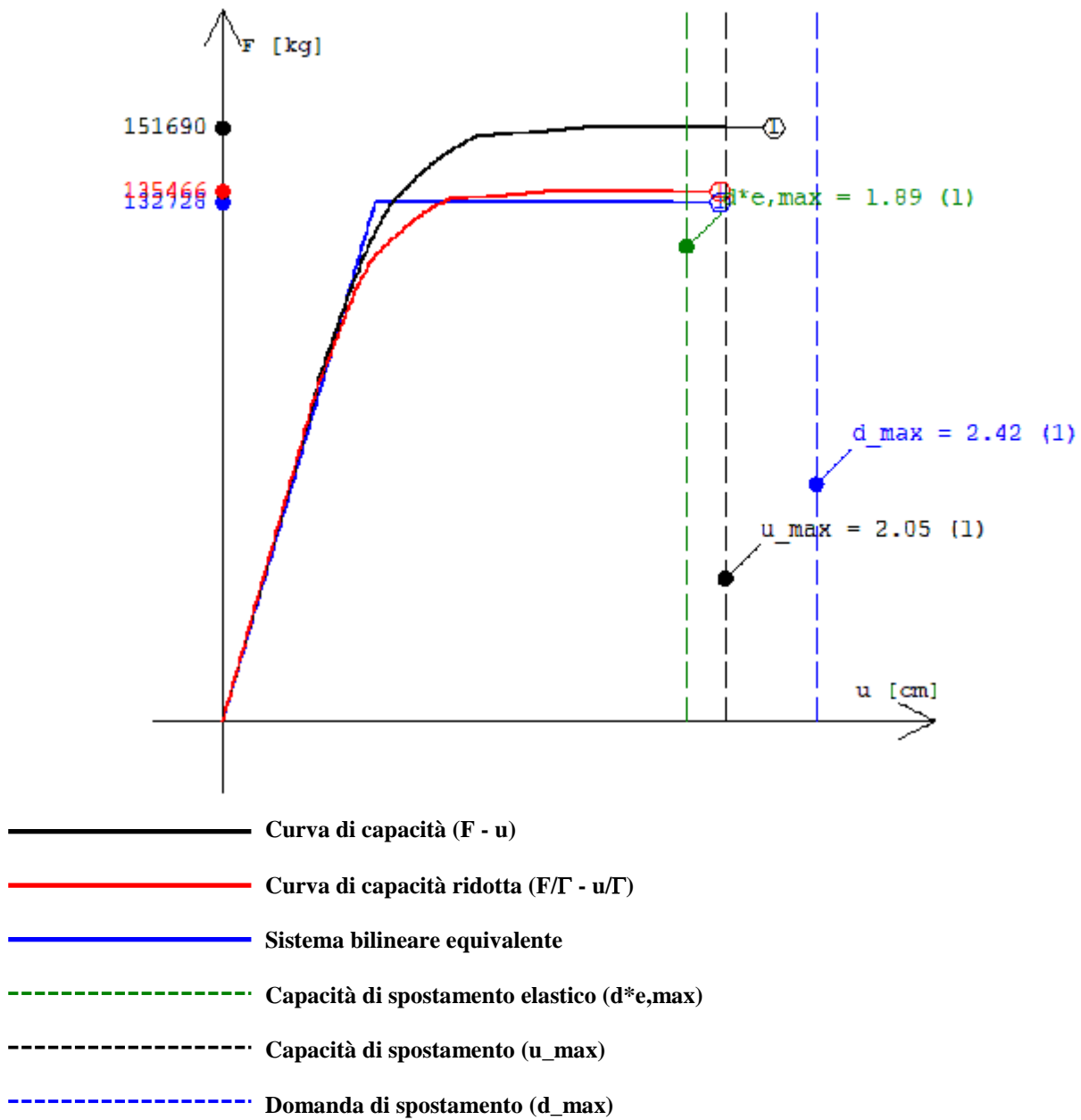
Cond\_X\_2(+); E(+); S2(+) : 9 - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico (d\*e,max)
- - - Capacità di spostamento (u\_max)
- - - Domanda di spostamento (d\_max)

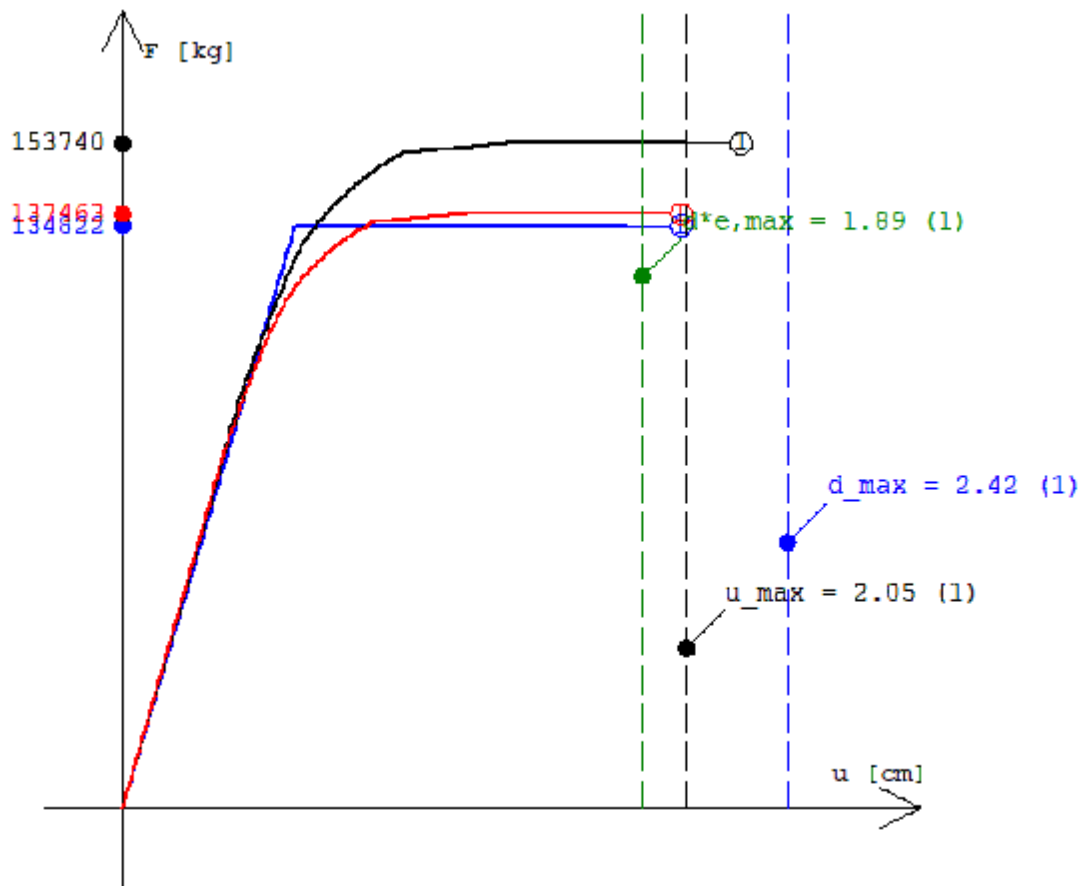


Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)





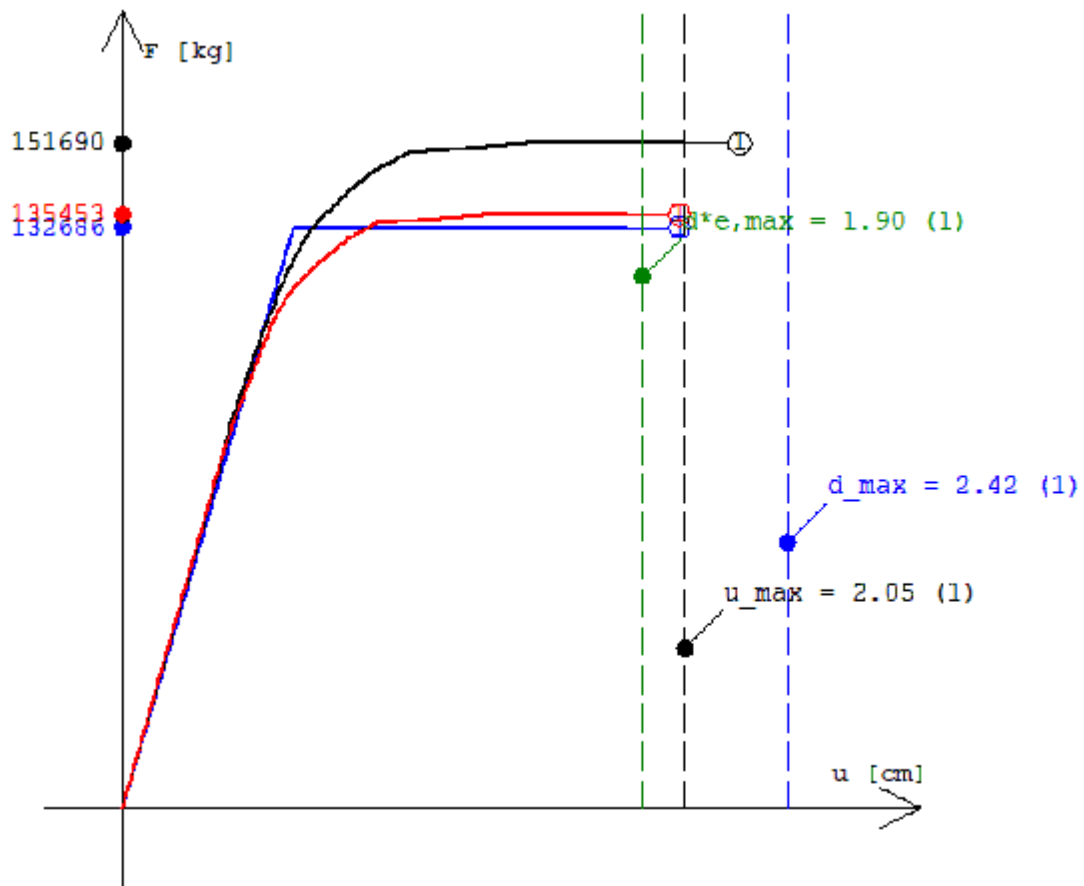
Cond\_X\_2(+); E(-); S2(+) : 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



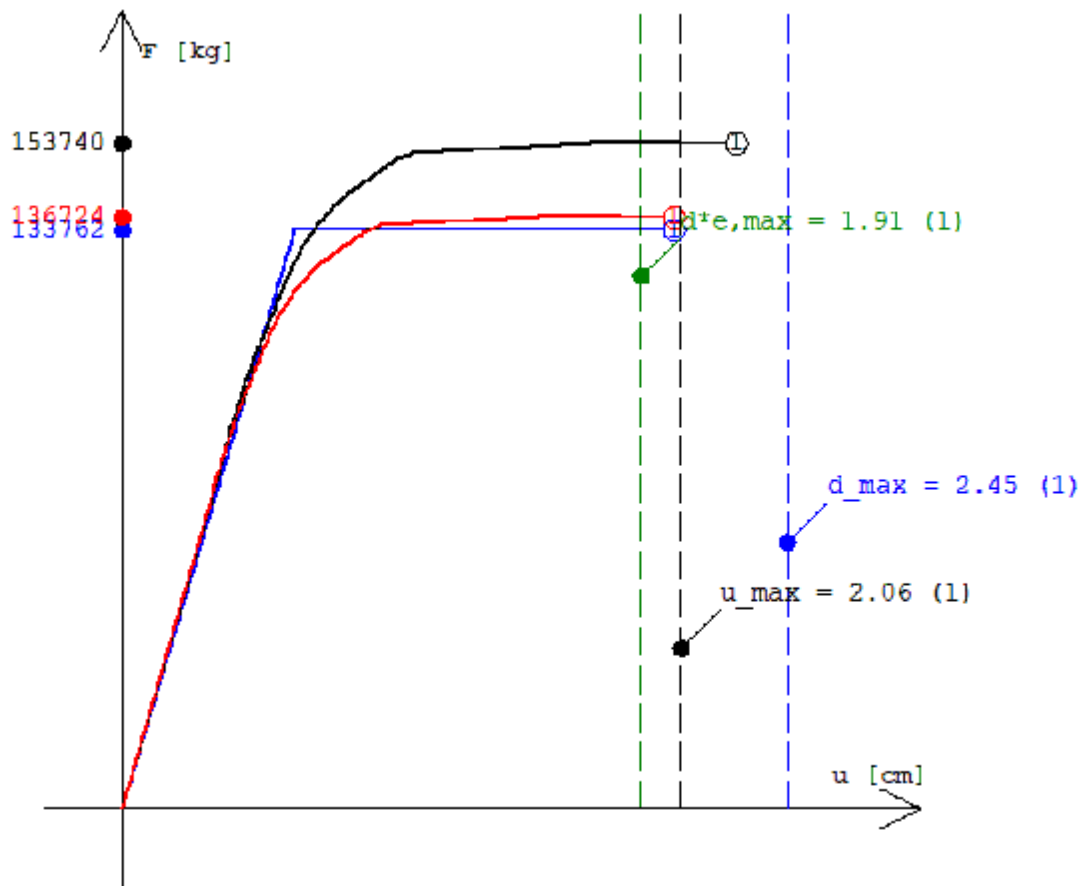
Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



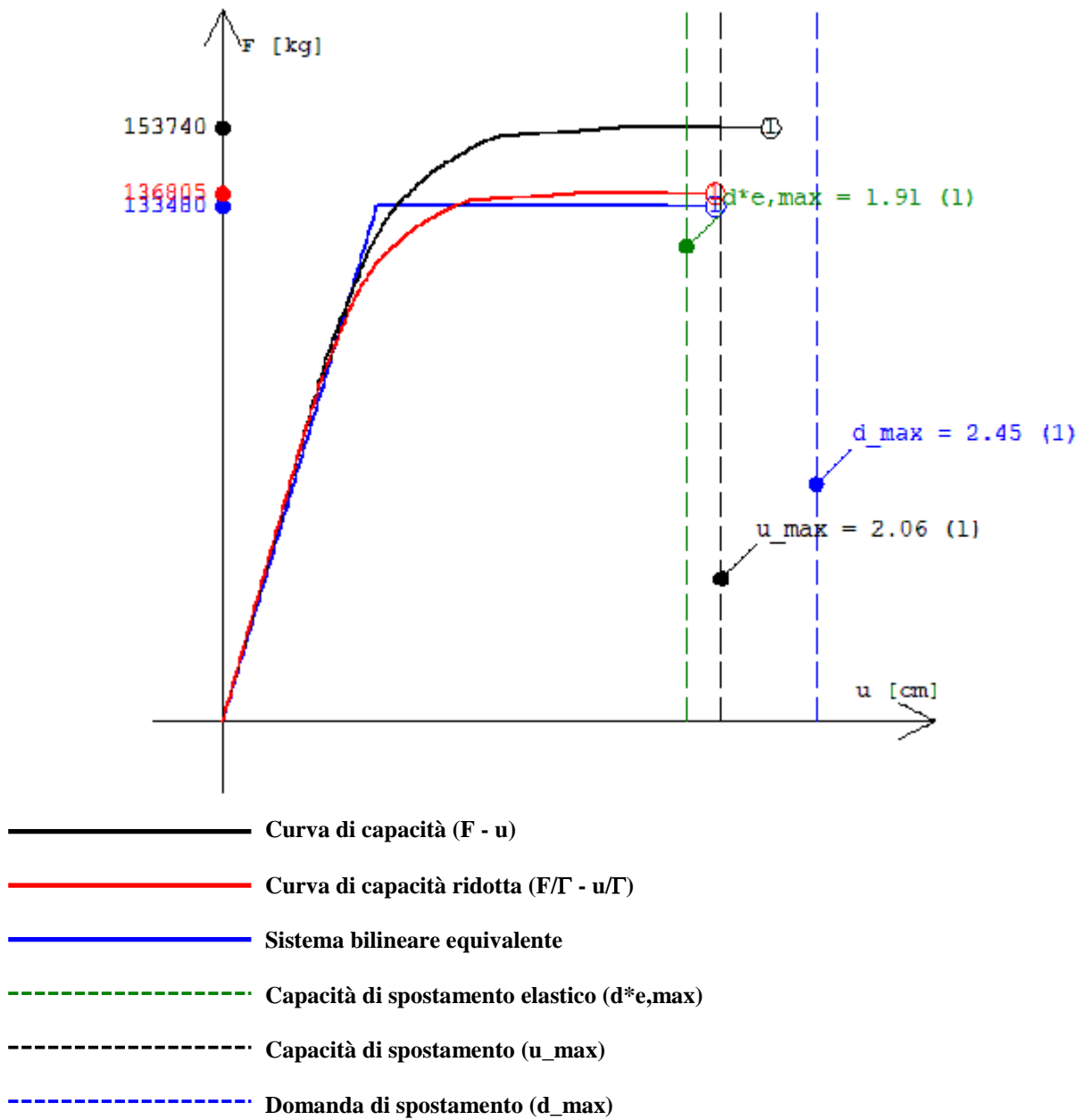
Cond\_X\_2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

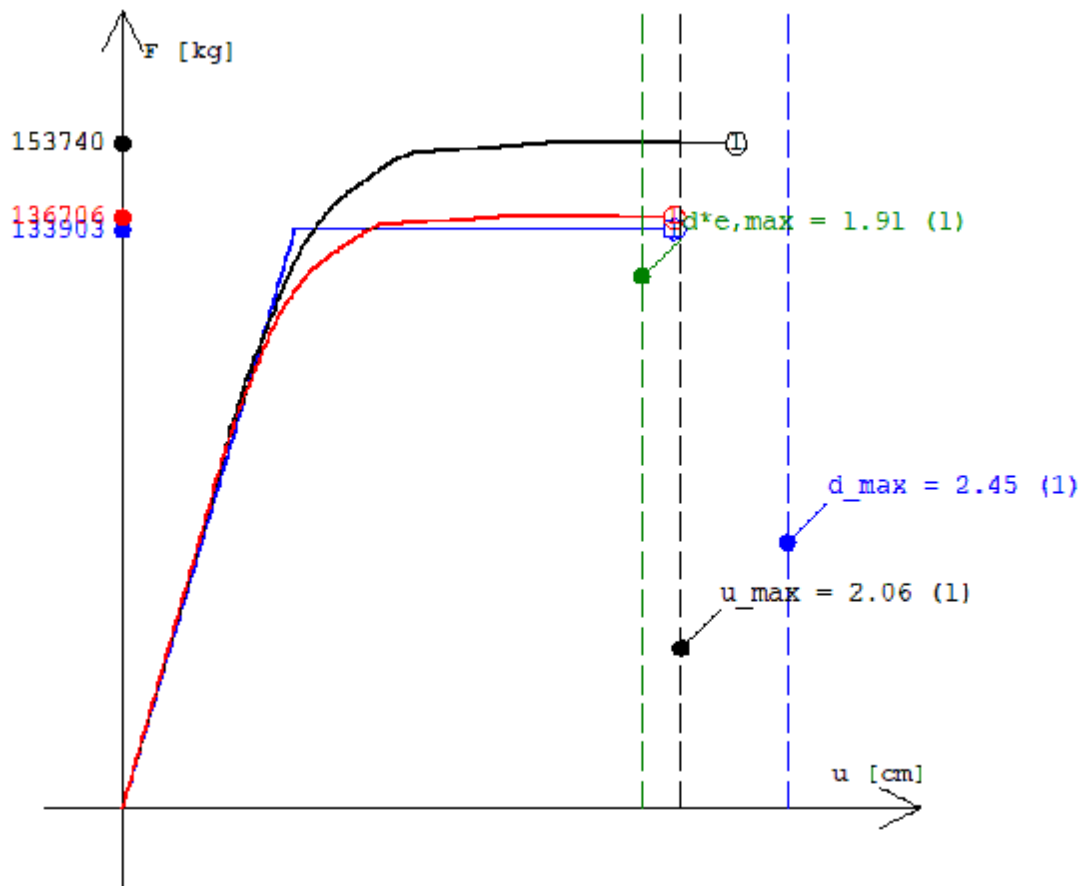


Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)





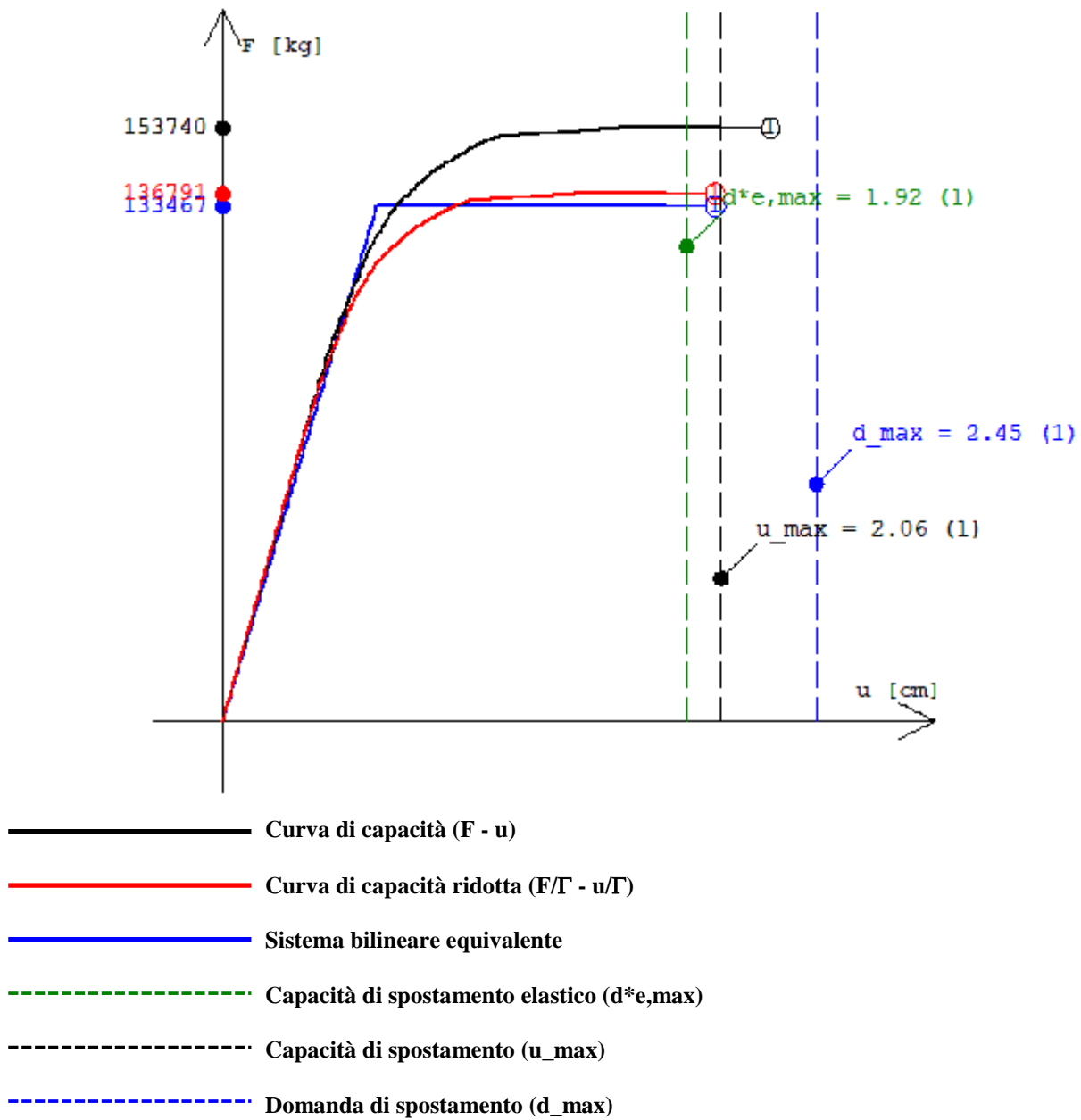
Cond\_X\_2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

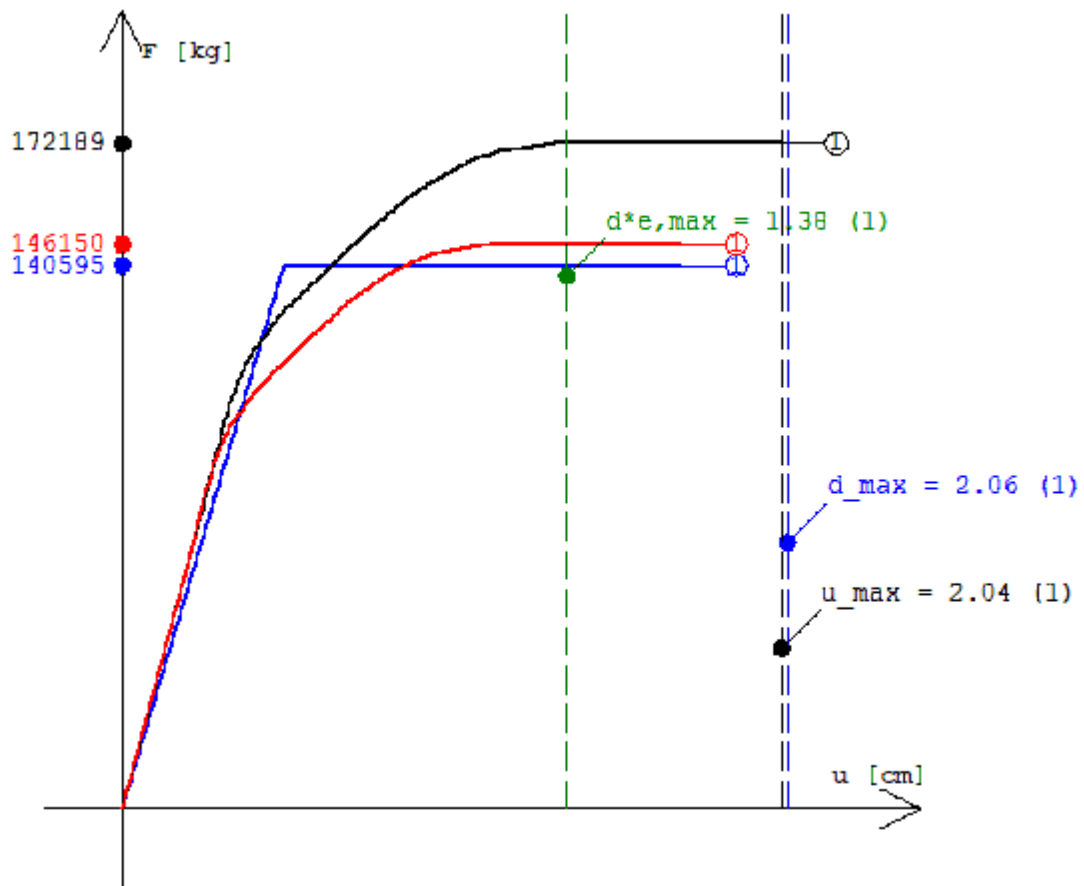


Cond\_X\_2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)





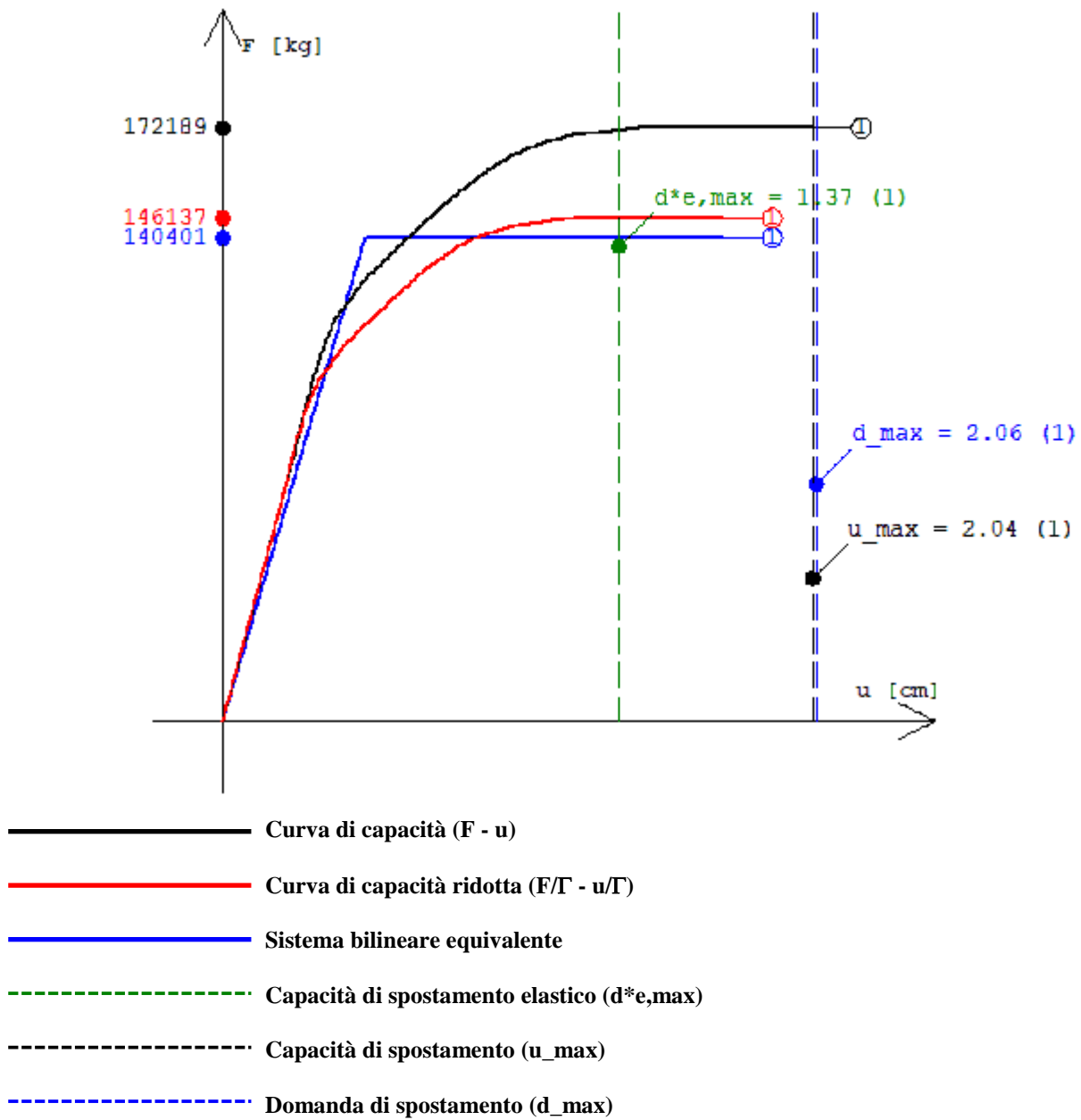
Cond\_Y\_1(+); E(+); S2(+): 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

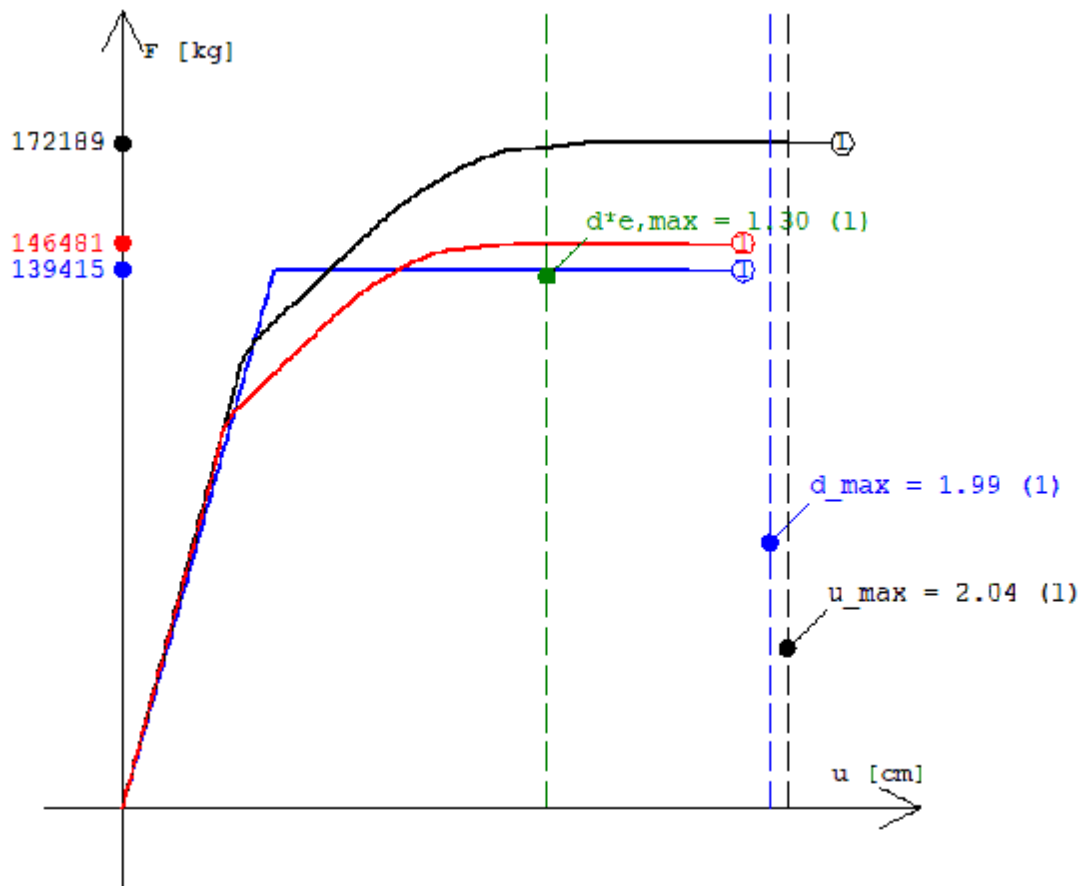


Cond\_Y\_1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)





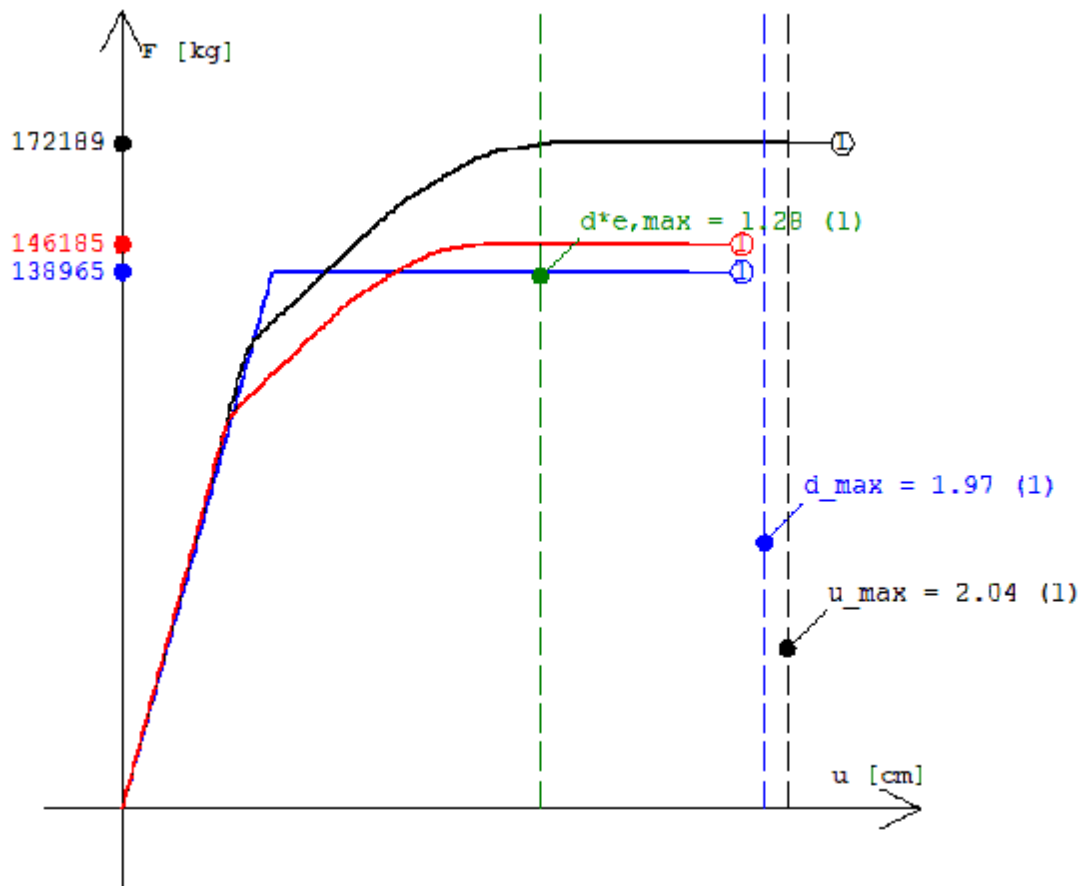
Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



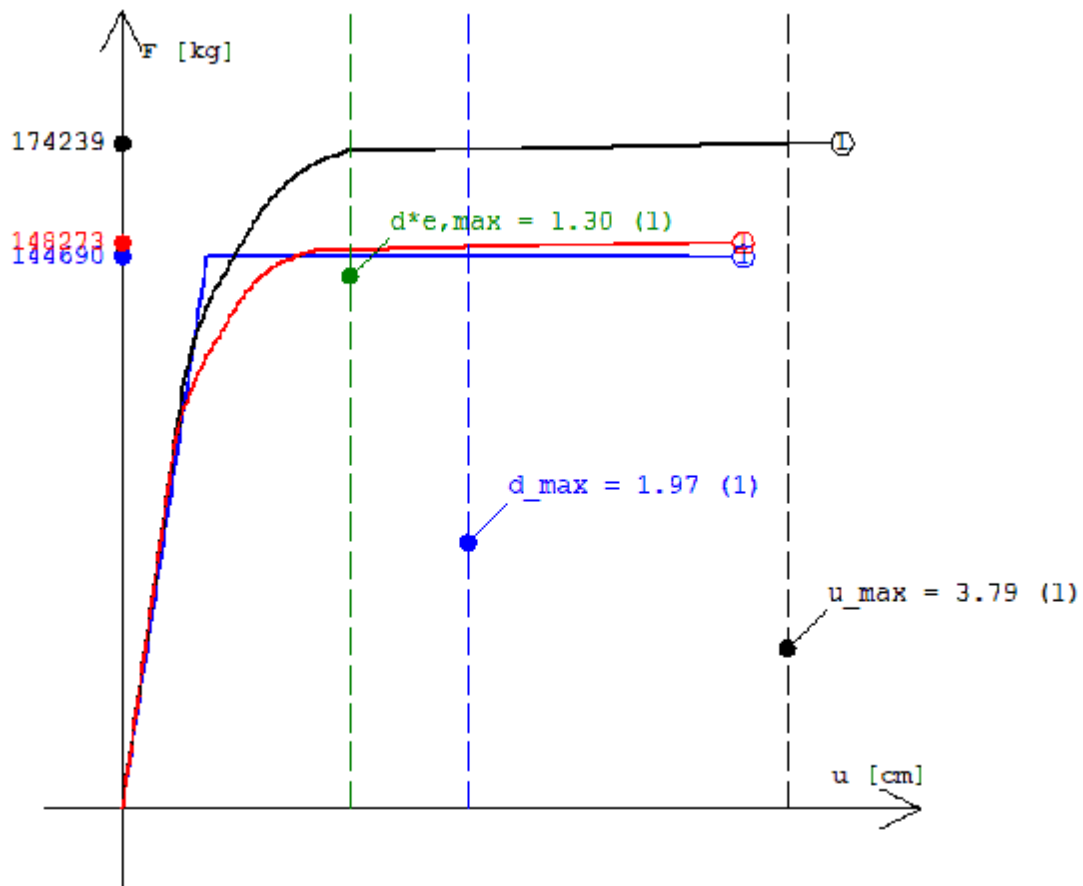
Cond\_Y\_1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - - - Capacità di spostamento ( $u_{\max}$ )
- - - - - Domanda di spostamento ( $d_{\max}$ )



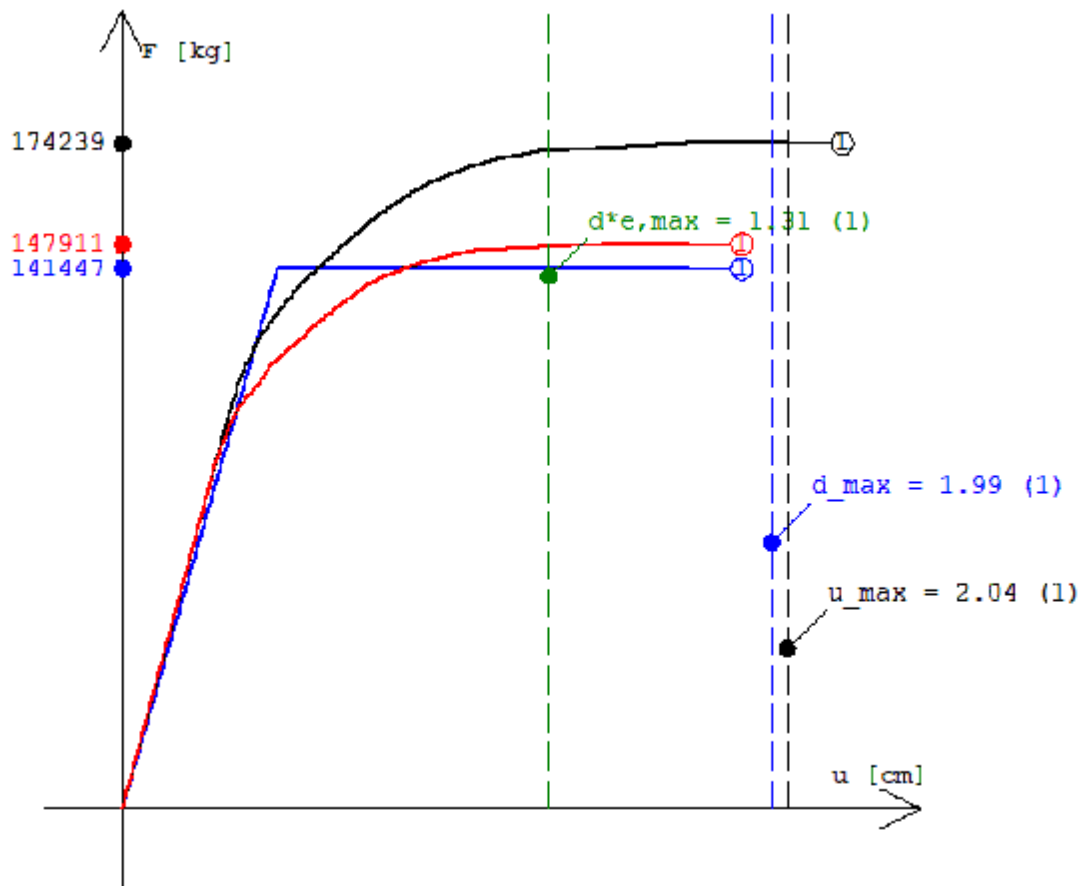
Cond\_Y\_1(-); E(+); S2(+): 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



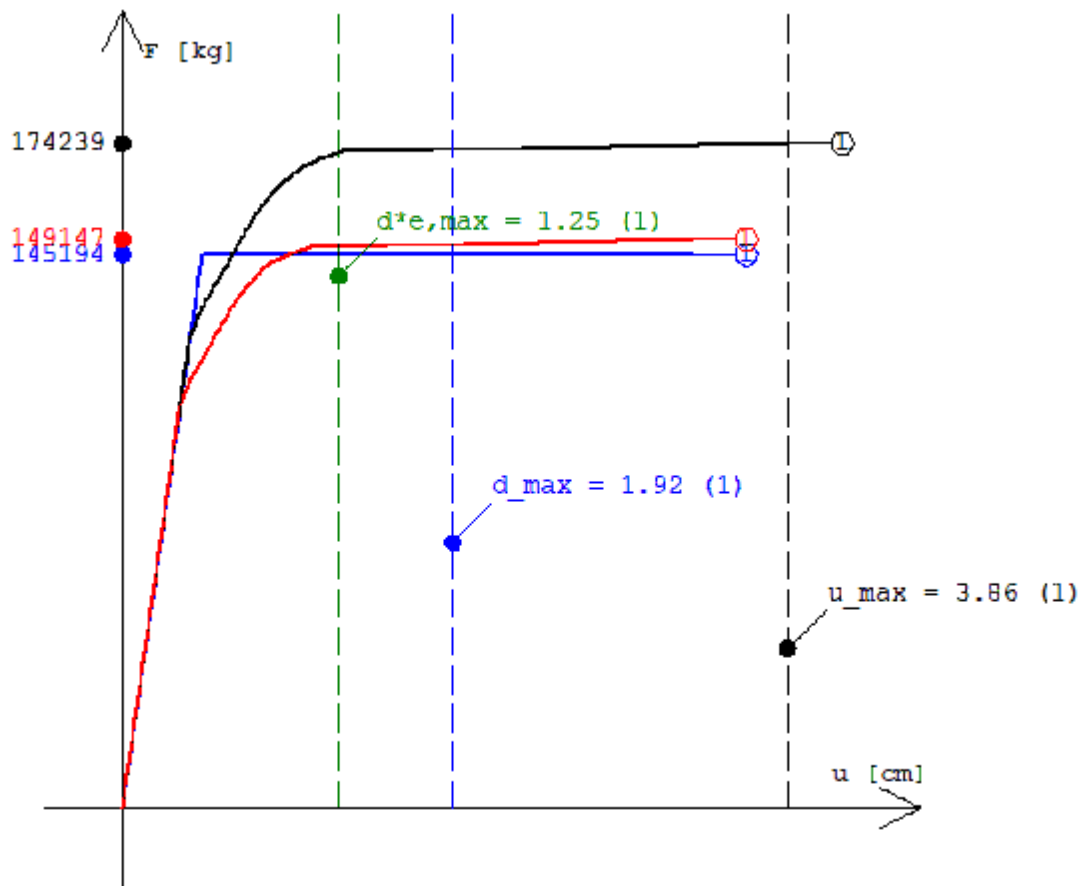
Cond\_Y\_1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



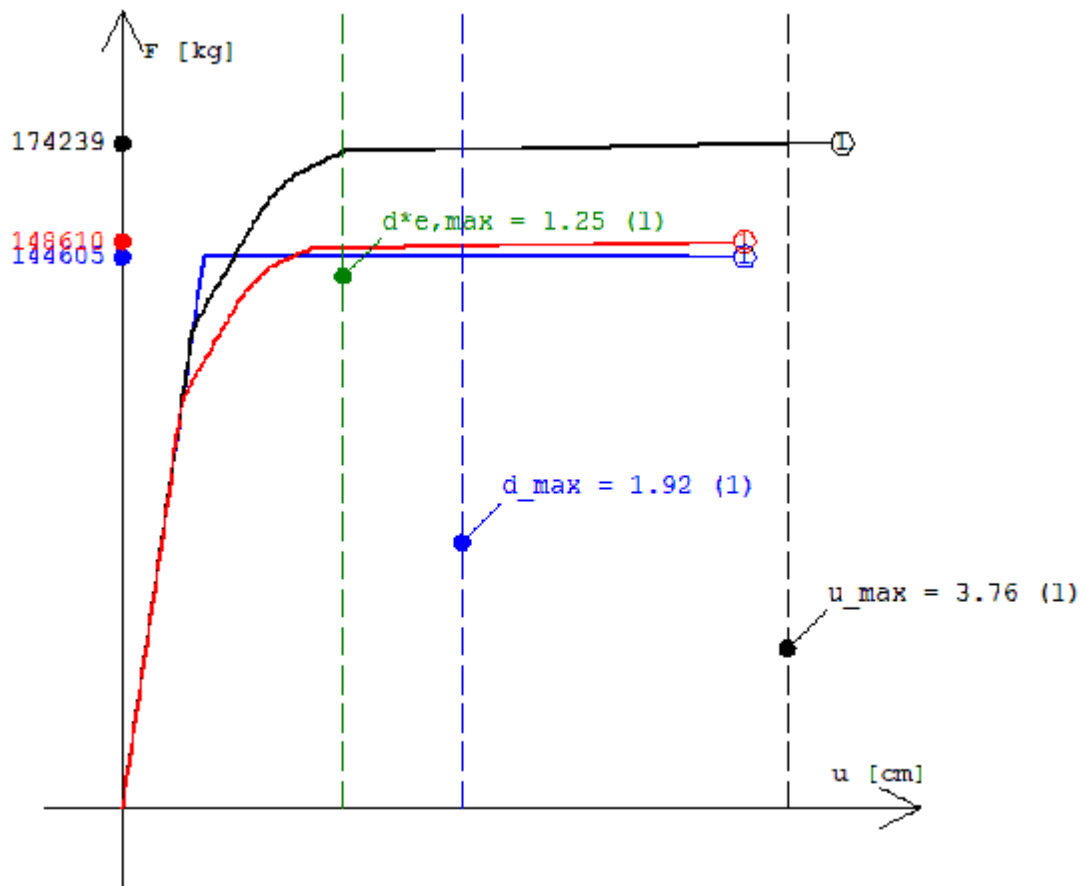
Cond\_Y\_1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



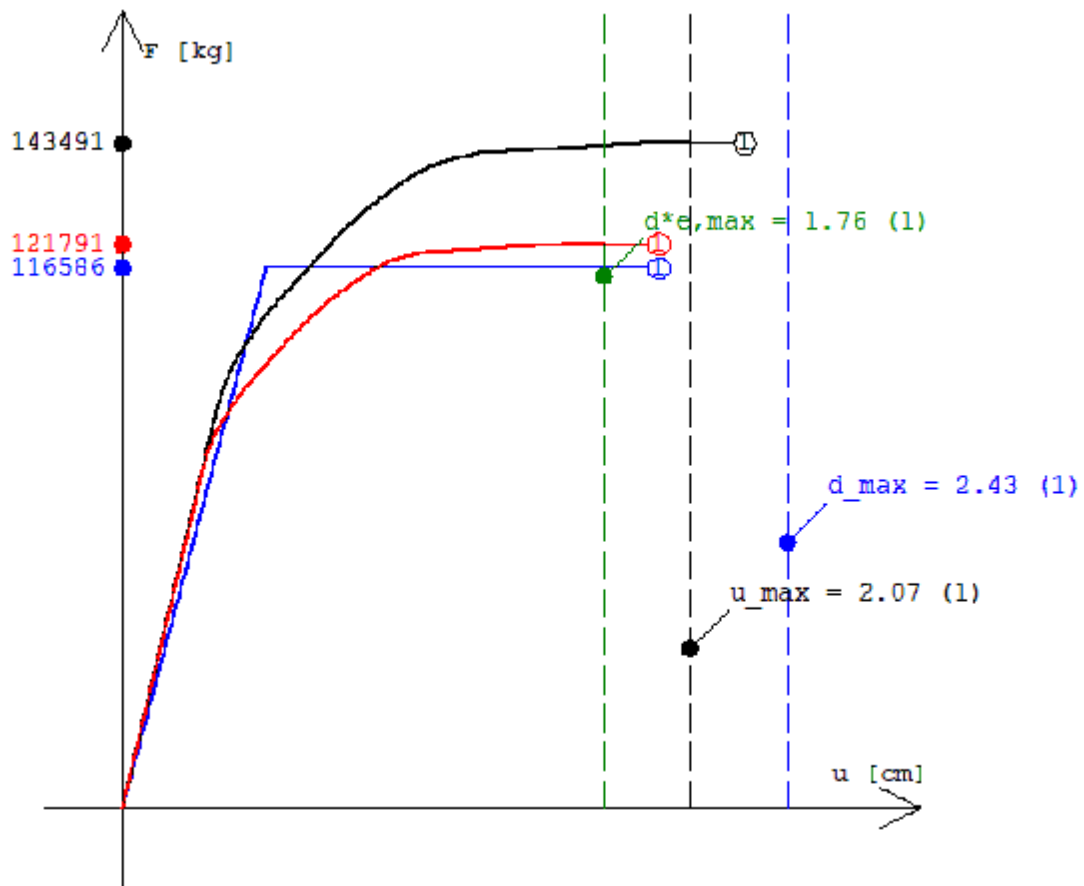
Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - - - Capacità di spostamento ( $u_max$ )
- - - - - Domanda di spostamento ( $d_max$ )



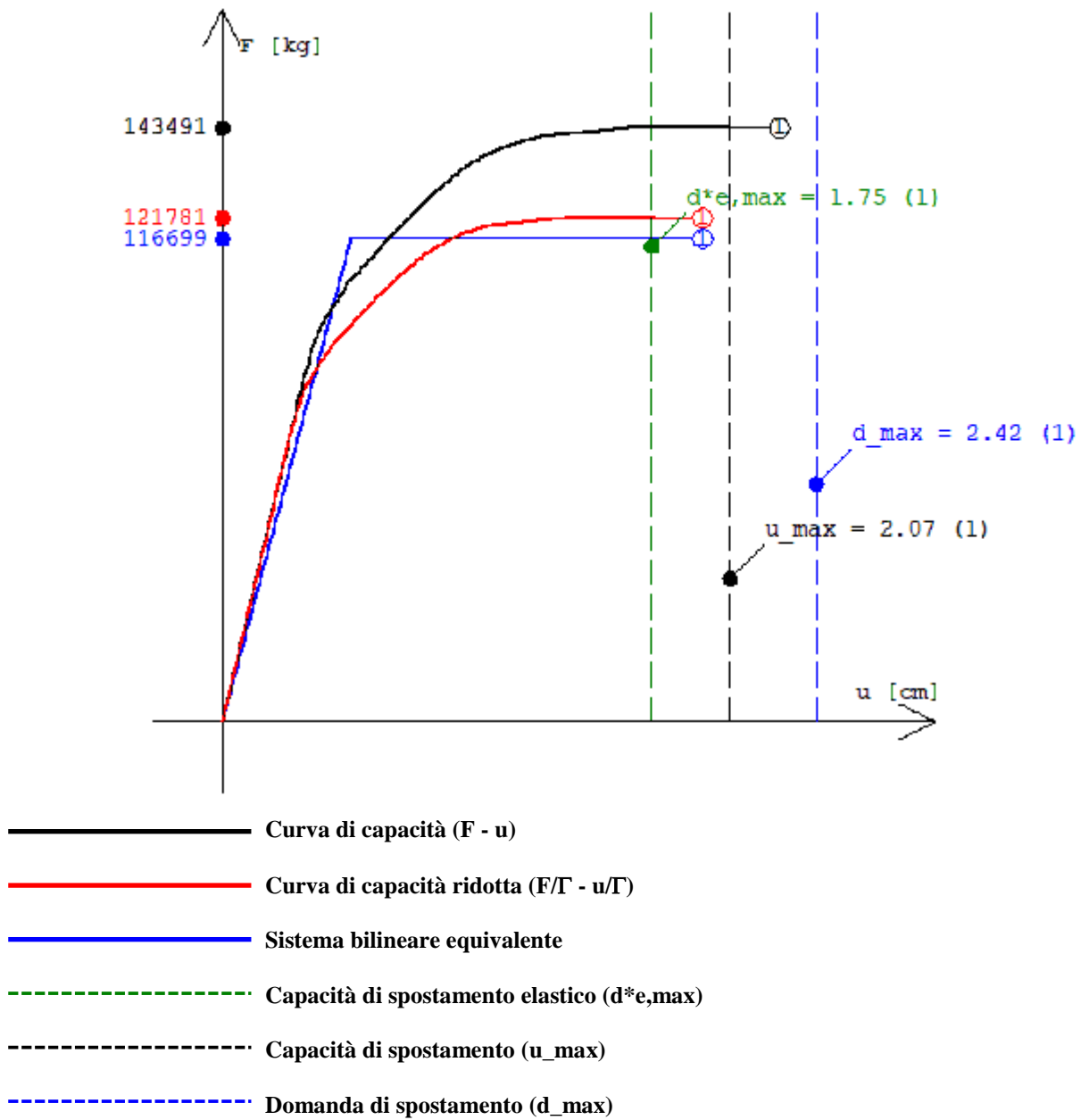
Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

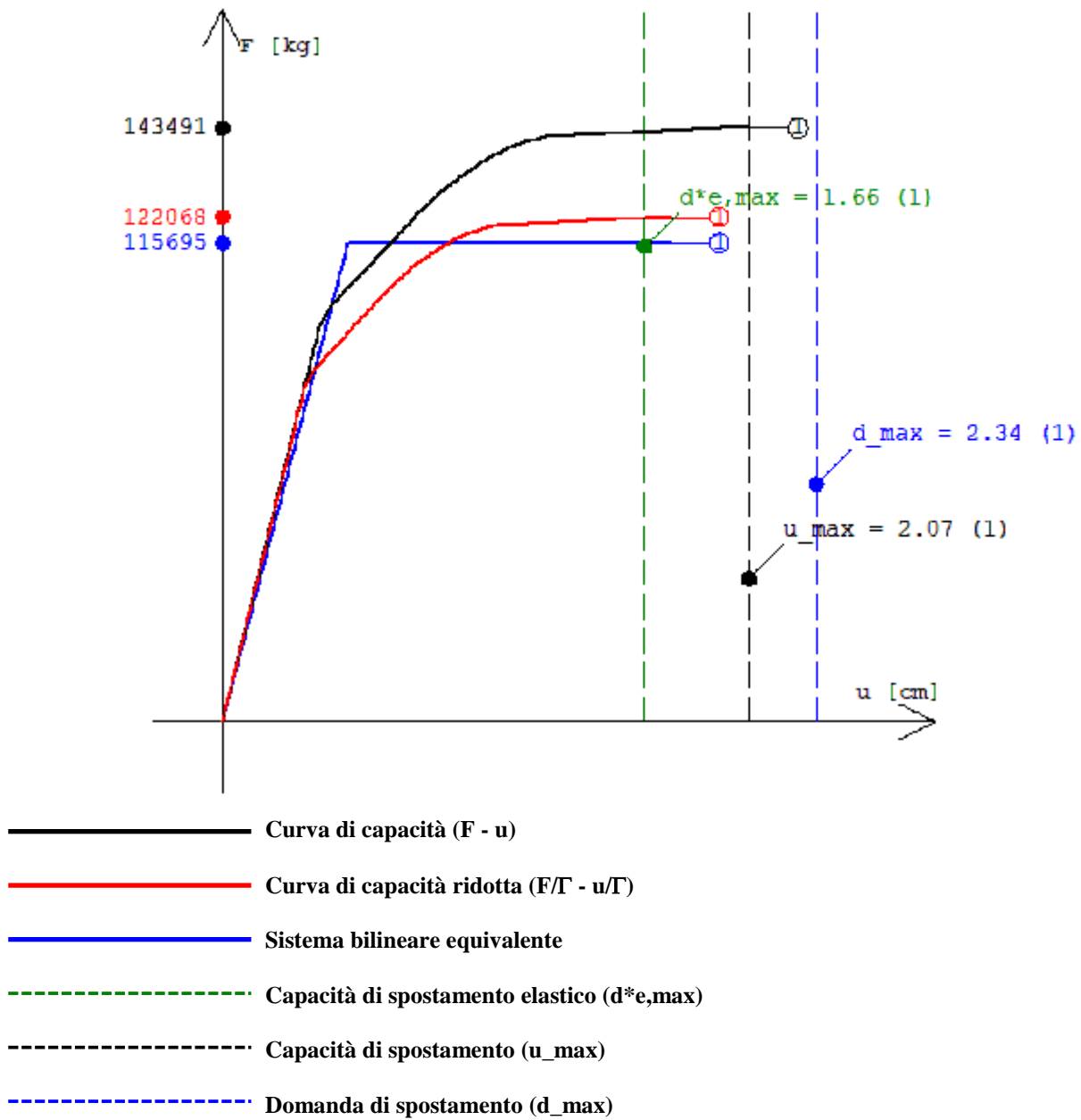


Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



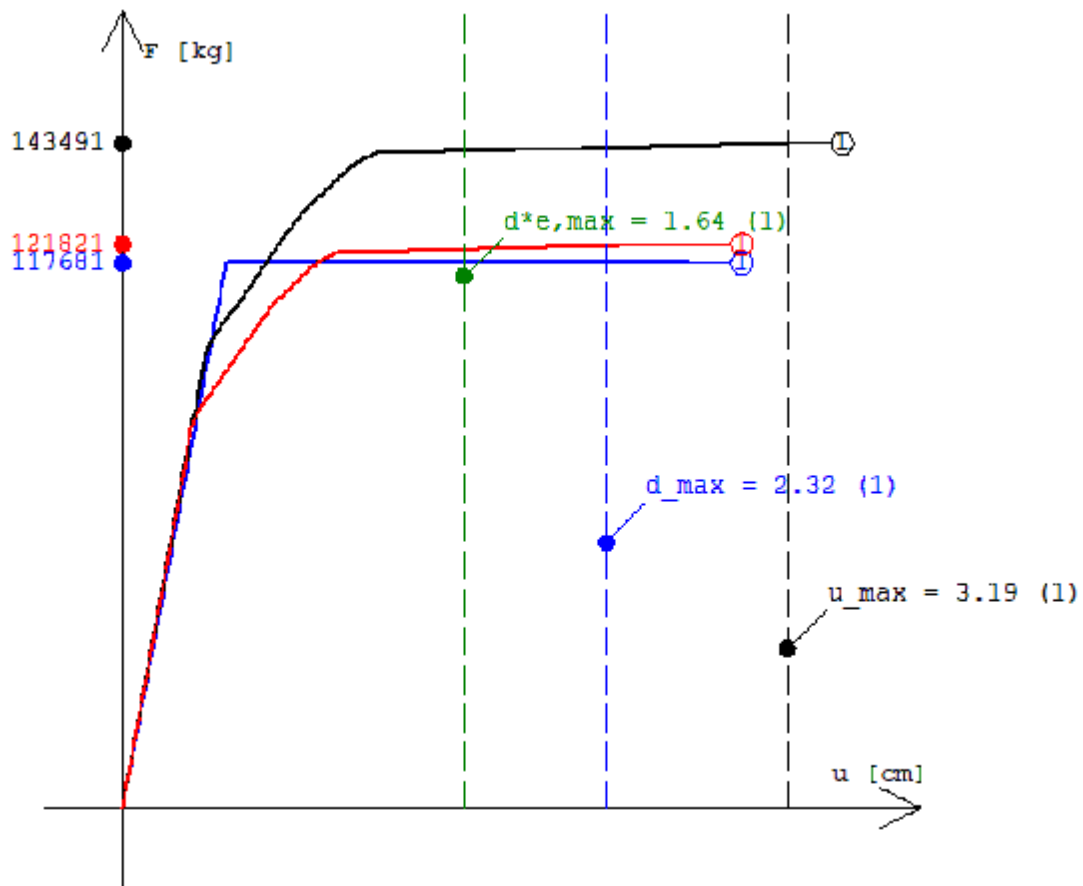


Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)





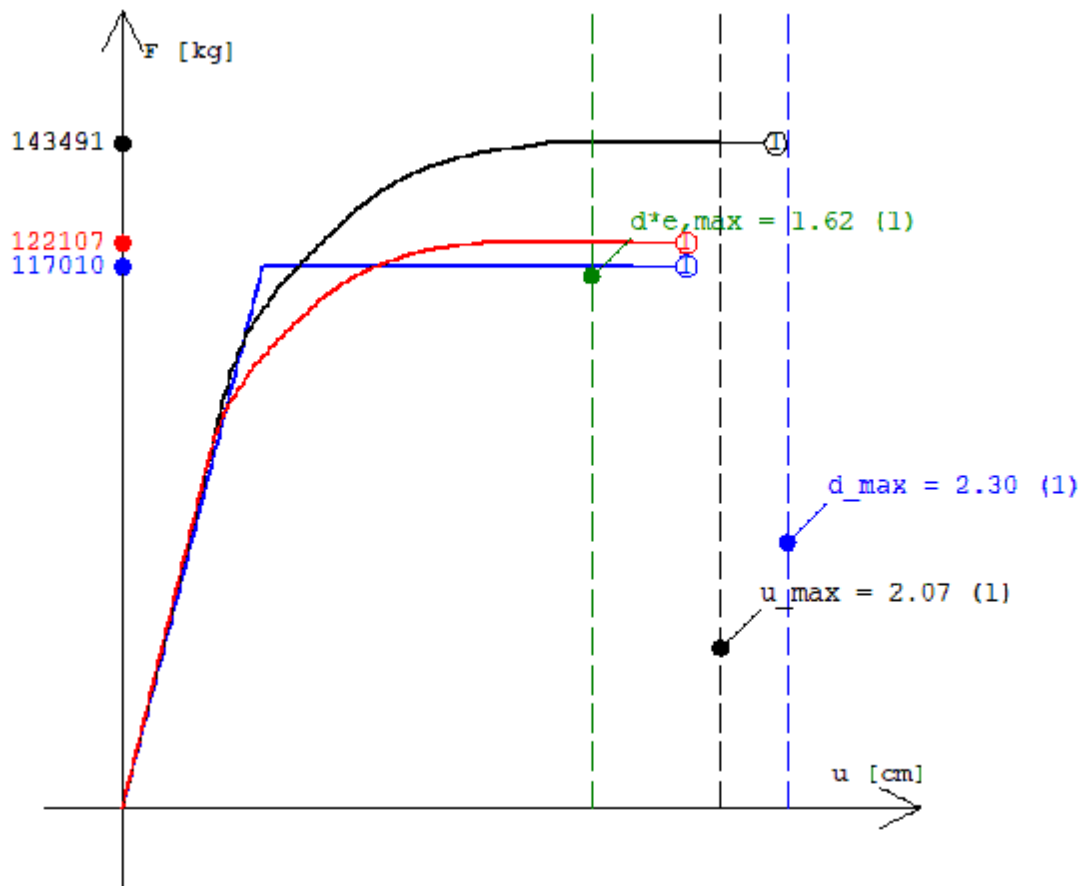
Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



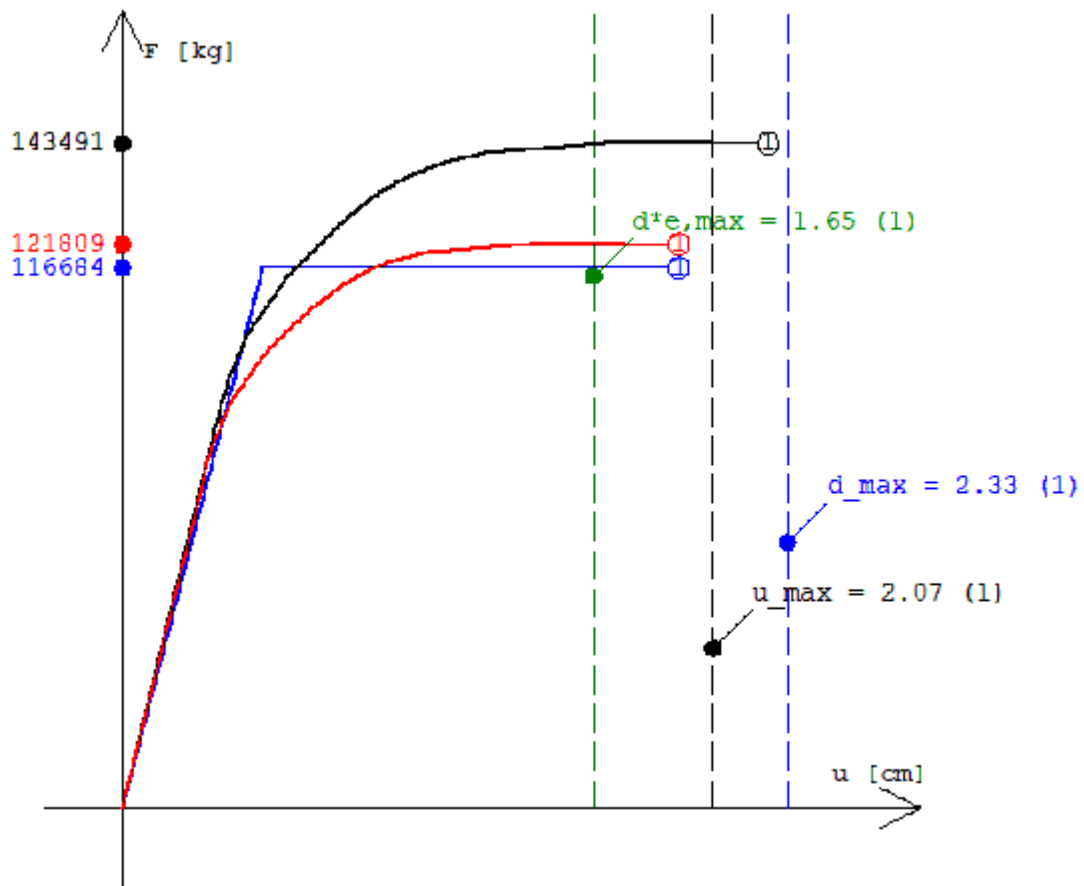
Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



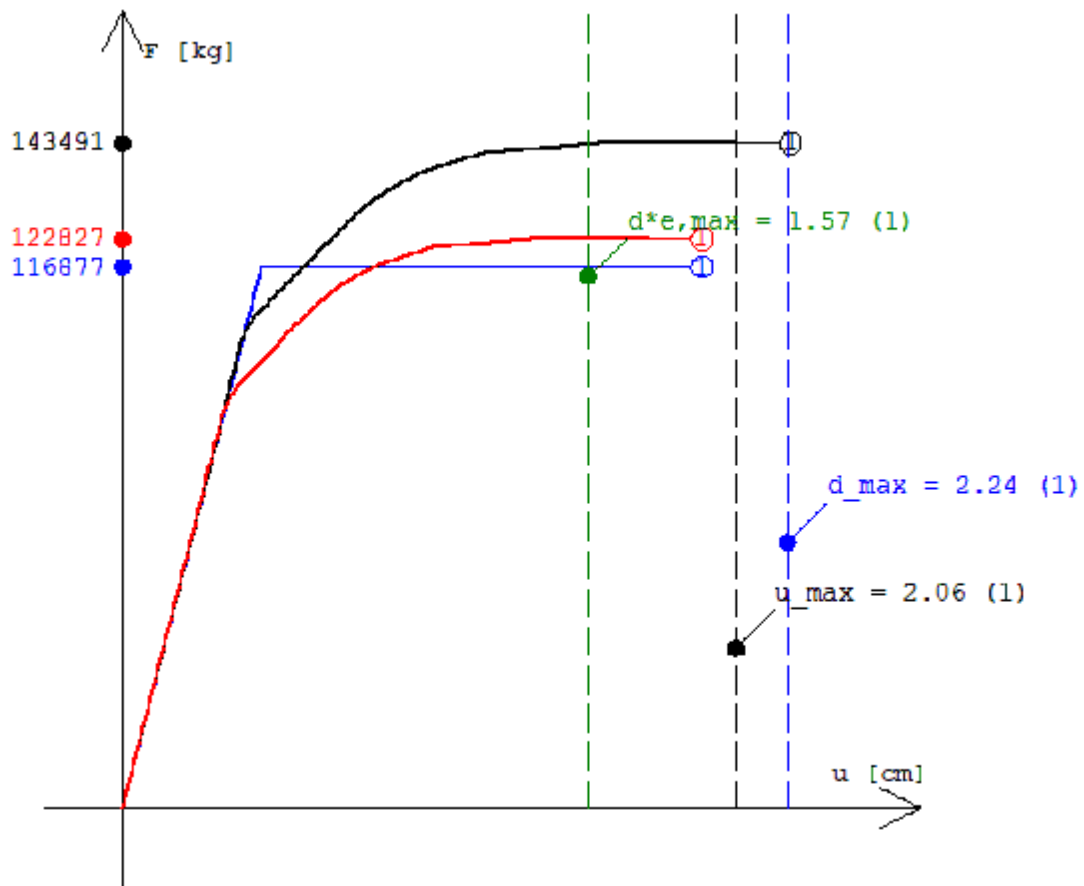
Cond\_Y\_2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



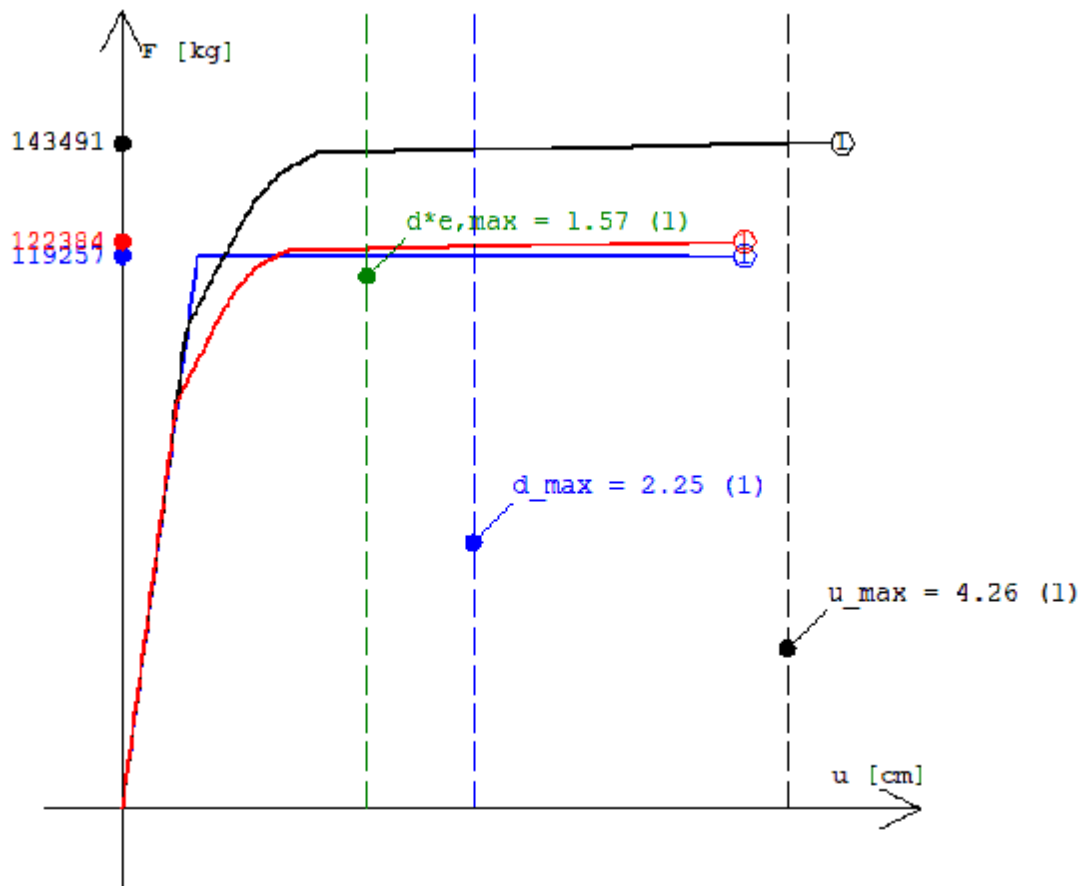
Cond\_Y\_2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



#### 4.2.8 Sistema bi-lineare equivalente. SLD

Tabella 9.I

$T^*$	: periodo elastico del sistema bi-lineare equivalente		
$k^*$	: rigidezza secante del sistema bi-lineare equivalente		
$m^*$	: massa partecipante del sistema bi-lineare equivalente		
$m$	: massa della struttura.		
% $m_1$	: percentuale massa partecipante della prima forma modale.		
$F_y^*$	: forza di snervamento del sistema bi-lineare equivalente		
$d_y^*$	: spostamento elastico del sistema bi-lineare equivalente		
$d_u^*$	: spostamento ultimo del sistema bi-lineare equivalente		
Cond_X_1(+); E(+); S2(+)	: 1) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;
Eccentricità accidentale (+ 0.05*Ly)			
Cond_X_1(+); E(+); S2(-) : 2)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_1(+); E(-); S2(+) : 3)	- Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_1(+); E(-); S2(-) : 4)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_1(-); E(+); S2(+) : 5)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_1(-); E(+); S2(-) : 6)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_1(-); E(-); S2(+) : 7)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_1(-); E(-); S2(-) : 8)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(+); E(+); S2(+)	: 9) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;
Eccentricità accidentale (+ 0.05*Ly)			
Cond_X_2(+); E(+); S2(-) : 10)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_2(+); E(-); S2(+) : 11)	- Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(+); E(-); S2(-) : 12)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(-); E(+); S2(+) : 13)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_2(-); E(+); S2(-) : 14)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_2(-); E(-); S2(+) : 15)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(-); E(-); S2(-) : 16)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_Y_1(+); E(+); S2(+)	: 17) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;
Eccentricità accidentale (+ 0.05*Lx)			
Cond_Y_1(+); E(+); S2(-) : 18)	- Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Lx)			
Cond_Y_1(+); E(-); S2(+) : 19)	- Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_1(+); E(-); S2(-) : 20)	- Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_1(-); E(+); S2(+) : 21)	- Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Lx)			
Cond_Y_1(-); E(+); S2(-) : 22)	- Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Lx)			
Cond_Y_1(-); E(-); S2(+) : 23)	- Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_1(-); E(-); S2(-) : 24)	- Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_2(+); E(+); S2(+)	: 25) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale altezze;
Eccentricità accidentale (+ 0.05*Lx)			



Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

	T* [sec]	k* [daN/cm]	m* [daNm]	m [daNm]	% m1	F* <sub>y</sub> [daN]	d* <sub>y</sub> [cm]	d* <sub>u</sub> [cm]
Cond_X_1(+); E(+); S2(+)	0.3314	267948.84	745.32	1061.4	64.08	156398.25	0.5837	0.9790
Cond_X_1(+); E(+); S2(-)	0.3313	267310.25	743.03	1061.4	63.91	158794.97	0.5940	1.3194
Cond_X_1(+); E(-); S2(+)	0.3316	267609.63	745.34	1061.4	64.09	158629.88	0.5928	1.1643
Cond_X_1(+); E(-); S2(-)	0.3315	266976.78	743.00	1061.4	63.91	158448.86	0.5935	1.2473
Cond_X_1(-); E(+); S2(+)	0.3326	264209.56	740.45	1061.4	64.13	160766.56	0.6085	1.4320
Cond_X_1(-); E(+); S2(-)	0.3322	264712.88	740.14	1061.4	63.98	158236.38	0.5978	1.3223
Cond_X_1(-); E(-); S2(+)	0.3329	263839.72	740.46	1061.4	64.14	161748.61	0.6131	1.7180
Cond_X_1(-); E(-); S2(-)	0.3324	264424.50	740.12	1061.4	63.98	158221.83	0.5984	1.3226
Cond_X_2(+); E(+); S2(+)	0.3696	215378.55	745.32	1061.4	64.08	132423.55	0.6148	1.2430
Cond_X_2(+); E(+); S2(-)	0.3700	214219.84	743.03	1061.4	63.91	130685.91	0.6101	1.3115
Cond_X_2(+); E(-); S2(+)	0.3698	215116.97	745.34	1061.4	64.09	132350.03	0.6152	1.2466
Cond_X_2(+); E(-); S2(-)	0.3703	213955.45	743.00	1061.4	63.91	130637.02	0.6106	1.3138
Cond_X_2(-); E(+); S2(+)	0.3717	211567.53	740.45	1061.4	64.13	132781.31	0.6276	1.5314
Cond_X_2(-); E(+); S2(-)	0.3719	211224.58	740.14	1061.4	63.98	131953.16	0.6247	1.4521
Cond_X_2(-); E(-); S2(+)	0.3720	211278.69	740.46	1061.4	64.14	132239.97	0.6259	1.3831
Cond_X_2(-); E(-); S2(-)	0.3712	212055.84	740.12	1061.4	63.98	127202.41	0.5999	1.0166
Cond_Y_1(+); E(+); S2(+)	0.3156	282529.84	712.88	1061.4	40.80	135512.75	0.4796	1.1386
Cond_Y_1(+); E(+); S2(-)	0.3149	283594.84	712.39	1061.4	43.14	136394.13	0.4809	1.2211
Cond_Y_1(+); E(-); S2(+)	0.3069	299820.34	715.25	1061.4	40.17	134410.02	0.4483	1.2054
Cond_Y_1(+); E(-); S2(-)	0.3048	302556.00	711.93	1061.4	41.97	132260.28	0.4371	1.1155
Cond_Y_1(-); E(+); S2(+)	0.3064	300722.78	715.11	1061.4	38.48	144689.56	0.4811	3.2280
Cond_Y_1(-); E(+); S2(-)	0.3068	298707.22	712.39	1061.4	38.70	134817.56	0.4513	1.0819
Cond_Y_1(-); E(-); S2(+)	0.3009	314226.25	720.88	1061.4	38.50	145193.88	0.4621	3.3026
Cond_Y_1(-); E(-); S2(-)	0.3003	314090.41	717.50	1061.4	38.54	144605.36	0.4604	3.2053
Cond_Y_2(+); E(+); S2(+)	0.3565	221432.88	712.88	1061.4	40.80	115820.75	0.5231	1.6017
Cond_Y_2(+); E(+); S2(-)	0.3559	222044.42	712.39	1061.4	43.14	114622.16	0.5162	1.4006
Cond_Y_2(+); E(-); S2(+)	0.3435	239365.06	715.25	1061.4	40.17	108602.16	0.4537	1.0814



<b>Cond_Y_2(+); E(-); S2(-)</b>	0.3406	242273.36	711.93	1061.4	41.97	107080.90	0.4420	1.0324
<b>Cond_Y_2(-); E(+); S2(+)</b>	0.3424	240864.50	715.11	1061.4	38.48	113605.82	0.4717	1.2479
<b>Cond_Y_2(-); E(+); S2(-)</b>	0.3457	235395.78	712.39	1061.4	38.70	114921.97	0.4882	1.4360
<b>Cond_Y_2(-); E(-); S2(+)</b>	0.3366	251140.38	720.88	1061.4	38.50	114302.57	0.4551	1.3721
<b>Cond_Y_2(-); E(-); S2(-)</b>	0.3362	250622.47	717.50	1061.4	38.54	109588.74	0.4373	1.0625

#### 4.2.9 Verifiche calcolo globale della struttura agli SLD.

Tabella 10.I

$F_{max}$	: valore massimo della forza orizzontale applicata sulla struttura (Taglio alla base della struttura);
$u_{max,C}$	: spostamento massimo raggiunto dal punto di controllo;
$\Gamma$	: coefficiente di partecipazione;
$F_{max}^*$	: $F_{max} / \Gamma$ ;
$u_{max}^*$	: $u_{max} / \Gamma$ ;
$q^*$	: fattore di comportamento ( $q^* = m^* S_e(T^*) / F^*y$ );
$u_{max}$	: capacità di spostamento della struttura;
$d_{max}$	: spostamento richiesto del punto di controllo della struttura;
$S$	: Coefficiente di sicurezza;
Esito	: V : Verificato
	: NV : Non Verificato;
Cond_X_1(+); E(+); S2(+)	: 1) - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(+); S2(-)	: 2) - Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(-); S2(+)	: 3) - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(+); E(-); S2(-)	: 4) - Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(+); S2(+)	: 5) - Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(+); S2(-)	: 6) - Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(-); S2(+)	: 7) - Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(-); S2(-)	: 8) - Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(+); S2(+)	: 9) - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(+); S2(-)	: 10) - Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(-); S2(+)	: 11) - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(-); S2(-)	: 12) - Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(+); S2(+)	: 13) - Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(+); S2(-)	: 14) - Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(-); S2(+)	: 15) - Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(-); S2(-)	: 16) - Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_Y_1(+); E(+); S2(+)	: 17) - Sisma Y (+); 0.3 * Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(+); E(+); S2(-)	: 18) - Sisma Y (+); 0.3 * Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Lx)



Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(+); E(-); S2(-) : 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(-); E(+); S2(+) : 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(-); E(+); S2(-) : 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(-); E(-); S2(+) : 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

	F <sub>max</sub> [daN]	u <sub>max,C</sub> [cm]	Γ	F* <sub>max</sub> [daN]	u* <sub>max</sub> [cm]	q*	u <sub>max</sub> [cm]	d <sub>max</sub> [cm]	S	Esito
Cond_X_1(+); E(+); S2(+)	184488	1.0948	1.1183	164977	0.9790	1.1519	1.0948	0.7870	1.39	V
Cond_X_1(+); E(+); S2(-)	184488	1.4774	1.1198	164756	1.3194	1.1310	1.4774	0.7833	1.89	V
Cond_X_1(+); E(-); S2(+)	184488	1.3022	1.1184	164956	1.1643	1.1357	1.3022	0.7848	1.66	V
Cond_X_1(+); E(-); S2(-)	184488	1.3968	1.1199	164740	1.2473	1.1334	1.3968	0.7848	1.78	V
Cond_X_1(-); E(+); S2(+)	186538	1.6102	1.1245	165892	1.4320	1.1133	1.6102	0.7888	2.04	V
Cond_X_1(-); E(+); S2(-)	184488	1.4859	1.1238	164166	1.3223	1.1306	1.4859	0.7903	1.88	V
Cond_X_1(-); E(-); S2(+)	186538	1.9321	1.1246	165871	1.7180	1.1065	1.9321	0.7885	2.45	V
Cond_X_1(-); E(-); S2(-)	184488	1.4865	1.1239	164149	1.3226	1.1306	1.4865	0.7912	1.88	V
Cond_X_2(+); E(+); S2(+)	153740	1.3900	1.1183	137481	1.2430	1.3604	1.3900	0.9886	1.41	V
Cond_X_2(+); E(+); S2(-)	151690	1.4686	1.1198	135466	1.3115	1.3743	1.4686	0.9933	1.48	V
Cond_X_2(+); E(-); S2(+)	153740	1.3942	1.1184	137463	1.2466	1.3612	1.3942	0.9898	1.41	V
Cond_X_2(+); E(-); S2(-)	151690	1.4713	1.1199	135453	1.3138	1.3747	1.4713	0.9945	1.48	V
Cond_X_2(-); E(+); S2(+)	153740	1.7220	1.1245	136724	1.5314	1.3479	1.7220	1.0023	1.72	V
Cond_X_2(-); E(+); S2(-)	153740	1.6318	1.1238	136805	1.4521	1.3558	1.6318	1.0036	1.63	V
Cond_X_2(-); E(-); S2(+)	153740	1.5555	1.1246	136706	1.3831	1.3534	1.5555	1.0042	1.55	V
Cond_X_2(-); E(-); S2(-)	151690	1.1425	1.1239	134967	1.0166	1.4064	1.1425	1.0056	1.14	V
Cond_Y_1(+); E(+); S2(+)	172189	1.3415	1.1782	146150	1.1386	1.2715	1.3415	0.7834	1.71	V
Cond_Y_1(+); E(+); S2(-)	172189	1.4387	1.1783	146137	1.2211	1.2625	1.4387	0.7787	1.85	V



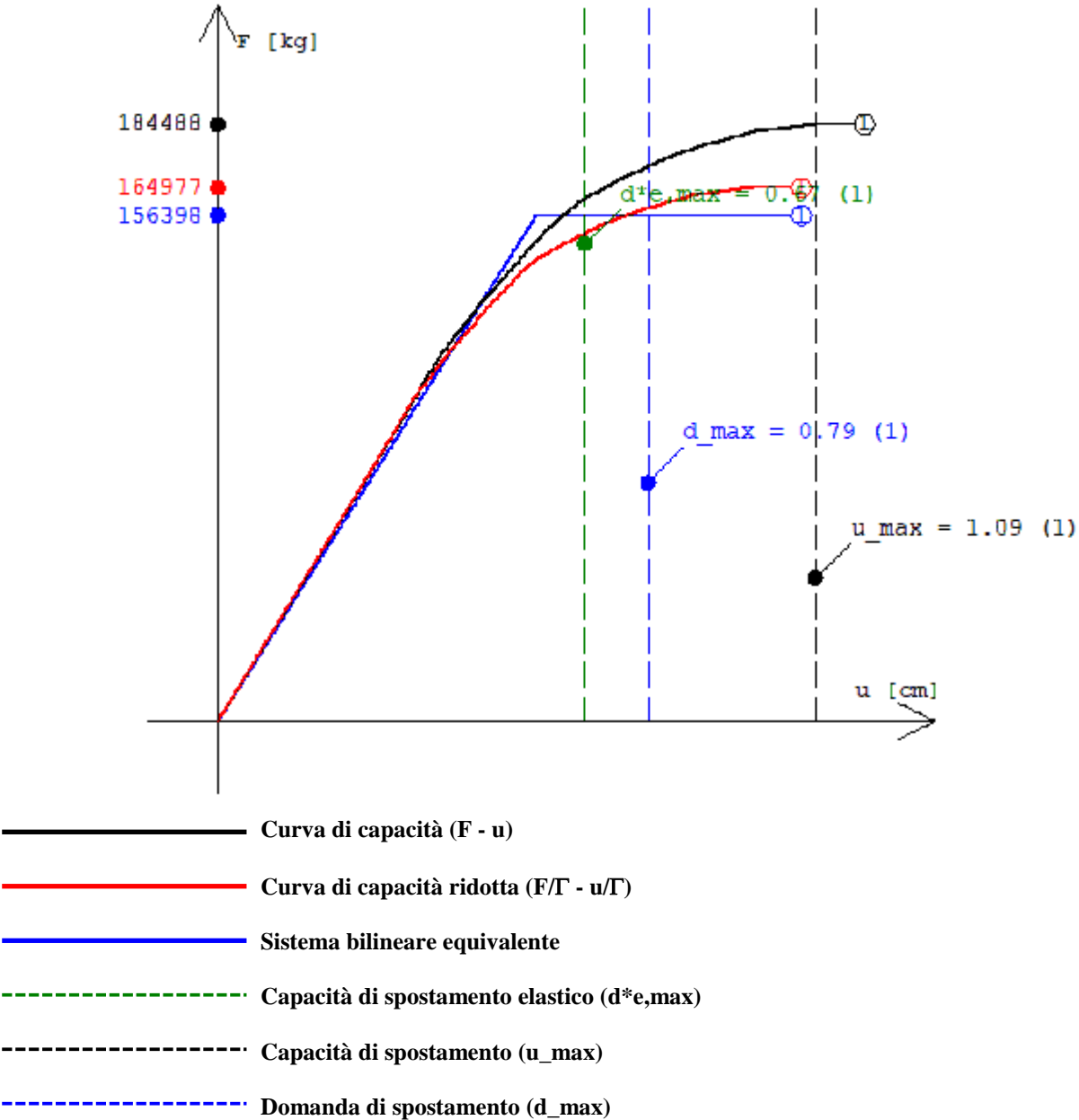
<b>Cond_Y_1(+); E(-); S2(+)</b>	172189	1.4170	1.1755	146481	1.2054	1.2862	1.4170	0.7477	1.90	V
<b>Cond_Y_1(+); E(-); S2(-)</b>	172189	1.3140	1.1779	146185	1.1155	1.3011	1.3140	0.7433	1.77	V
<b>Cond_Y_1(-); E(+); S2(+)</b>	174239	3.7933	1.1751	148273	3.2280	1.1946	3.7933	0.7267	5.22	V
<b>Cond_Y_1(-); E(+); S2(-)</b>	172189	1.2745	1.1780	146171	1.0819	1.2772	1.2745	0.7473	1.71	V
<b>Cond_Y_1(-); E(-); S2(+)</b>	174239	3.8582	1.1682	149147	3.3026	1.2001	3.8582	0.7009	5.50	V
<b>Cond_Y_1(-); E(-); S2(-)</b>	174239	3.7581	1.1725	148610	3.2053	1.1993	3.7581	0.7007	5.36	V
<b>Cond_Y_2(+); E(+); S2(+)</b>	143491	1.8871	1.1782	121791	1.6017	1.4877	1.8871	0.9948	1.90	V
<b>Cond_Y_2(+); E(+); S2(-)</b>	143491	1.6503	1.1783	121781	1.4006	1.5023	1.6503	0.9937	1.66	V
<b>Cond_Y_2(+); E(-); S2(+)</b>	141441	1.2712	1.1755	120324	1.0814	1.5919	1.2712	0.9460	1.34	V
<b>Cond_Y_2(+); E(-); S2(-)</b>	141441	1.2160	1.1779	120080	1.0324	1.6070	1.2160	0.9372	1.30	V
<b>Cond_Y_2(-); E(+); S2(+)</b>	143491	1.4664	1.1751	122107	1.2479	1.5215	1.4664	0.9333	1.57	V
<b>Cond_Y_2(-); E(+); S2(-)</b>	143491	1.6916	1.1780	121809	1.4360	1.4983	1.6916	0.9474	1.79	V
<b>Cond_Y_2(-); E(-); S2(+)</b>	143491	1.6029	1.1682	122827	1.3721	1.5244	1.6029	0.9036	1.77	V
<b>Cond_Y_2(-); E(-); S2(-)</b>	141441	1.2458	1.1725	120636	1.0625	1.5825	1.2458	0.9115	1.37	V

#### 4.2.10 Grafici Analisi non Lineare. SLD

Tabella 11.I

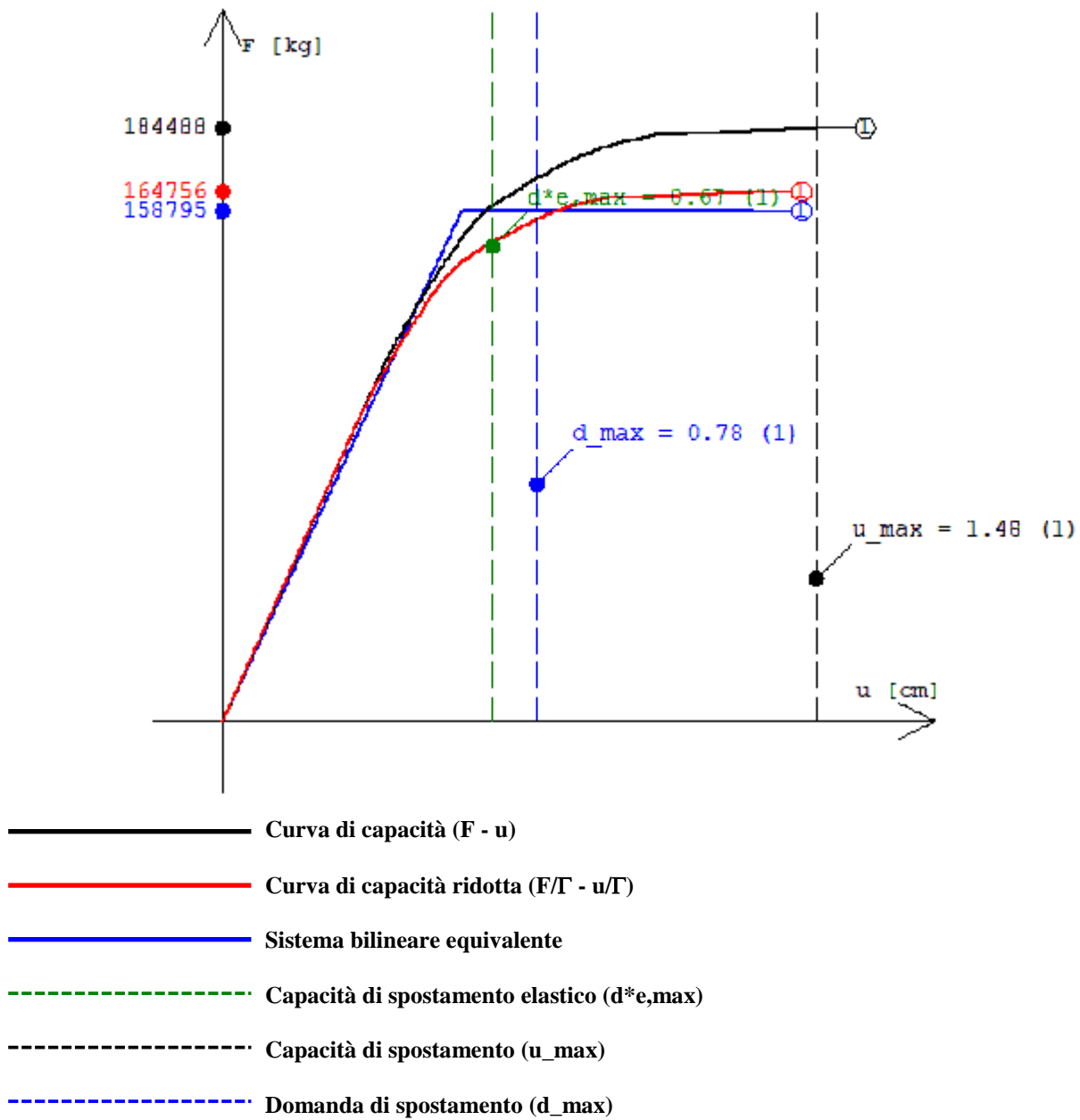
**Cond\_X\_1(+); E(+); S2(+)** : 1) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)





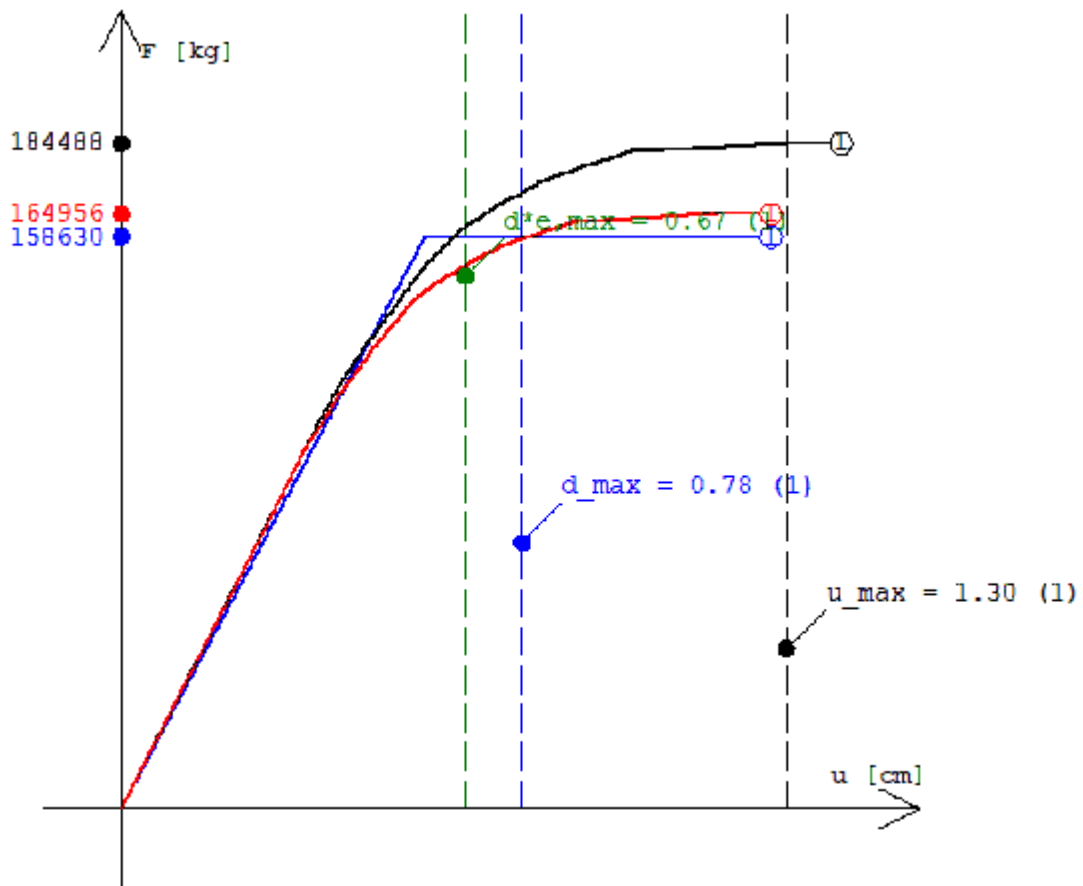


Cond\_X\_1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)





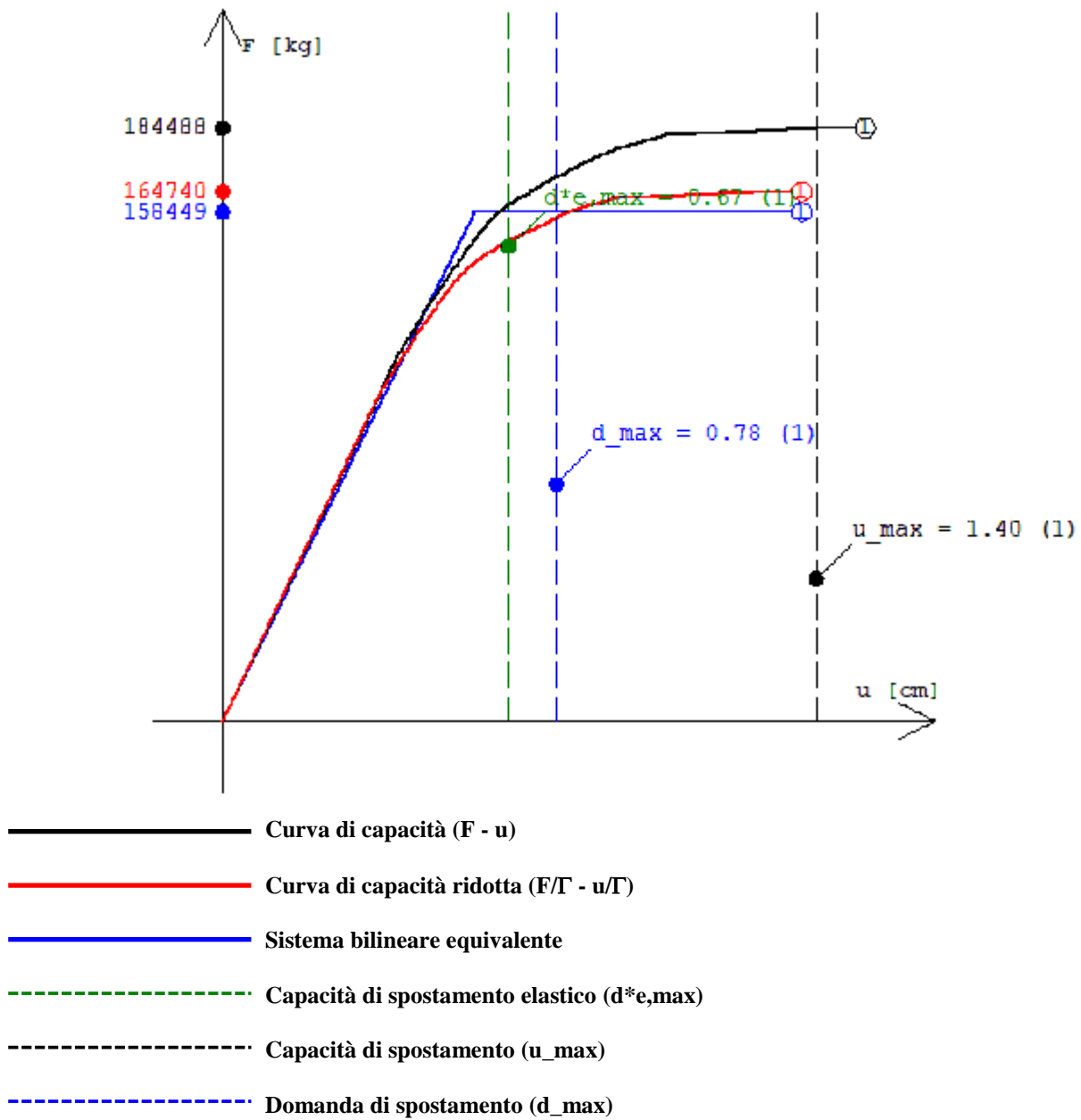
Cond\_X\_1(+); E(-); S2(+): 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

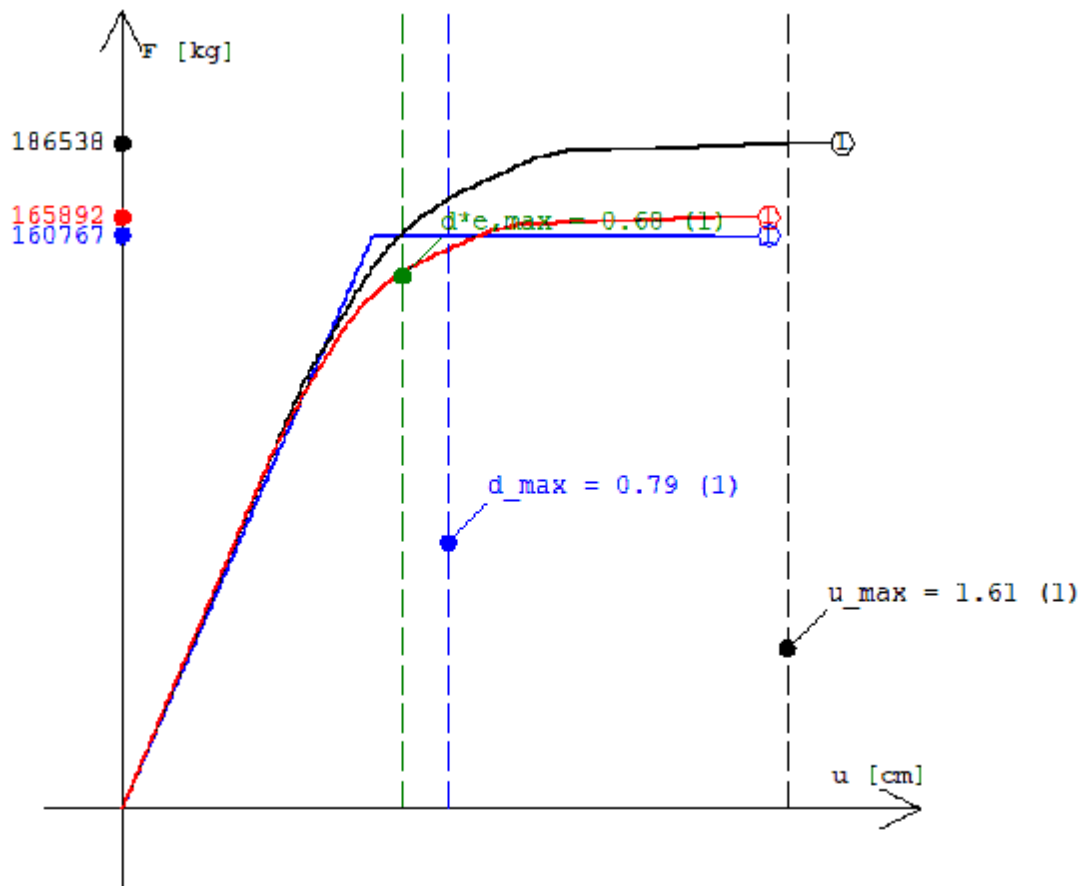


Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)





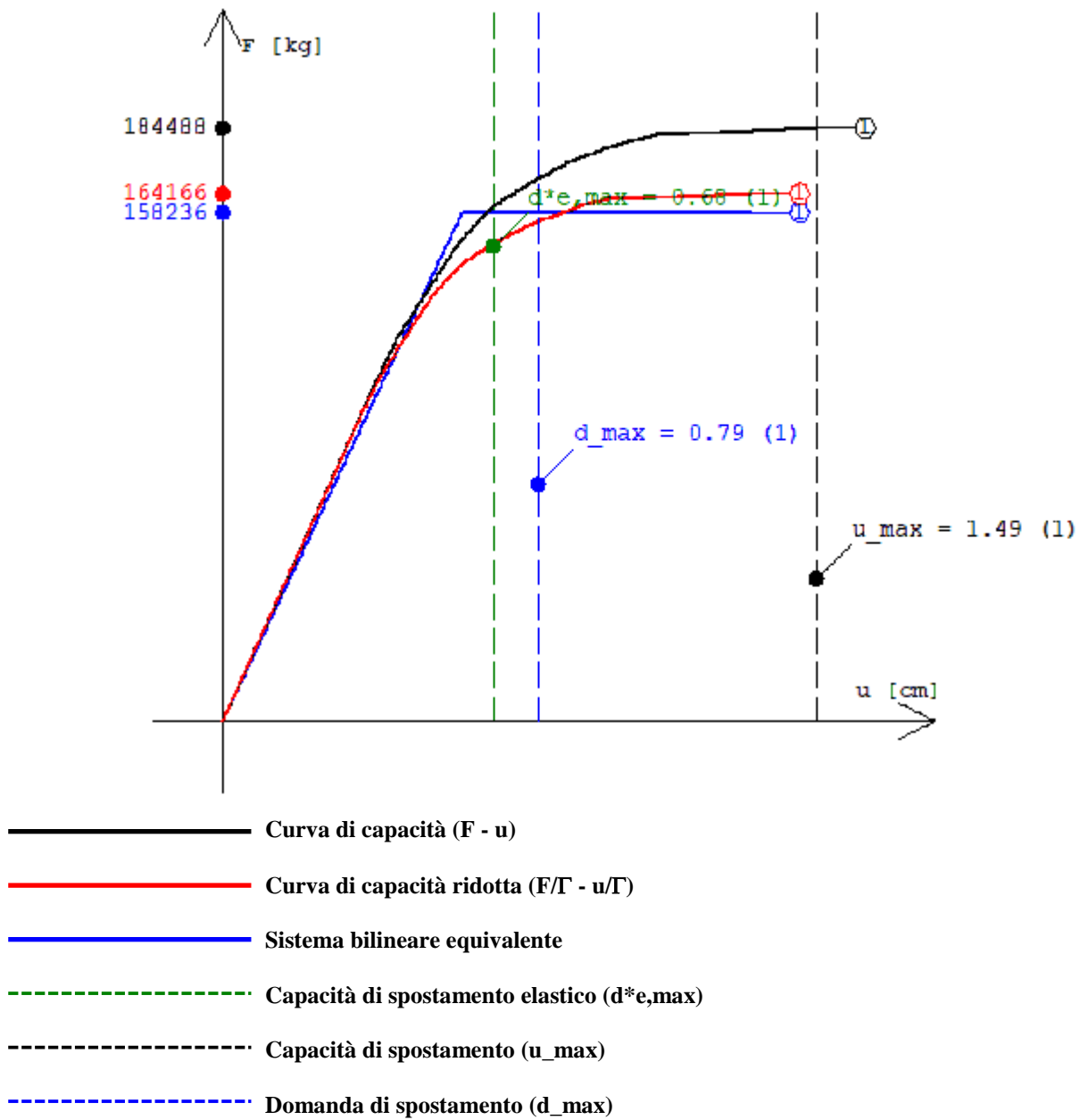
Cond\_X\_1(-); E(+); S2(+) : 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

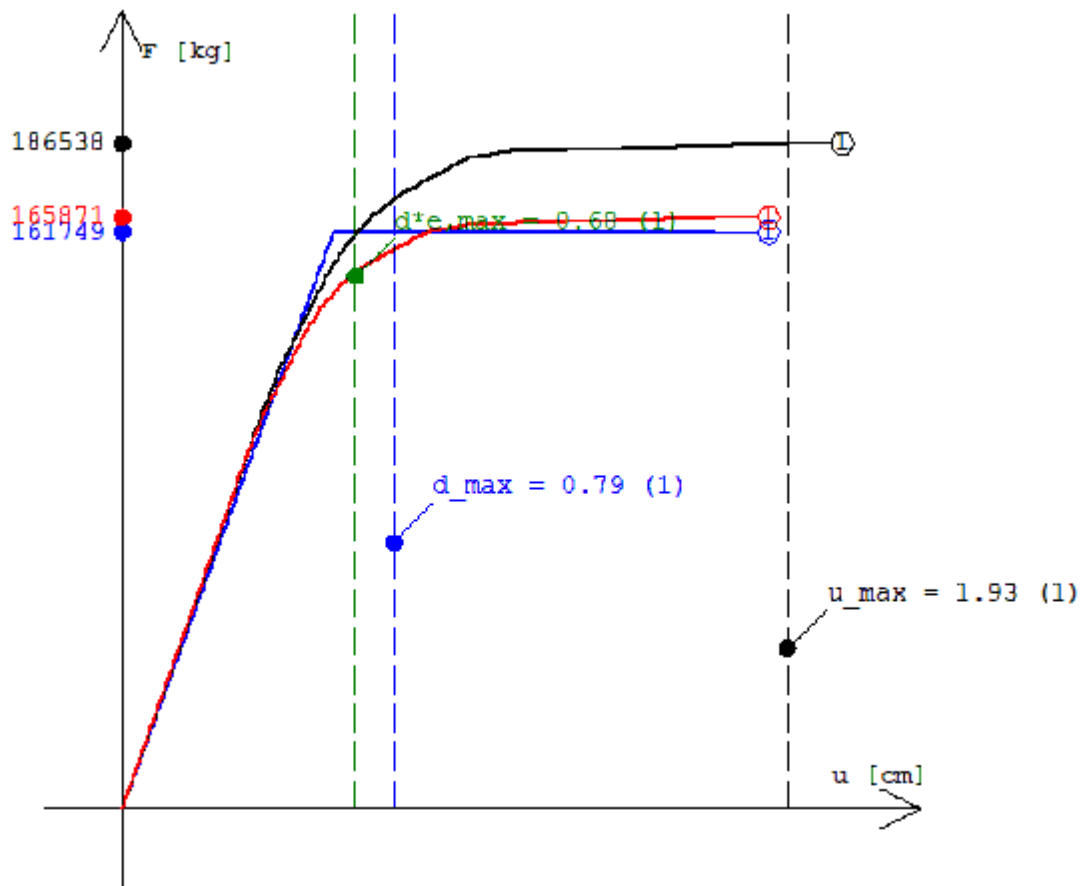


Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



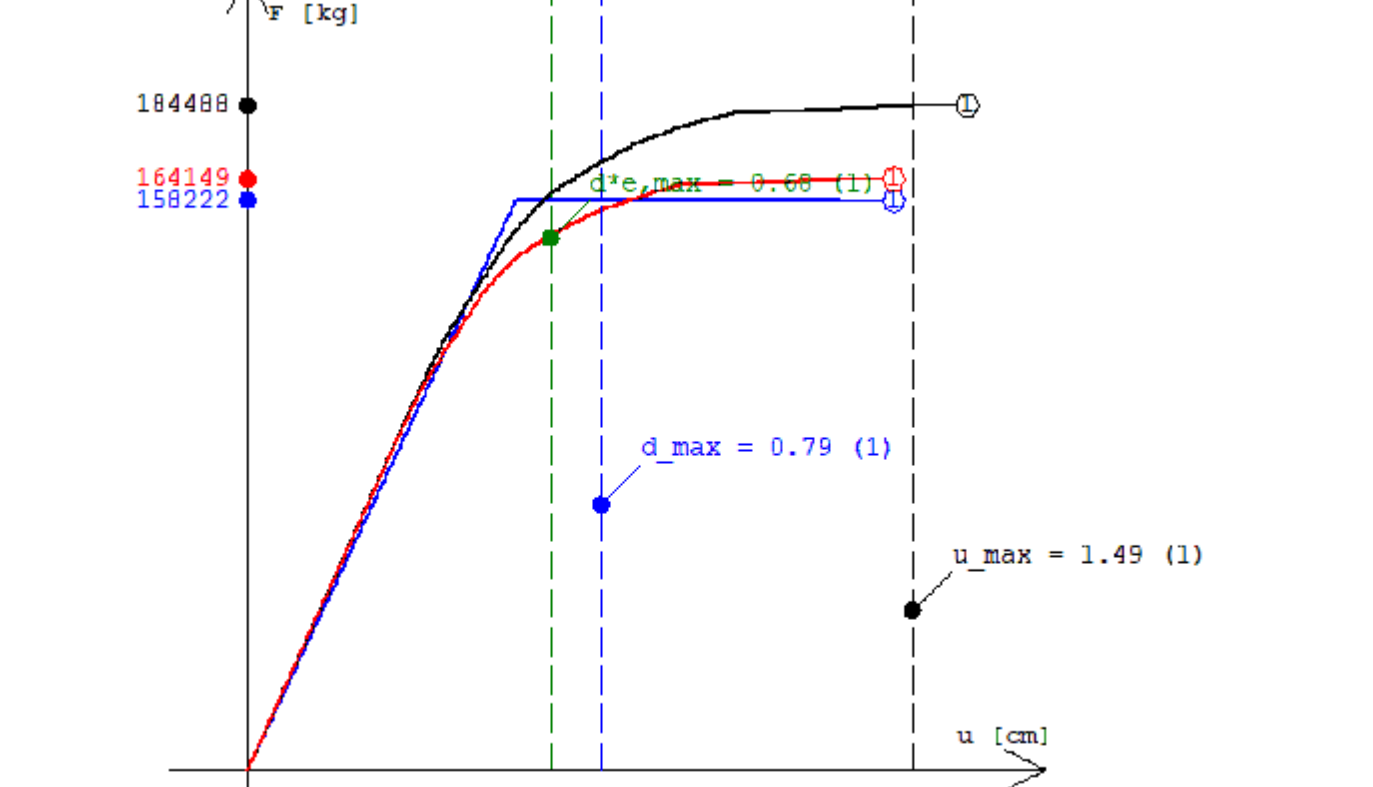








Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

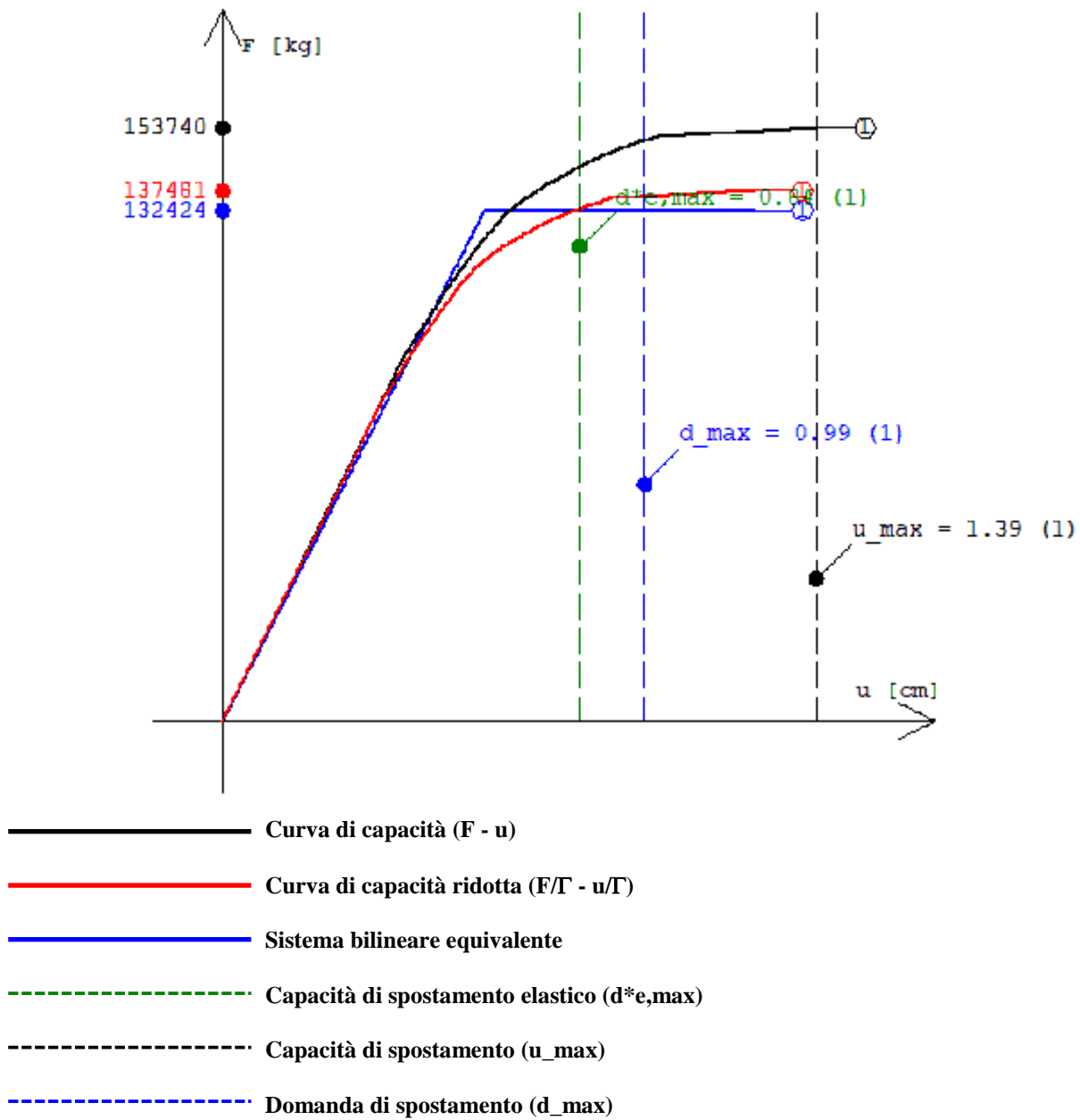




-  Curva di capacità ( $F - u$ )
-  Curva di capacità ridotta ( $F/T - u/T$ )
-  Sistema bilineare equivalente
-  Capacità di spostamento elastico ( $d^*e_{max}$ )
-  Capacità di spostamento ( $u_{max}$ )
-  Domanda di spostamento ( $d_{max}$ )

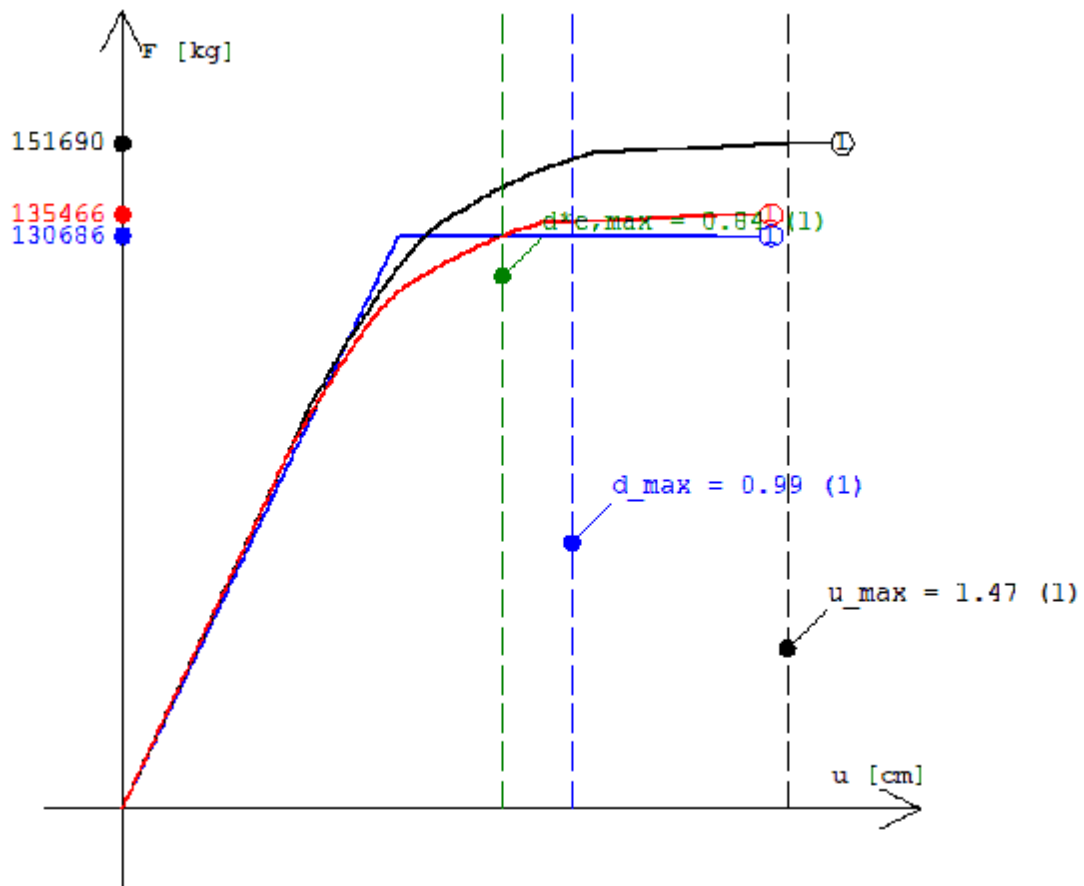


Cond\_X\_2(+); E(+); S2(+): 9 - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)





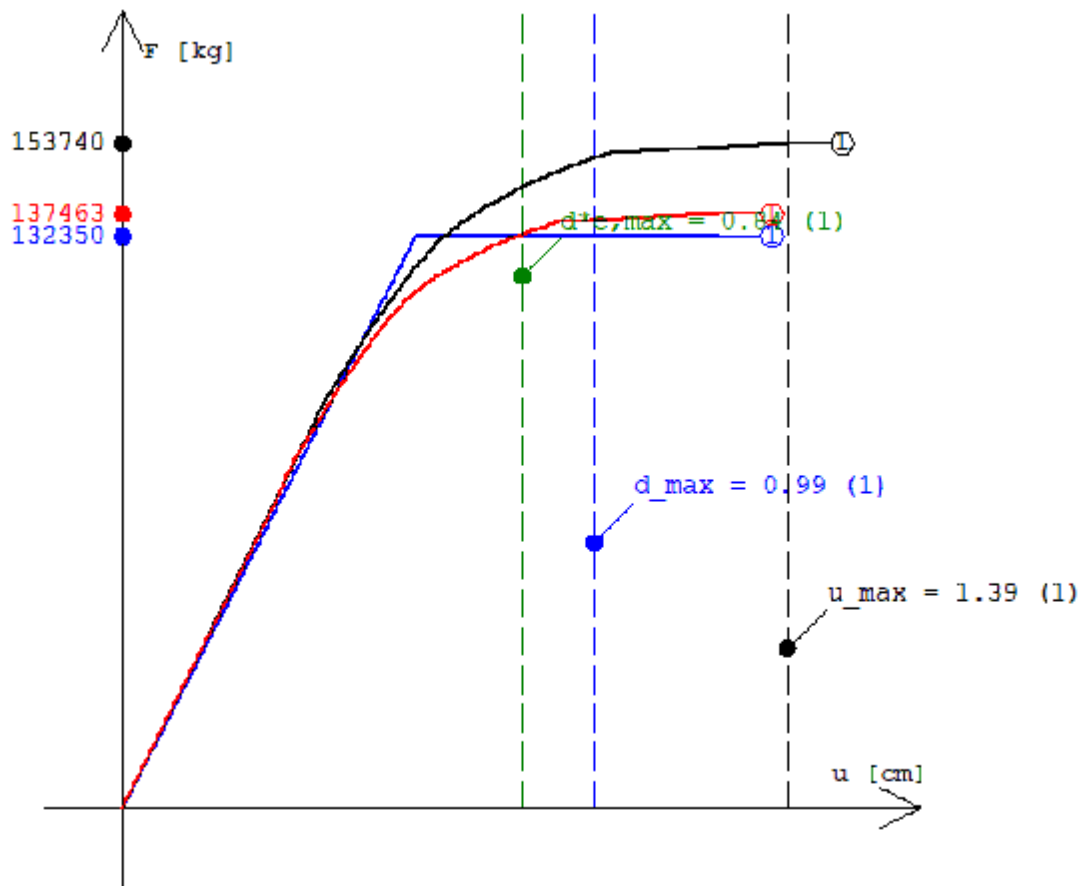
Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



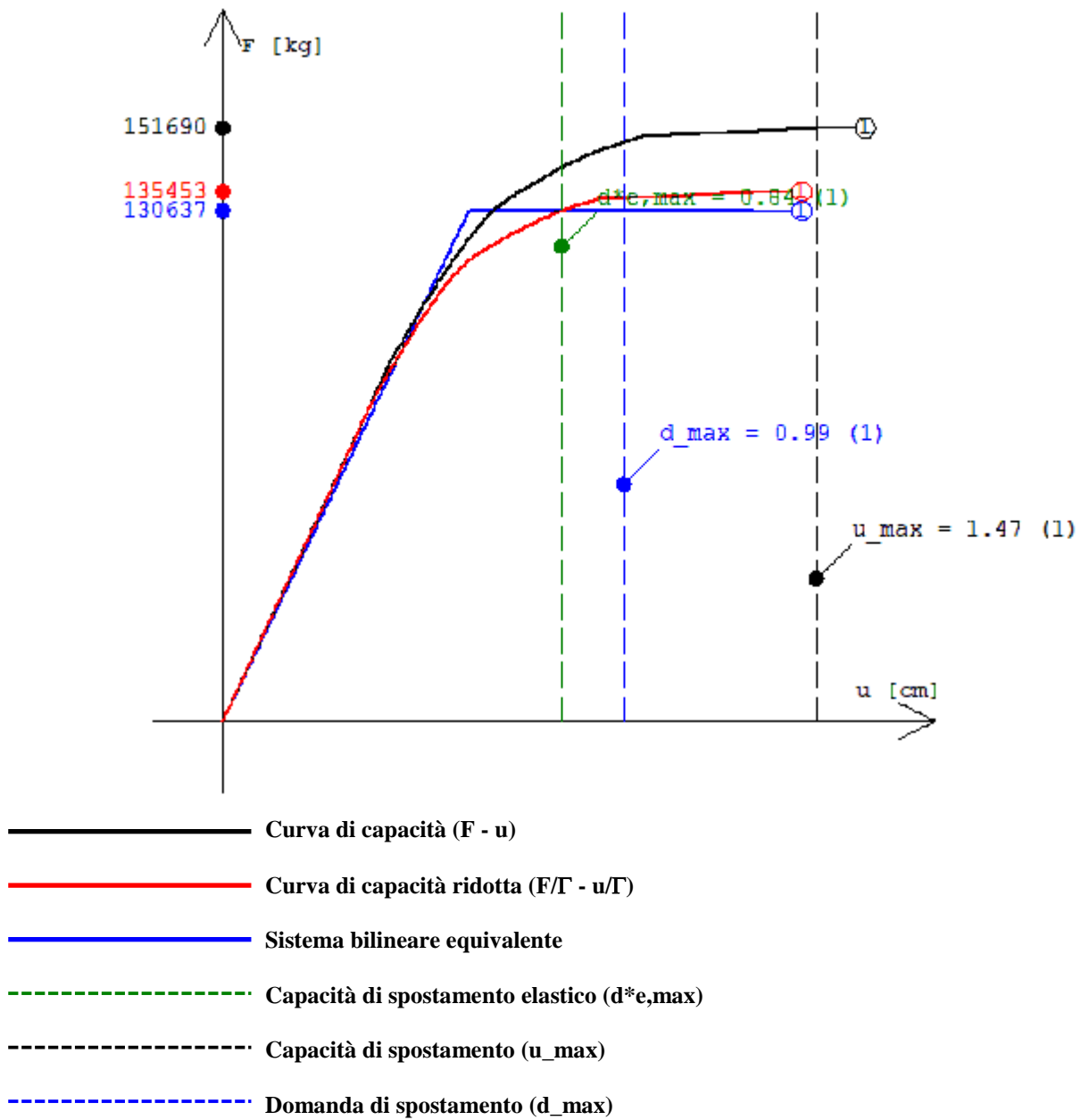
Cond\_X\_2(+); E(-); S2(+): 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - Capacità di spostamento ( $u_max$ )
- - - Domanda di spostamento ( $d_max$ )

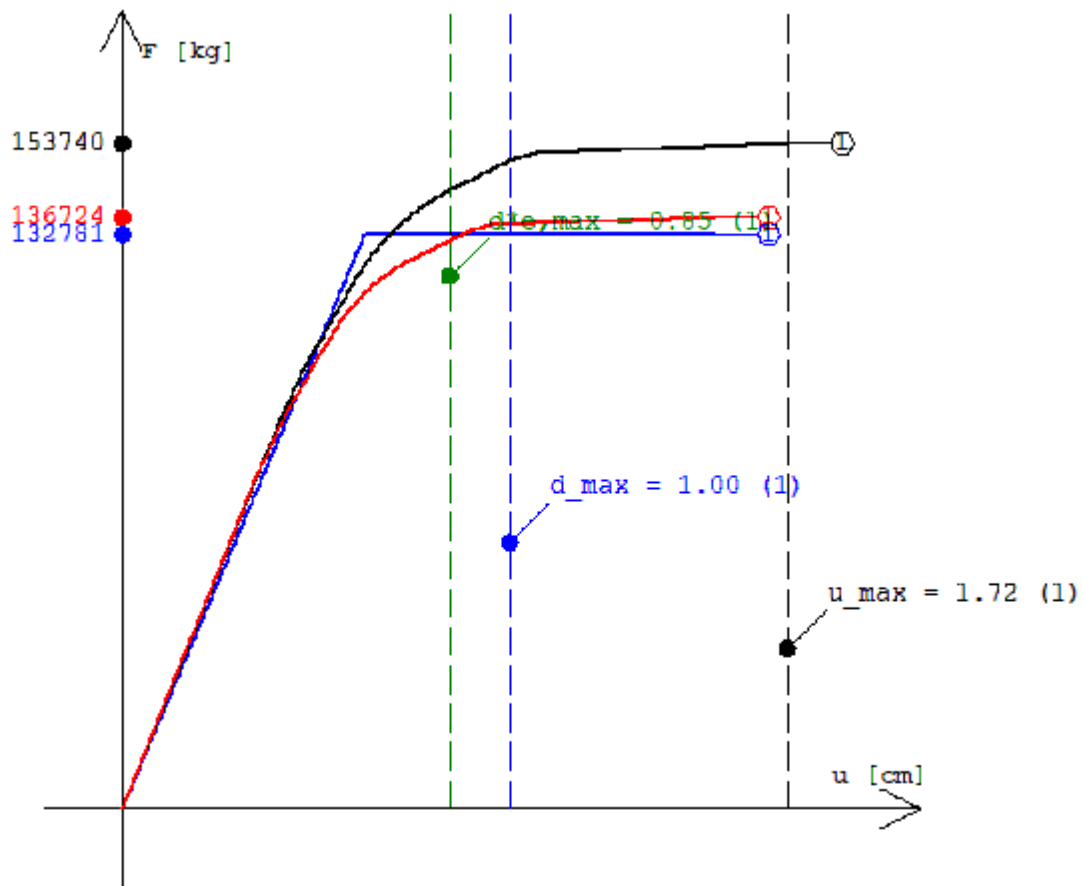


Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)





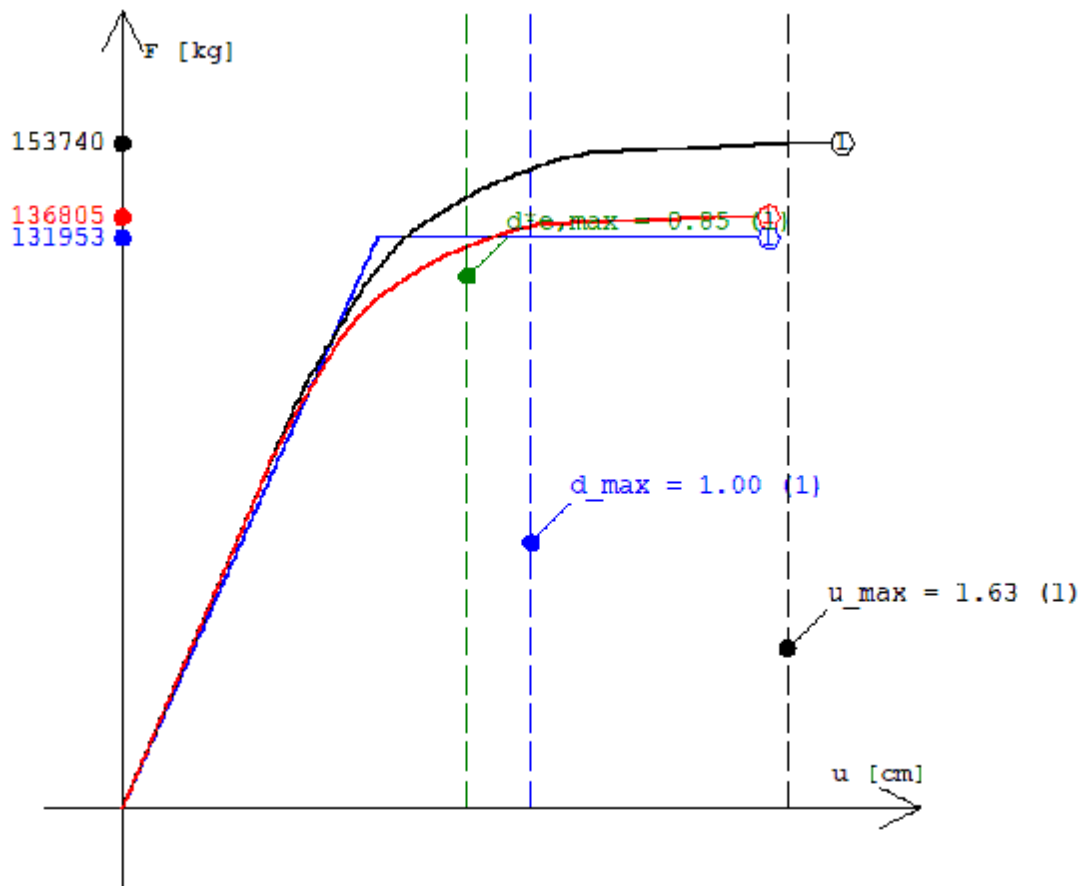
Cond\_X\_2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



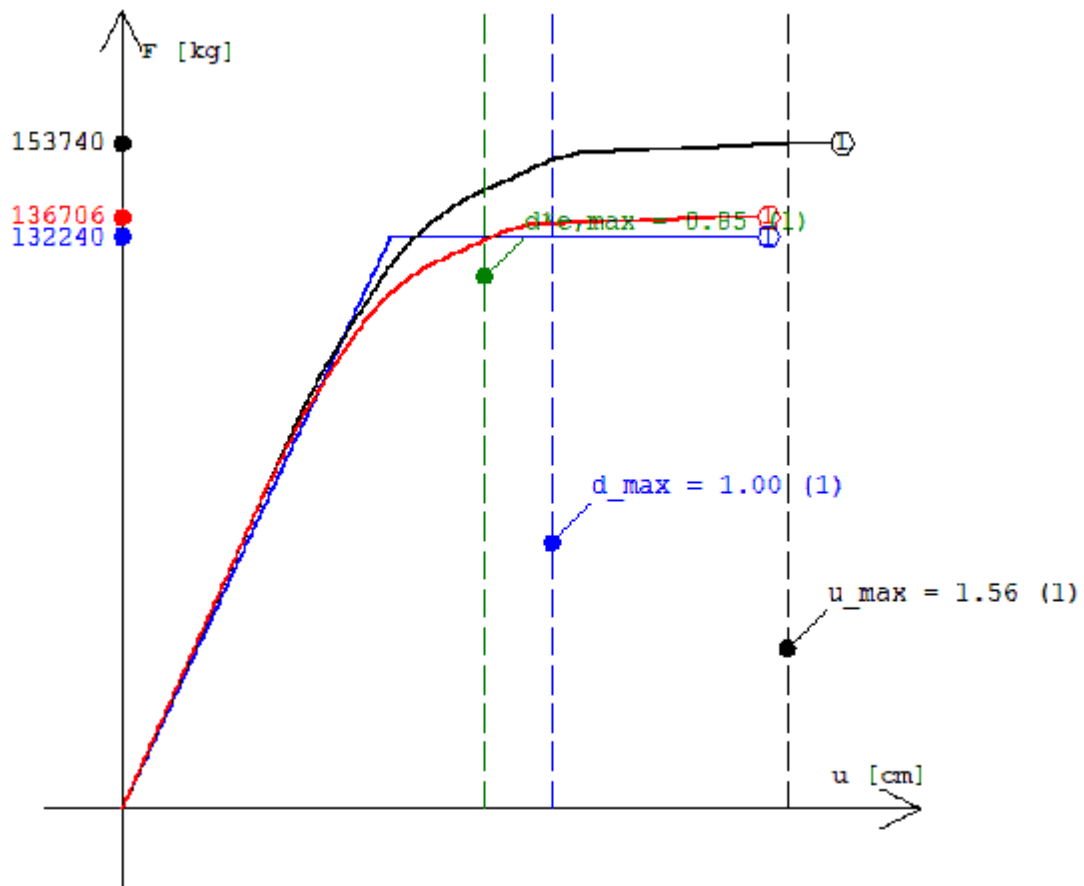
Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{ie,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



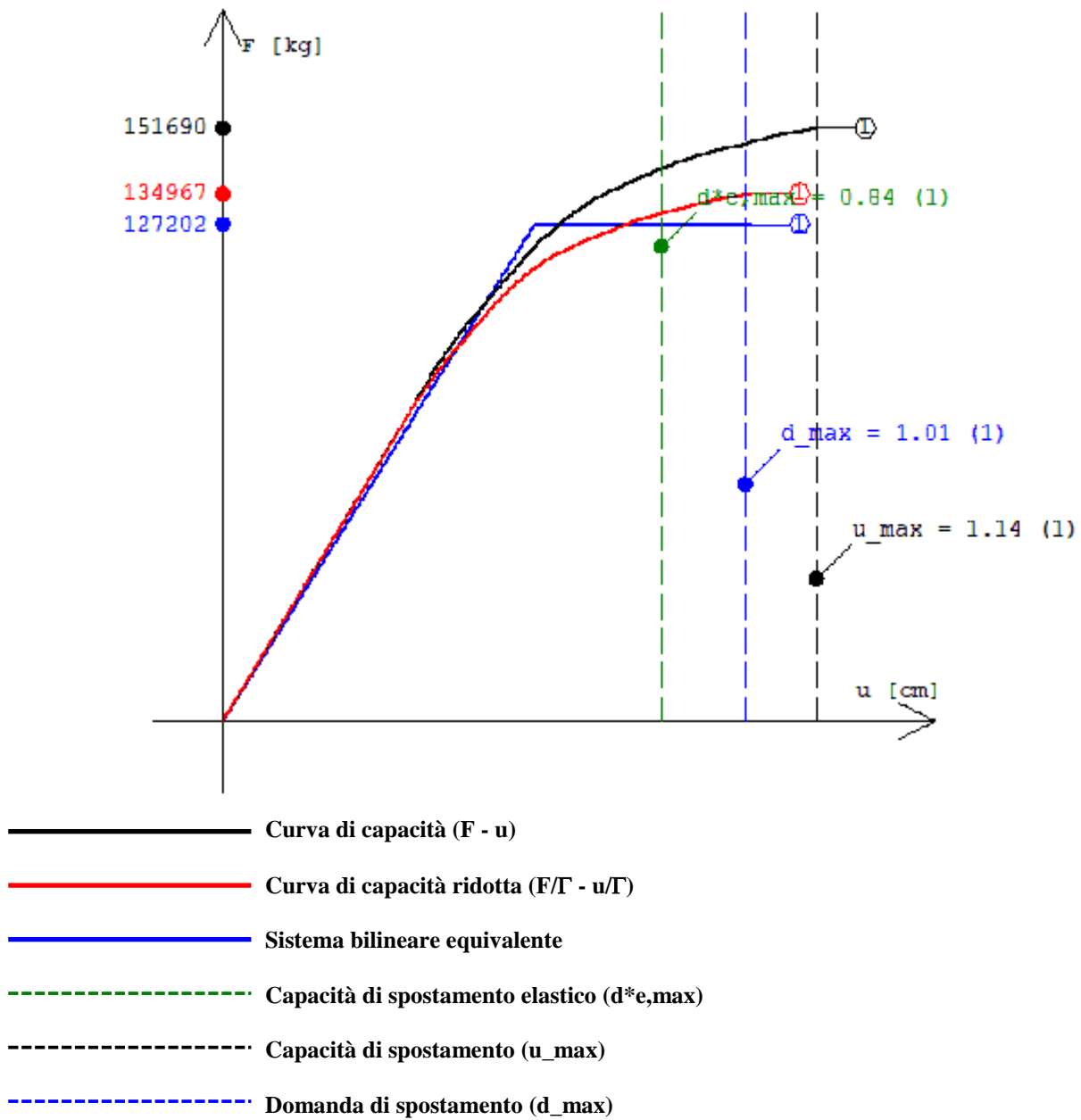
Cond\_X\_2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

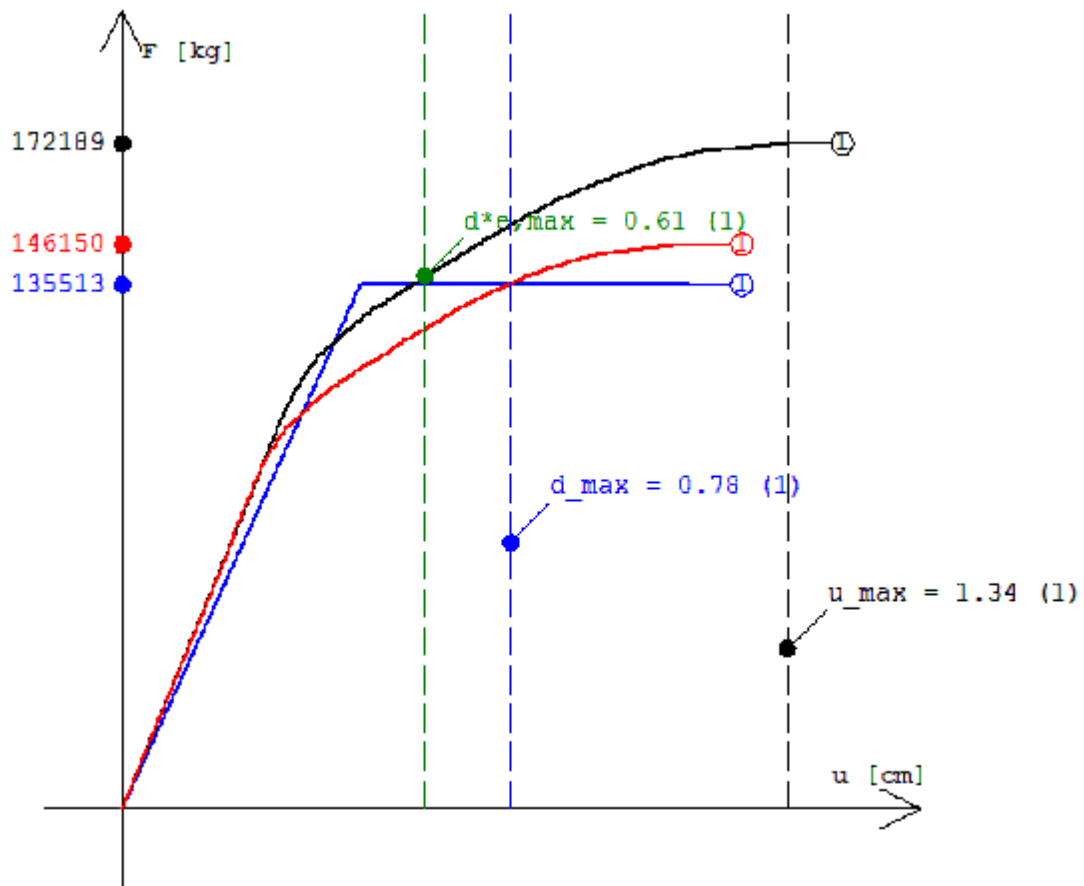


Cond\_X\_2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)





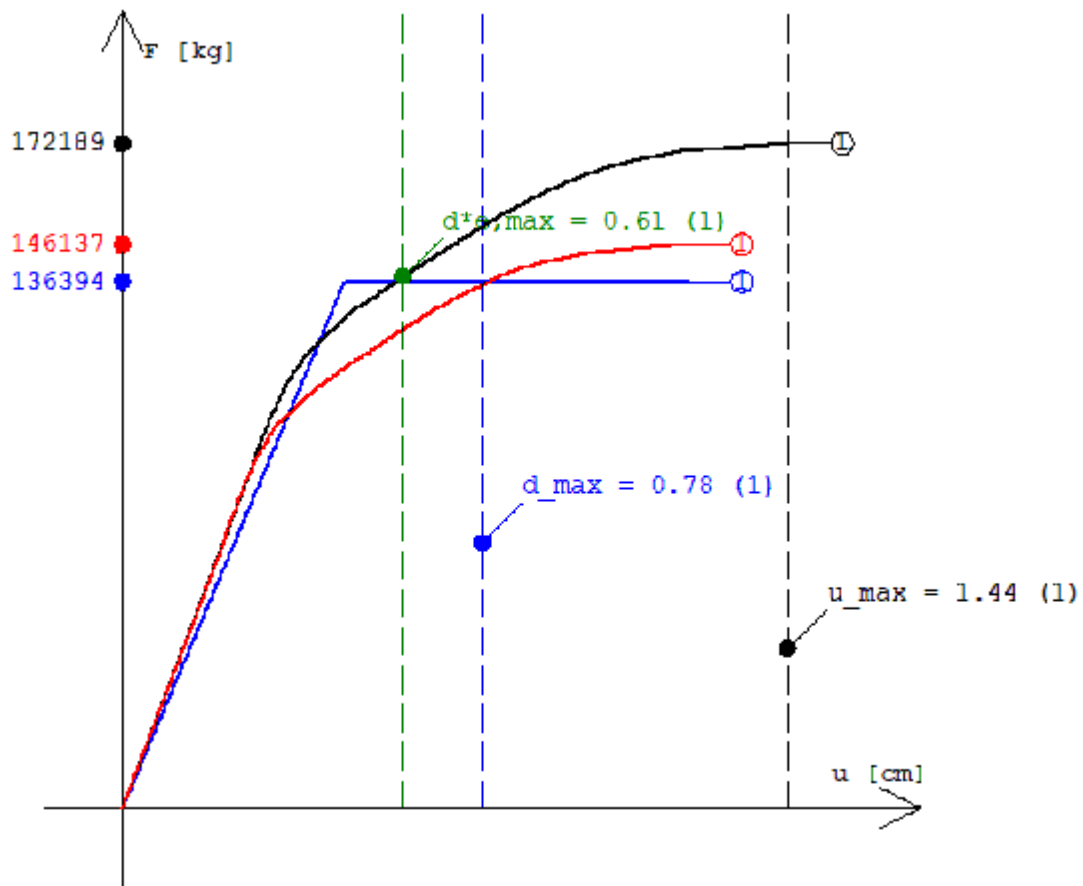
Cond\_Y\_1(+); E(+); S2(+): 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{y,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



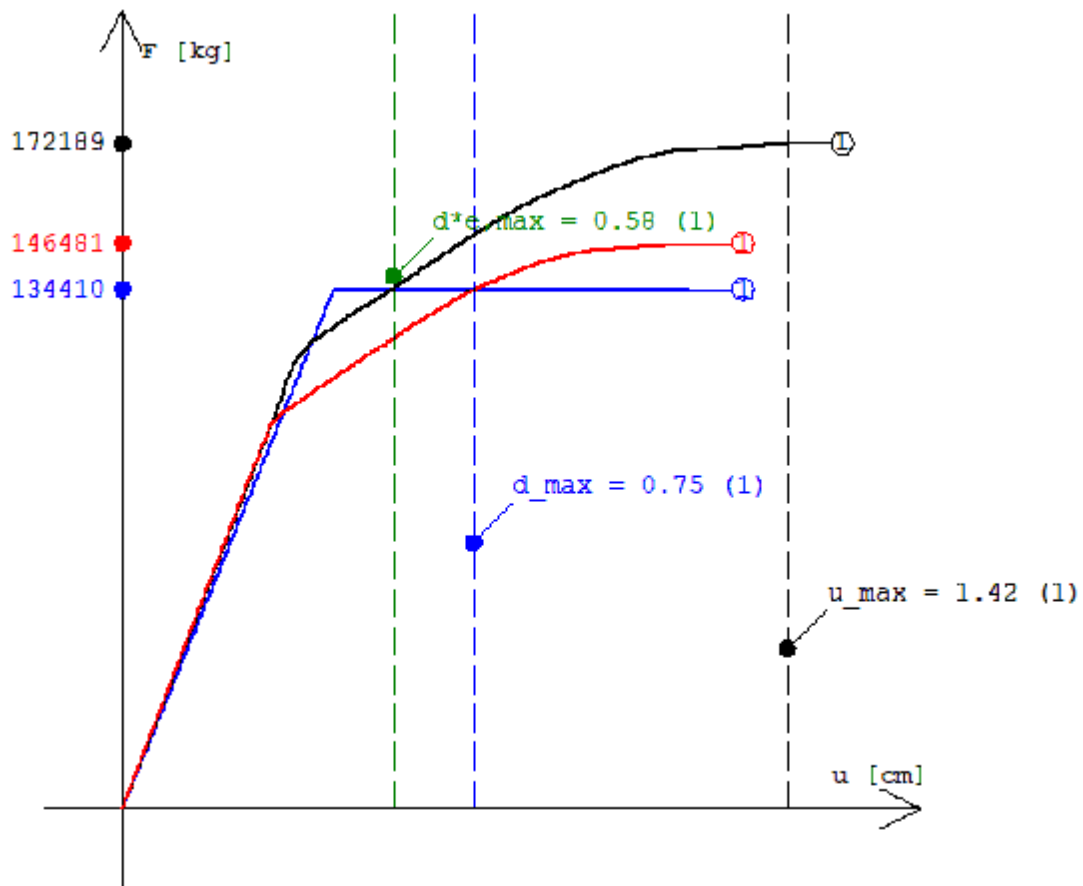
Cond\_Y\_1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



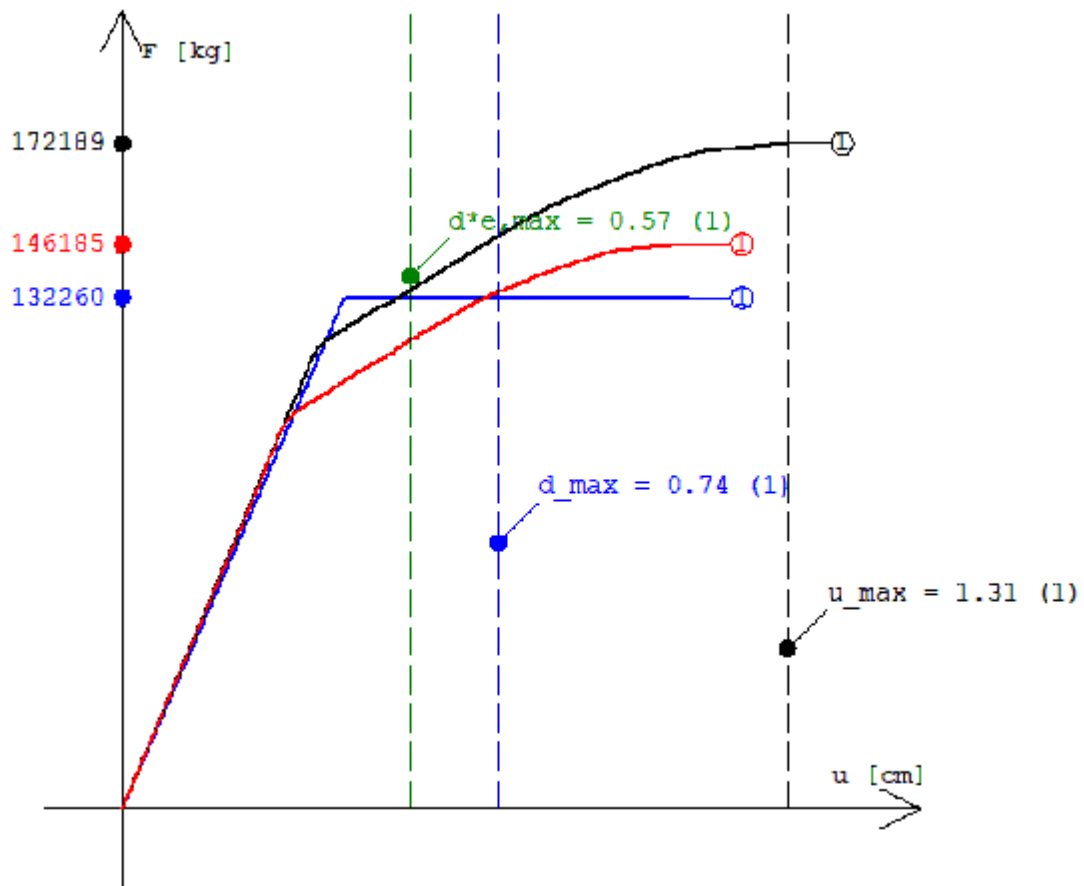
Cond\_Y\_1(+); E(-); S2(+) : 19 - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



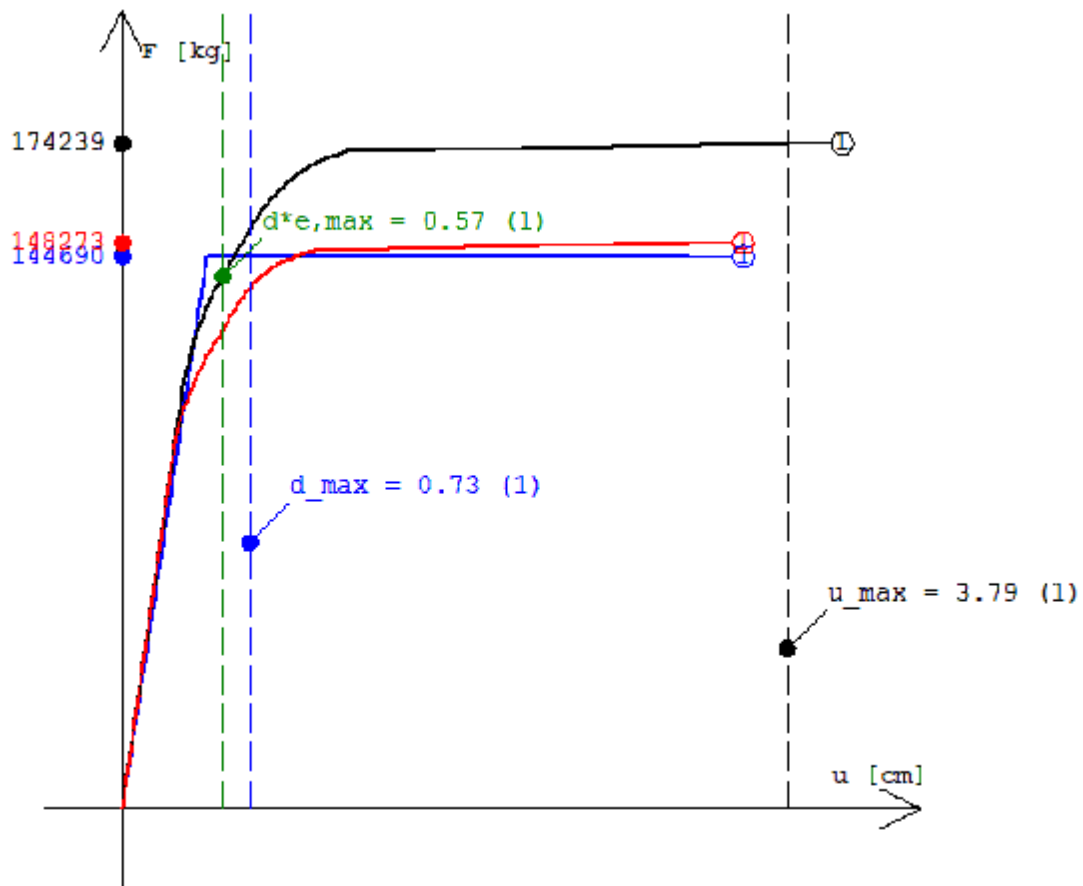
Cond\_Y\_1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



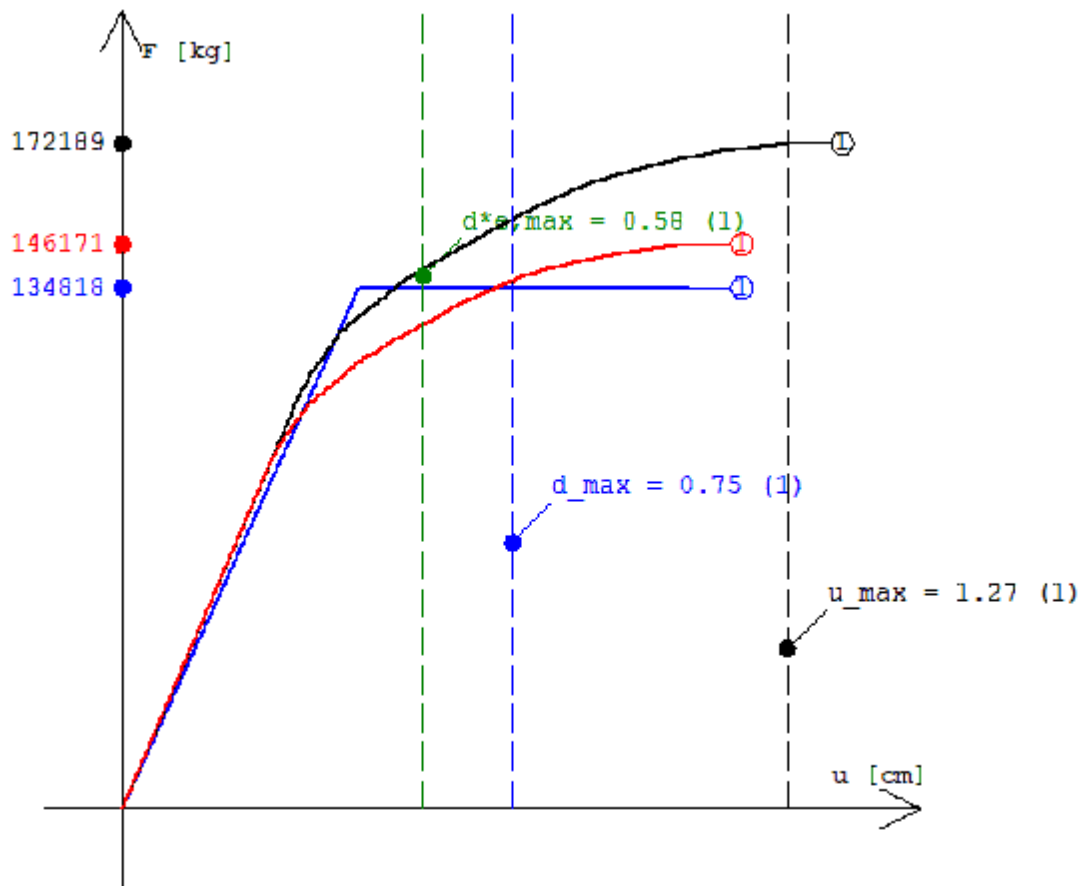
Cond\_Y\_1(-); E(+); S2(+): 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



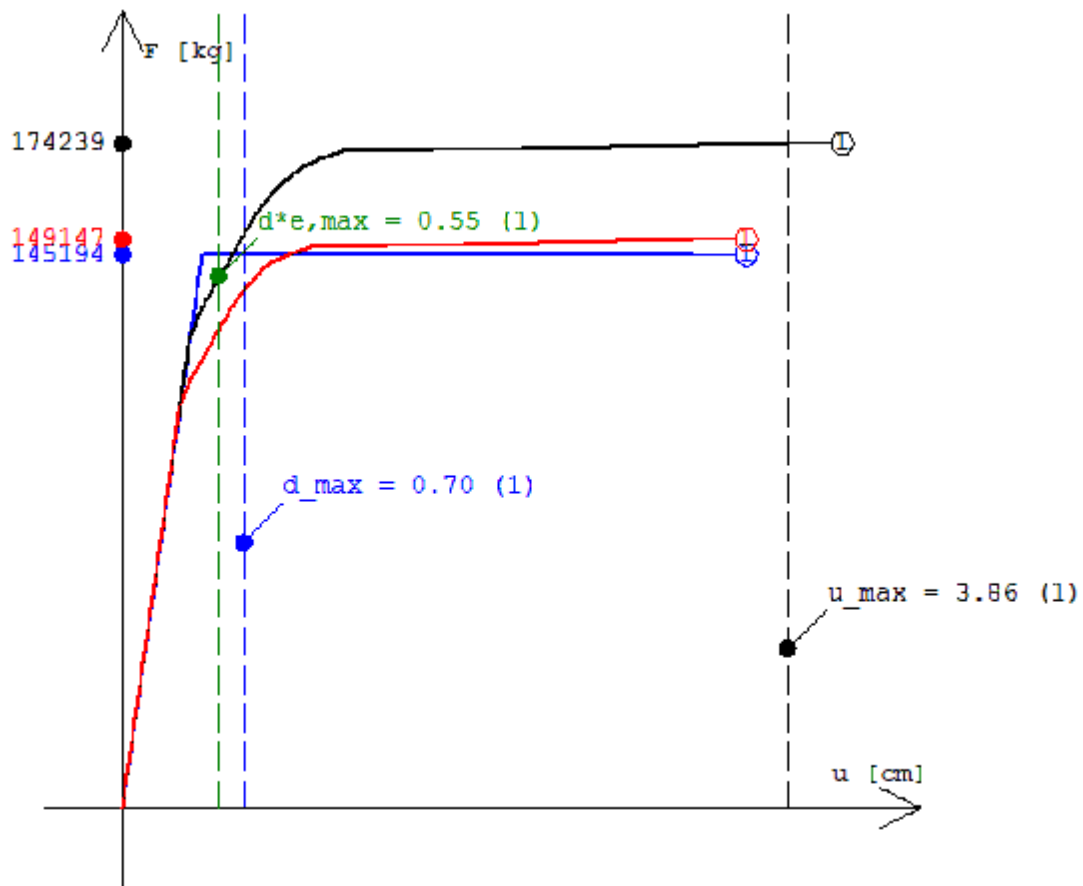
Cond\_Y\_1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



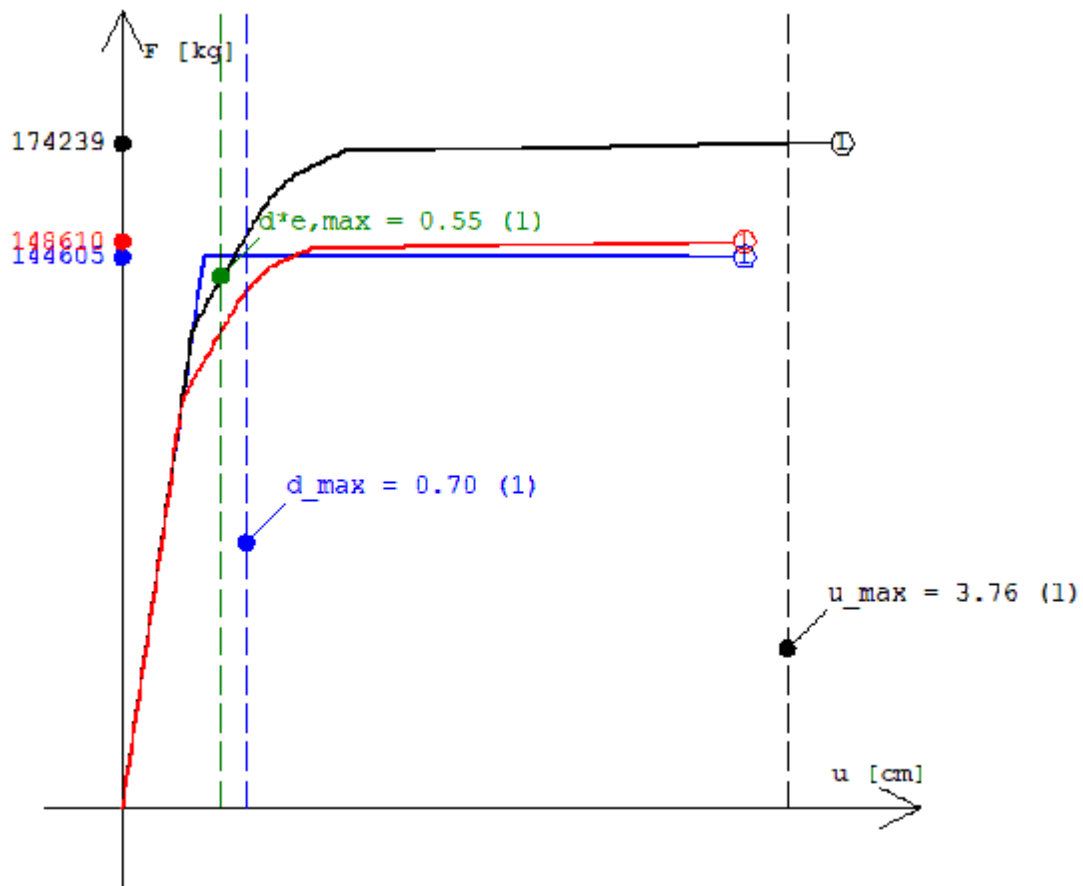
Cond\_Y\_1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

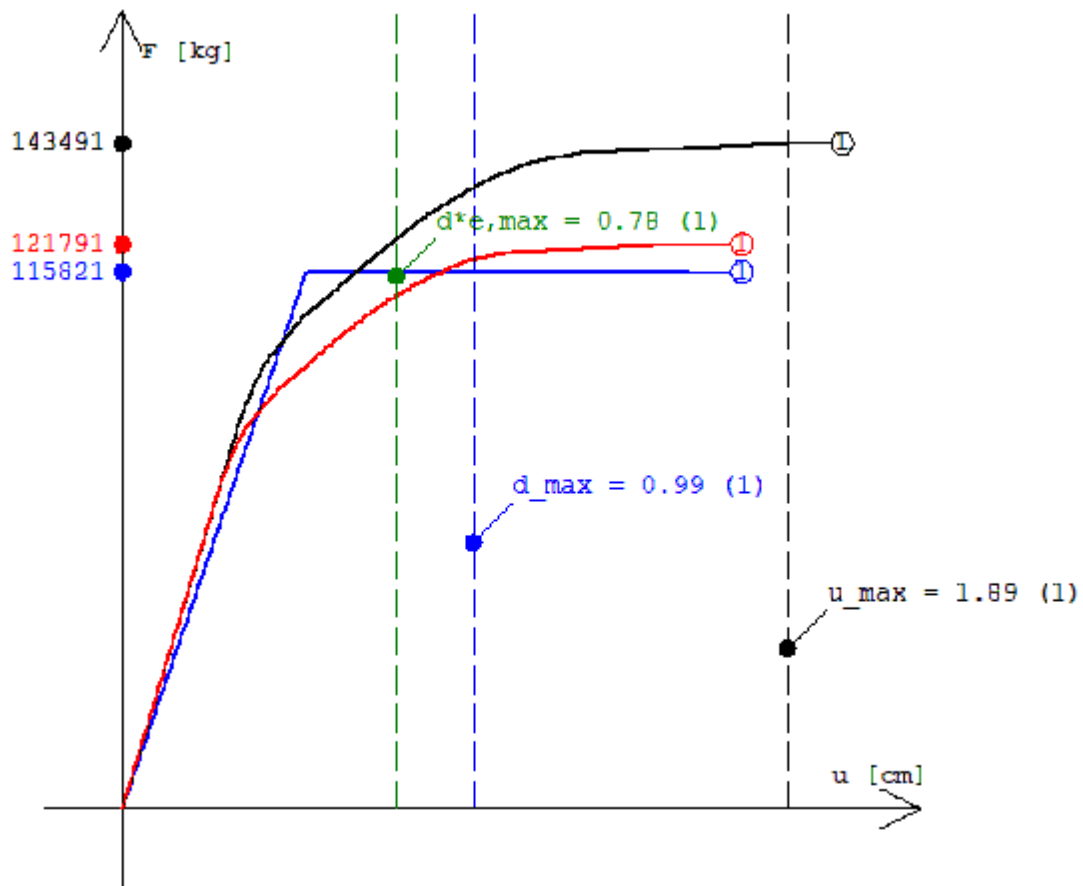


Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)





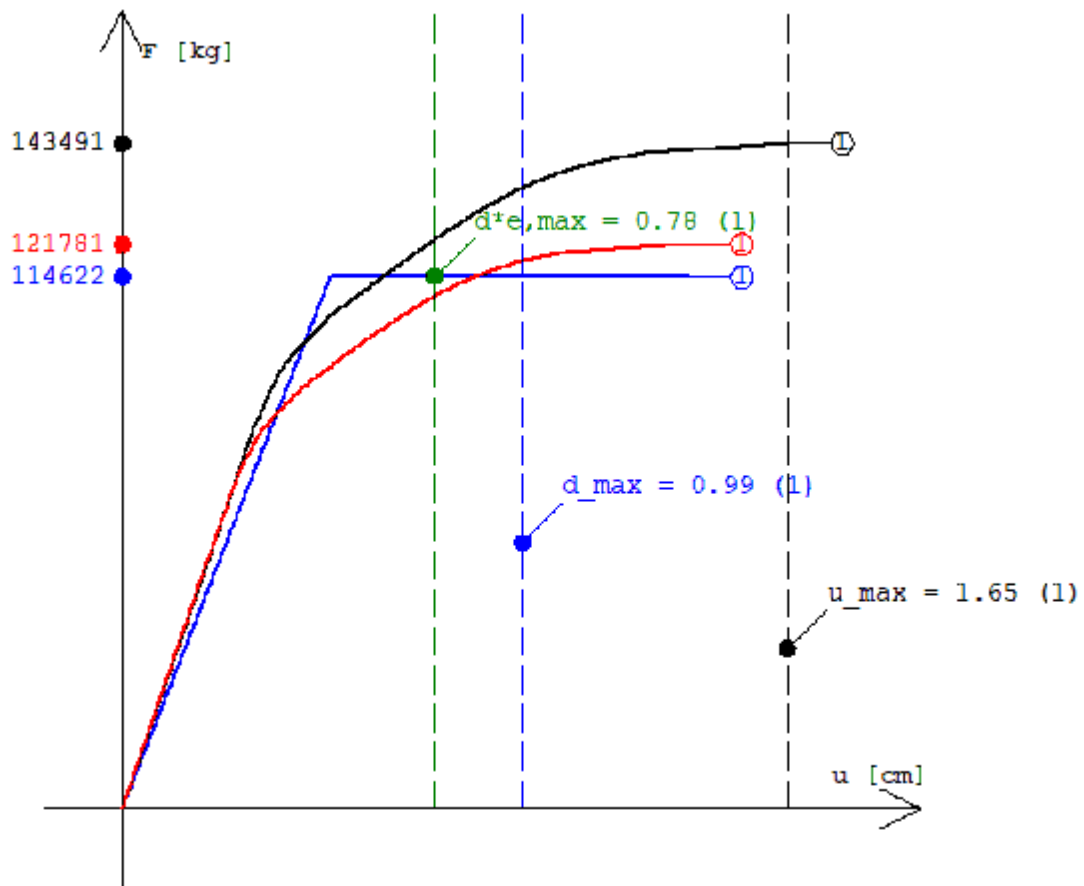
Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - - - Capacità di spostamento ( $u_{\max}$ )
- - - - - Domanda di spostamento ( $d_{\max}$ )



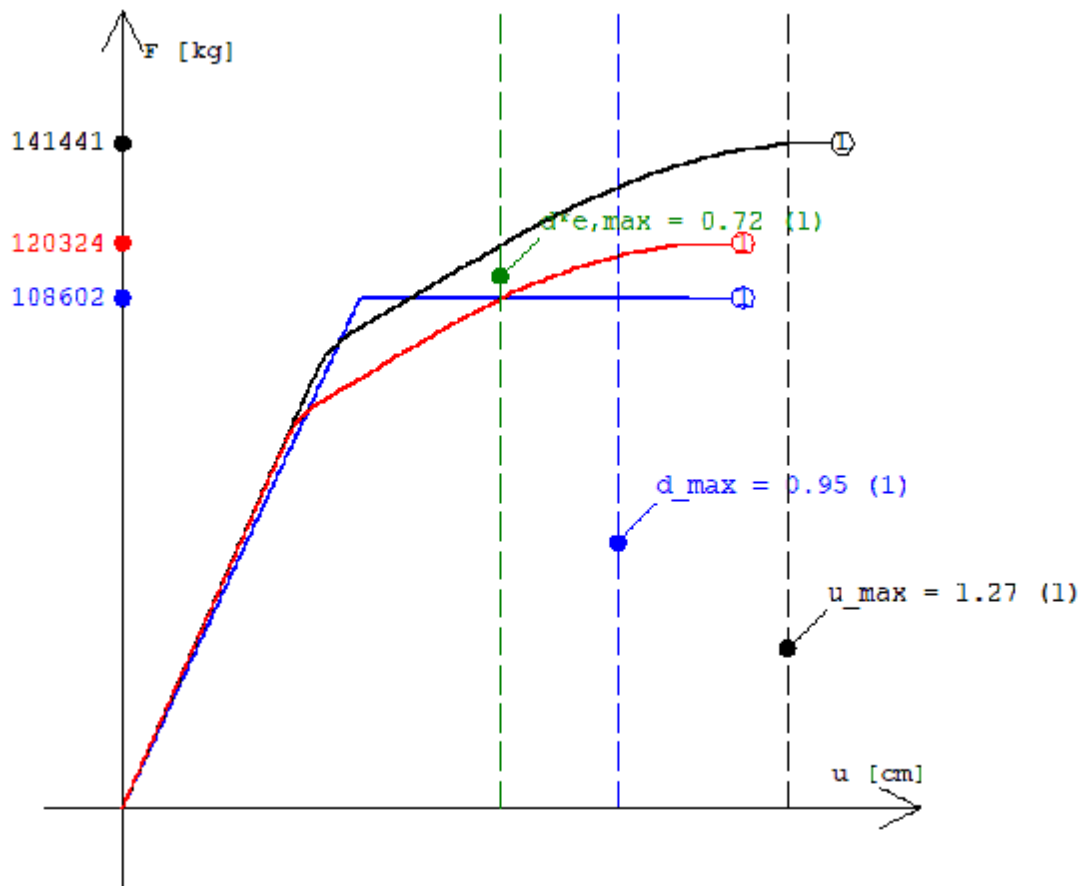
Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - Capacità di spostamento ( $u_{\max}$ )
- - - Domanda di spostamento ( $d_{\max}$ )



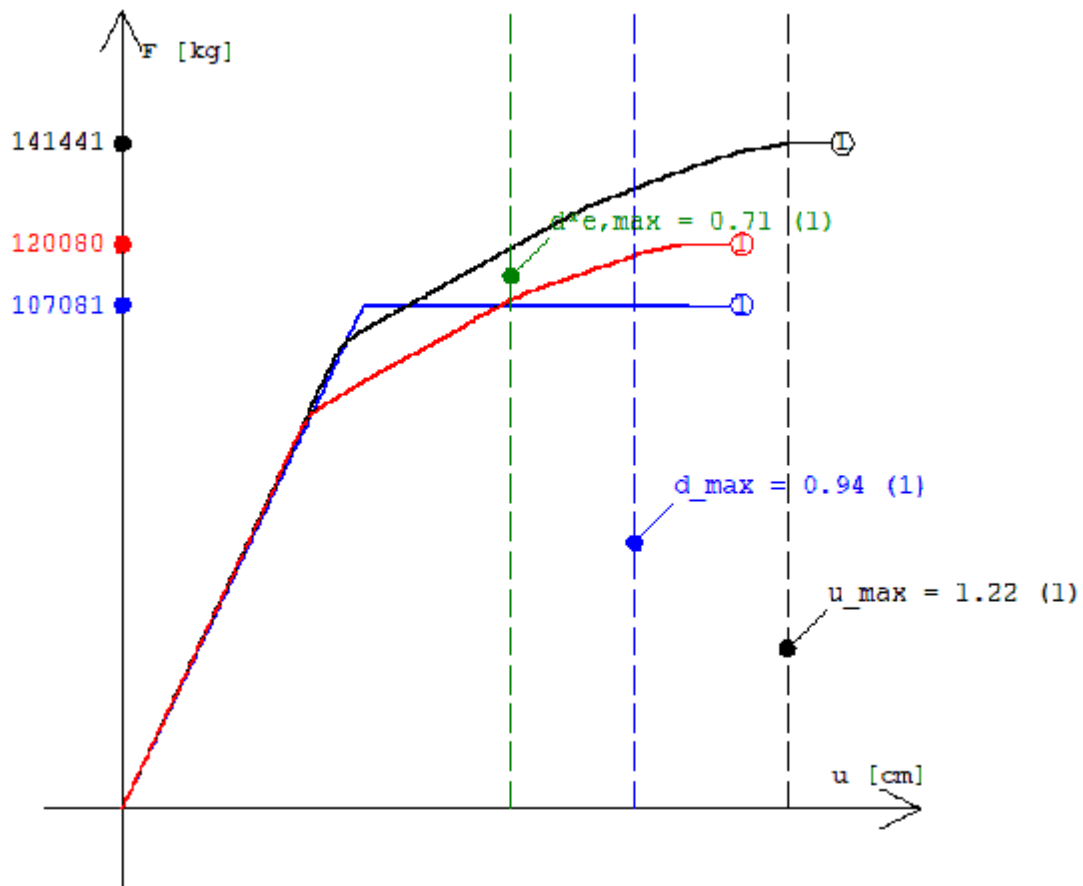
Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - Capacità di spostamento ( $u_{\max}$ )
- - - Domanda di spostamento ( $d_{\max}$ )



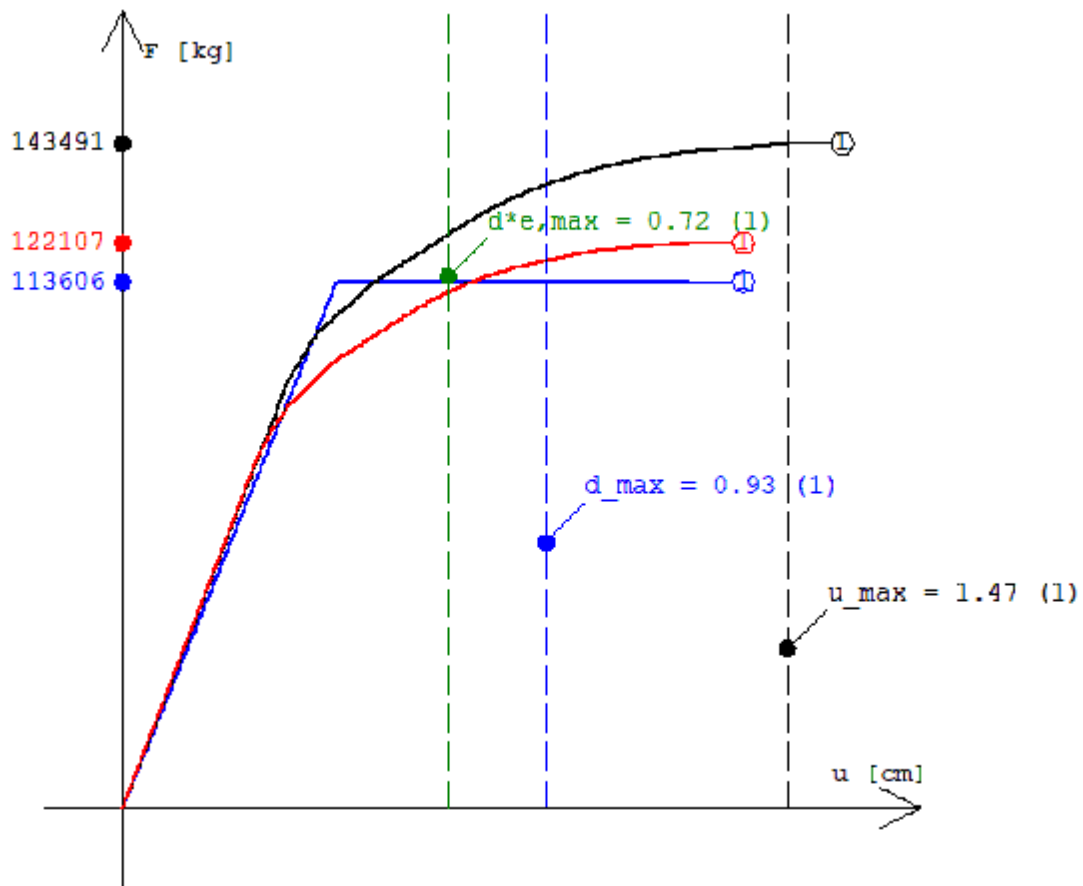
Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - - - Capacità di spostamento ( $u_{\max}$ )
- - - - - Domanda di spostamento ( $d_{\max}$ )



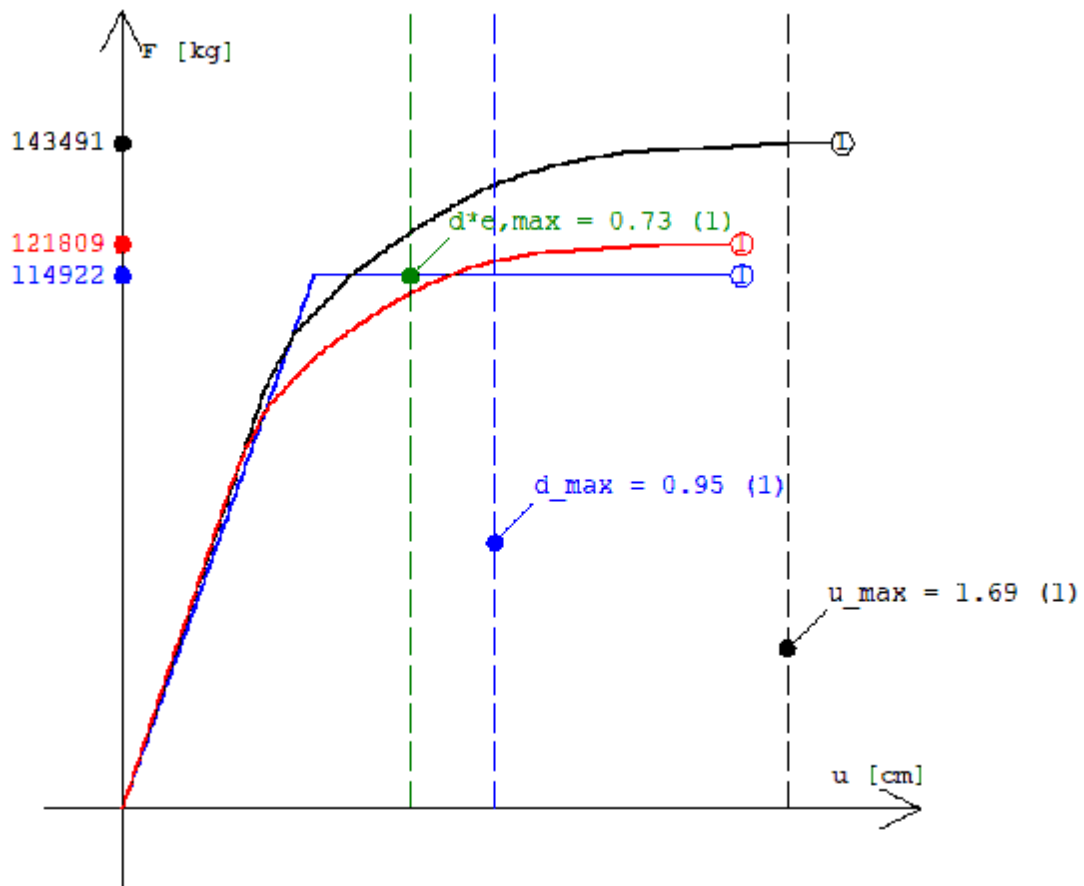
Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



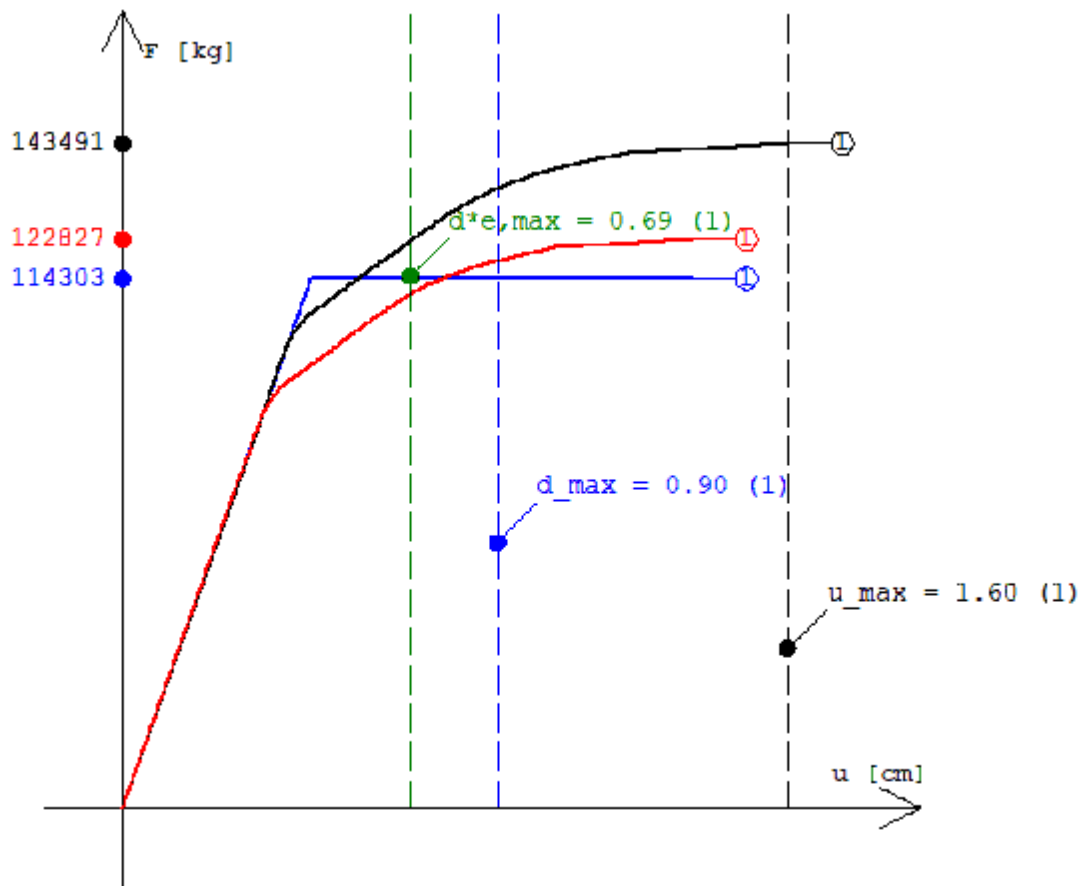
Cond\_Y\_2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - - - Capacità di spostamento ( $u_{\max}$ )
- - - - - Domanda di spostamento ( $d_{\max}$ )



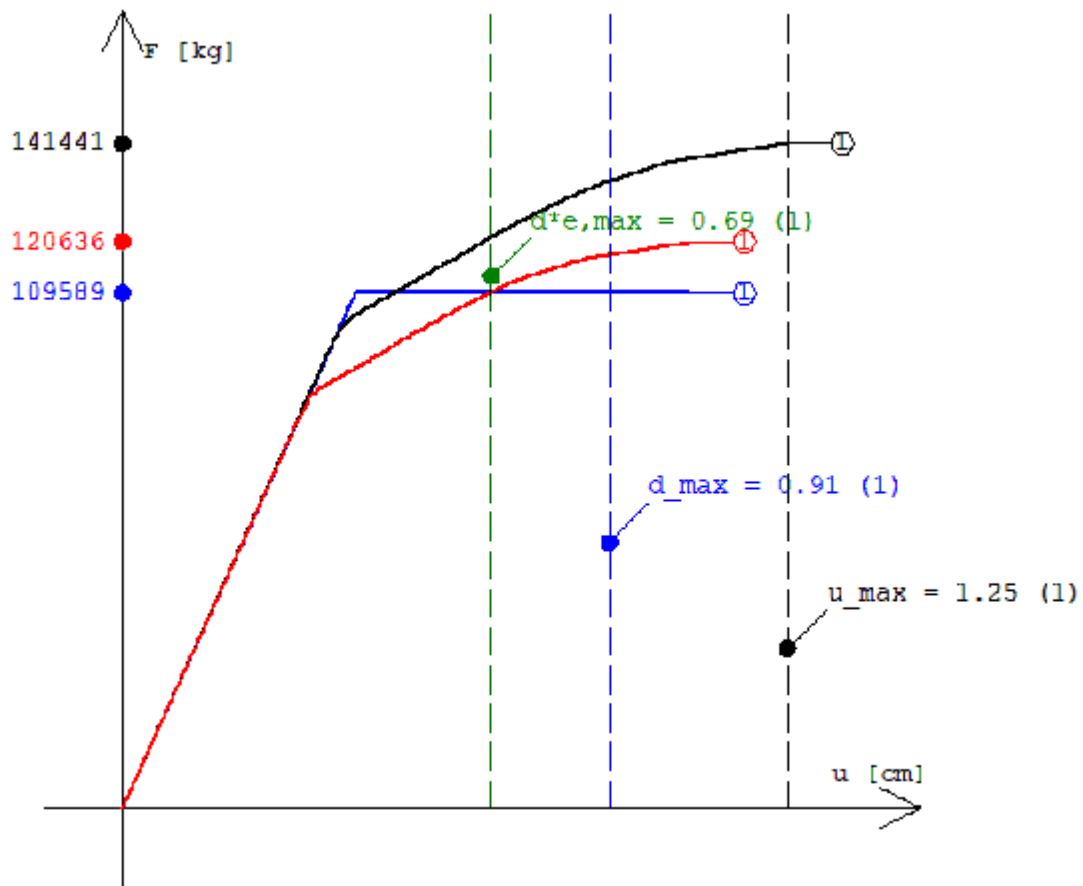
Cond\_Y\_2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



#### 4.2.11 Sistema bi-lineare equivalente. SLO

Tabella 12.I

$T^*$	: periodo elastico del sistema bi-lineare equivalente		
$k^*$	: rigidezza secante del sistema bi-lineare equivalente		
$m^*$	: massa partecipante del sistema bi-lineare equivalente		
$m$	: massa della struttura.		
% $m_1$	: percentuale massa partecipante della prima forma modale.		
$F_y^*$	: forza di snervamento del sistema bi-lineare equivalente		
$d_y^*$	: spostamento elastico del sistema bi-lineare equivalente		
$d_u^*$	: spostamento ultimo del sistema bi-lineare equivalente		
Cond_X_1(+); E(+); S2(+)	: 1) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;
Eccentricità accidentale (+ 0.05*Ly)			
Cond_X_1(+); E(+); S2(-) : 2)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_1(+); E(-); S2(+) : 3)	- Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_1(+); E(-); S2(-) : 4)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_1(-); E(+); S2(+) : 5)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_1(-); E(+); S2(-) : 6)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_1(-); E(-); S2(+) : 7)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_1(-); E(-); S2(-) : 8)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(+); E(+); S2(+)	: 9) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;
Eccentricità accidentale (+ 0.05*Ly)			
Cond_X_2(+); E(+); S2(-) : 10)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_2(+); E(-); S2(+) : 11)	- Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(+); E(-); S2(-) : 12)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(-); E(+); S2(+) : 13)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_2(-); E(+); S2(-) : 14)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (+ 0.05*Ly)			
Cond_X_2(-); E(-); S2(+) : 15)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_X_2(-); E(-); S2(-) : 16)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze; Eccentricità
accidentale (- 0.05*Ly)			
Cond_Y_1(+); E(+); S2(+)	: 17) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;
Eccentricità accidentale (+ 0.05*Lx)			
Cond_Y_1(+); E(+); S2(-) : 18)	- Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Lx)			
Cond_Y_1(+); E(-); S2(+) : 19)	- Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_1(+); E(-); S2(-) : 20)	- Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_1(-); E(+); S2(+) : 21)	- Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Lx)			
Cond_Y_1(-); E(+); S2(-) : 22)	- Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (+ 0.05*Lx)			
Cond_Y_1(-); E(-); S2(+) : 23)	- Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_1(-); E(-); S2(-) : 24)	- Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse; Eccentricità
accidentale (- 0.05*Lx)			
Cond_Y_2(+); E(+); S2(+)	: 25) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale altezze;
Eccentricità accidentale (+ 0.05*Lx)			



Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(+); E(-); S2(+): 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(+); S2(+): 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

	T* [sec]	k* [daN/cm]	m* [daNm]	m [daNm]	% m1	F* <sub>y</sub> [daN]	d* <sub>y</sub> [cm]	d* <sub>u</sub> [cm]
Cond_X_1(+); E(+); S2(+)	0.3309	268663.78	745.32	1061.4	64.08	153450.05	0.5712	0.8787
Cond_X_1(+); E(+); S2(-)	0.3313	267310.25	743.03	1061.4	63.91	158794.97	0.5940	1.3194
Cond_X_1(+); E(-); S2(+)	0.3312	268322.28	745.34	1061.4	64.09	153416.03	0.5718	0.8900
Cond_X_1(+); E(-); S2(-)	0.3315	266976.78	743.00	1061.4	63.91	158448.86	0.5935	1.2473
Cond_X_1(-); E(+); S2(+)	0.3326	264209.56	740.45	1061.4	64.13	160766.56	0.6085	1.4320
Cond_X_1(-); E(+); S2(-)	0.3322	264712.88	740.14	1061.4	63.98	158236.38	0.5978	1.3223
Cond_X_1(-); E(-); S2(+)	0.3329	263839.72	740.46	1061.4	64.14	161748.61	0.6131	1.7180
Cond_X_1(-); E(-); S2(-)	0.3324	264424.50	740.12	1061.4	63.98	158221.83	0.5984	1.3226
Cond_X_2(+); E(+); S2(+)	0.3690	216055.80	745.32	1061.4	64.08	127545.50	0.5903	0.9103
Cond_X_2(+); E(+); S2(-)	0.3700	214219.84	743.03	1061.4	63.91	130685.91	0.6101	1.3115
Cond_X_2(+); E(-); S2(+)	0.3693	215792.11	745.34	1061.4	64.09	127465.44	0.5907	0.9139
Cond_X_2(+); E(-); S2(-)	0.3703	213955.45	743.00	1061.4	63.91	130637.02	0.6106	1.3138
Cond_X_2(-); E(+); S2(+)	0.3717	211567.53	740.45	1061.4	64.13	132781.31	0.6276	1.5314
Cond_X_2(-); E(+); S2(-)	0.3719	211224.58	740.14	1061.4	63.98	131953.16	0.6247	1.4521
Cond_X_2(-); E(-); S2(+)	0.3720	211278.69	740.46	1061.4	64.14	132239.97	0.6259	1.3831
Cond_X_2(-); E(-); S2(-)	0.3721	210999.22	740.12	1061.4	63.98	131941.14	0.6253	1.4524
Cond_Y_1(+); E(+); S2(+)	0.3156	282529.84	712.88	1061.4	40.80	135512.75	0.4796	1.1386
Cond_Y_1(+); E(+); S2(-)	0.3058	300823.72	712.39	1061.4	43.14	125153.59	0.4160	0.8466
Cond_Y_1(+); E(-); S2(+)	0.3069	299820.34	715.25	1061.4	40.17	134410.02	0.4483	1.2054
Cond_Y_1(+); E(-); S2(-)	0.3008	310714.38	711.93	1061.4	41.97	124624.96	0.4011	0.8818
Cond_Y_1(-); E(+); S2(+)	0.3064	300722.78	715.11	1061.4	38.48	144689.56	0.4811	3.2280
Cond_Y_1(-); E(+); S2(-)	0.3079	296701.06	712.39	1061.4	38.70	139741.81	0.4710	1.4714
Cond_Y_1(-); E(-); S2(+)	0.3000	316170.34	720.88	1061.4	38.50	127949.91	0.4047	0.8372
Cond_Y_1(-); E(-); S2(-)	0.3003	314090.41	717.50	1061.4	38.54	144605.36	0.4604	3.2053
Cond_Y_2(+); E(+); S2(+)	0.3434	238684.53	712.88	1061.4	40.80	103216.00	0.4324	0.8732
Cond_Y_2(+); E(+); S2(-)	0.3416	240991.23	712.39	1061.4	43.14	101605.62	0.4216	0.8265
Cond_Y_2(+); E(-); S2(+)	0.3466	235036.56	715.25	1061.4	40.17	115176.93	0.4900	1.6673



<b>Cond_Y_2(+); E(-); S2(-)</b>	0.3378	246370.28	711.93	1061.4	41.97	103248.73	0.4191	0.9064
<b>Cond_Y_2(-); E(+); S2(+)</b>	0.3381	247026.39	715.11	1061.4	38.48	106159.23	0.4297	0.8666
<b>Cond_Y_2(-); E(+); S2(-)</b>	0.3398	243589.47	712.39	1061.4	38.70	104588.23	0.4294	0.8223
<b>Cond_Y_2(-); E(-); S2(+)</b>	0.3361	251970.98	720.88	1061.4	38.50	106130.70	0.4212	0.8661
<b>Cond_Y_2(-); E(-); S2(-)</b>	0.3366	250053.84	717.50	1061.4	38.54	119257.25	0.4769	3.6342

#### 4.2.12 Verifiche calcolo globale della struttura agli SLO.

Tabella 13.I

$F_{\max}$  : valore massimo della forza orizzontale applicata sulla struttura (Taglio alla base della struttura);

$u_{\max,C}$  : spostamento massimo raggiunto dal punto di controllo;

$\Gamma$  : coefficiente di partecipazione;

$F_{\max}^*$  :  $F_{\max} / \Gamma$ ;

$u_{\max}^*$  :  $u_{\max} / \Gamma$ ;

$q^*$  : fattore di comportamento ( $q^* = m \cdot S_e(T^*) / F^*y$ );

$u_{\max}$  : capacità di spostamento della struttura;

$d_{\max}$  : spostamento richiesto del punto di controllo della struttura;

$S$  : Coefficiente di sicurezza;

Esito : V : Verificato

: NV : Non Verificato;

Cond\_X\_1(+); E(+); S2(+): 1) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;

Eccentricità accidentale (+ 0.05\*Ly)

Cond\_X\_1(+); E(+); S2(-): 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (+ 0.05\*Ly)

Cond\_X\_1(+); E(-); S2(+): 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_1(-); E(+); S2(+): 5) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (+ 0.05\*Ly)

Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (+ 0.05\*Ly)

Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_1(-); E(-); S2(-): 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_2(+); E(+); S2(+): 9) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;

Eccentricità accidentale (+ 0.05\*Ly)

Cond\_X\_2(+); E(+); S2(-): 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (+ 0.05\*Ly)

Cond\_X\_2(+); E(-); S2(+): 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_2(-); E(+); S2(+): 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (+ 0.05\*Ly)

Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (+ 0.05\*Ly)

Cond\_X\_2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_X\_2(-); E(-); S2(-): 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità

accidentale (- 0.05\*Ly)

Cond\_Y\_1(+); E(+); S2(+): 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;

Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(+); E(+); S2(-): 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità

accidentale (+ 0.05\*Lx)



Cond\_Y\_1(+); E(-); S2(+) : 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(+); E(-); S2(-) : 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(-); E(+); S2(+) : 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(-); E(+); S2(-) : 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_1(-); E(-); S2(+) : 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

	F <sub>max</sub> [daN]	u <sub>max,C</sub> [cm]	Γ	F* <sub>max</sub> [daN]	u* <sub>max</sub> [cm]	q*	u <sub>max</sub> [cm]	d <sub>max</sub> [cm]	S	Esito
Cond_X_1(+); E(+); S2(+)	182438	0.9826	1.1183	163144	0.8787	0.9566	0.9826	0.6110	1.61	V
Cond_X_1(+); E(+); S2(-)	184488	1.4774	1.1198	164756	1.3194	0.9215	1.4774	0.6130	2.41	V
Cond_X_1(+); E(-); S2(+)	182438	0.9954	1.1184	163123	0.8900	0.9568	0.9954	0.6118	1.63	V
Cond_X_1(+); E(-); S2(-)	184488	1.3968	1.1199	164740	1.2473	0.9235	1.3968	0.6138	2.28	V
Cond_X_1(-); E(+); S2(+)	186538	1.6102	1.1245	165892	1.4320	0.9071	1.6102	0.6206	2.59	V
Cond_X_1(-); E(+); S2(-)	184488	1.4859	1.1238	164166	1.3223	0.9212	1.4859	0.6188	2.40	V
Cond_X_1(-); E(-); S2(+)	186538	1.9321	1.1246	165871	1.7180	0.9016	1.9321	0.6216	3.11	V
Cond_X_1(-); E(-); S2(-)	184488	1.4865	1.1239	164149	1.3226	0.9212	1.4865	0.6195	2.40	V
Cond_X_2(+); E(+); S2(+)	151690	1.0179	1.1183	135648	0.9103	1.1508	1.0179	0.7813	1.30	V
Cond_X_2(+); E(+); S2(-)	151690	1.4686	1.1198	135466	1.3115	1.1197	1.4686	0.7824	1.88	V
Cond_X_2(+); E(-); S2(+)	151690	1.0221	1.1184	135630	0.9139	1.1516	1.0221	0.7824	1.31	V
Cond_X_2(+); E(-); S2(-)	151690	1.4713	1.1199	135453	1.3138	1.1201	1.4713	0.7834	1.88	V
Cond_X_2(-); E(+); S2(+)	153740	1.7220	1.1245	136724	1.5314	1.0982	1.7220	0.7895	2.18	V
Cond_X_2(-); E(+); S2(-)	153740	1.6318	1.1238	136805	1.4521	1.1047	1.6318	0.7908	2.06	V
Cond_X_2(-); E(-); S2(+)	153740	1.5555	1.1246	136706	1.3831	1.1028	1.5555	0.7912	1.97	V
Cond_X_2(-); E(-); S2(-)	153740	1.6324	1.1239	136791	1.4524	1.1047	1.6324	0.7916	2.06	V
Cond_Y_1(+); E(+); S2(+)	172189	1.3415	1.1782	146150	1.1386	1.0360	1.3415	0.5941	2.26	V
Cond_Y_1(+); E(+); S2(-)	163990	0.9976	1.1783	139178	0.8466	1.1210	0.9976	0.5773	1.73	V



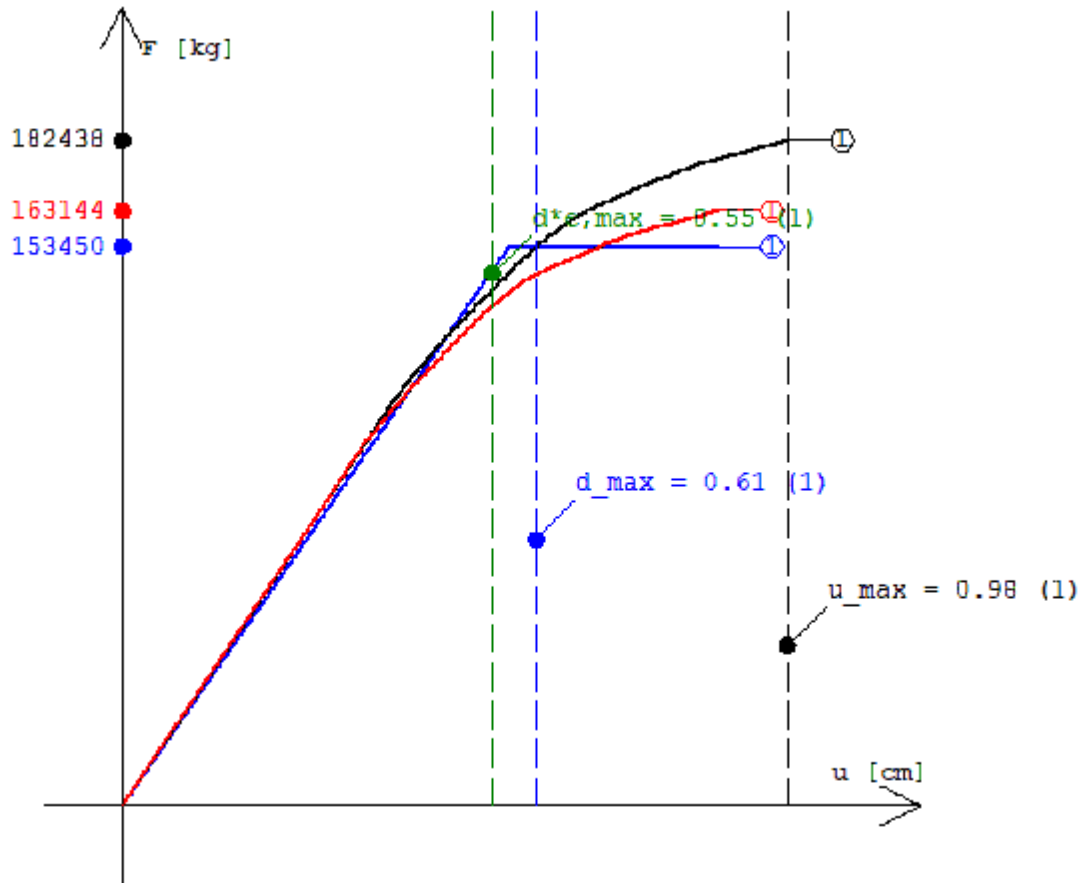
<b>Cond_Y_1(+); E(-); S2(+)</b>	172189	1.4170	1.1755	146481	1.2054	1.0480	1.4170	0.5640	2.51	V
<b>Cond_Y_1(+); E(-); S2(-)</b>	166039	1.0387	1.1779	140964	0.8818	1.1251	1.0387	0.5606	1.85	V
<b>Cond_Y_1(-); E(+); S2(+)</b>	174239	3.7933	1.1751	148273	3.2280	0.9734	3.7933	0.5503	6.89	V
<b>Cond_Y_1(-); E(+); S2(-)</b>	174239	1.7333	1.1780	147911	1.4714	1.0040	1.7333	0.5580	3.11	V
<b>Cond_Y_1(-); E(-); S2(+)</b>	166039	0.9781	1.1682	142128	0.8372	1.1096	0.9781	0.5503	1.78	V
<b>Cond_Y_1(-); E(-); S2(-)</b>	174239	3.7581	1.1725	148610	3.2053	0.9772	3.7581	0.5275	7.12	V
<b>Cond_Y_2(+); E(+); S2(+)</b>	135291	1.0288	1.1782	114832	0.8732	1.3602	1.0288	0.7495	1.37	V
<b>Cond_Y_2(+); E(+); S2(-)</b>	133242	0.9738	1.1783	113082	0.8265	1.3808	0.9738	0.7454	1.31	V
<b>Cond_Y_2(+); E(-); S2(+)</b>	143491	1.9599	1.1755	122068	1.6673	1.2230	1.9599	0.7425	2.64	V
<b>Cond_Y_2(+); E(-); S2(-)</b>	137341	1.0676	1.1779	116600	0.9064	1.3580	1.0676	0.7285	1.47	V
<b>Cond_Y_2(-); E(+); S2(+)</b>	137341	1.0184	1.1751	116874	0.8666	1.3266	1.0184	0.7241	1.41	V
<b>Cond_Y_2(-); E(+); S2(-)</b>	135291	0.9687	1.1780	114848	0.8223	1.3414	0.9687	0.7340	1.32	V
<b>Cond_Y_2(-); E(-); S2(+)</b>	137341	1.0118	1.1682	117563	0.8661	1.3377	1.0118	0.7141	1.42	V
<b>Cond_Y_2(-); E(-); S2(-)</b>	143491	4.2610	1.1725	122384	3.6342	1.1849	4.2610	0.6971	6.11	V

#### 4.2.13 Grafici Analisi non Lineare. SLO

Tabella 14.I

**Cond\_X\_1(+); E(+); S2(+)** : 1) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05\*Ly)

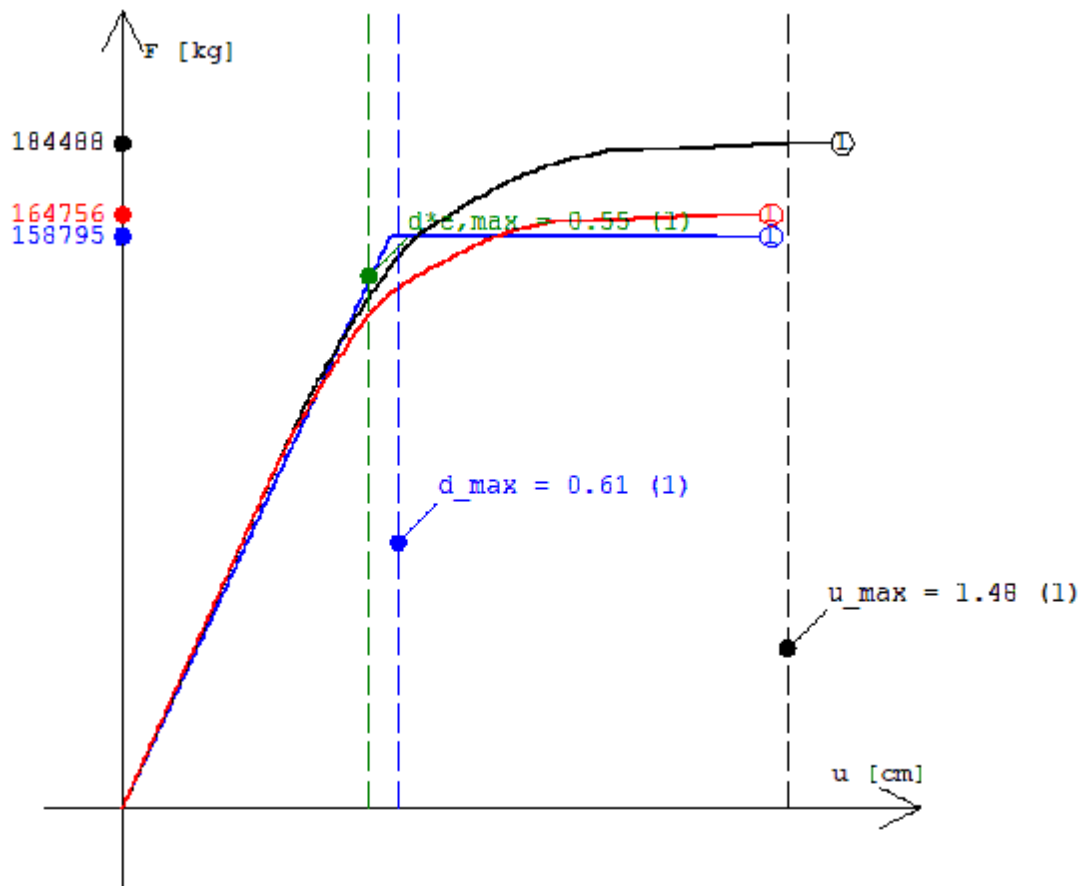




- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - Capacità di spostamento ( $u_max$ )
- - - Domanda di spostamento ( $d_max$ )



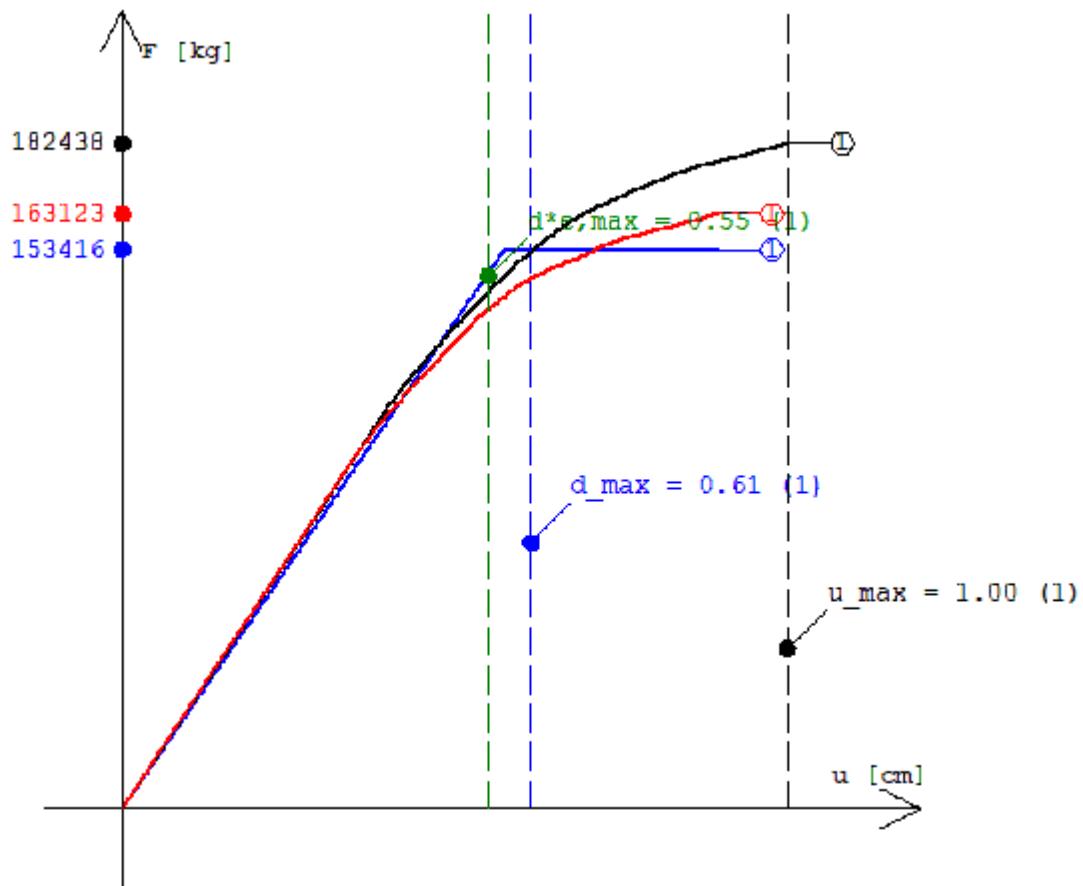
Cond\_X\_1(+); E(+); S2(-) : 2) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



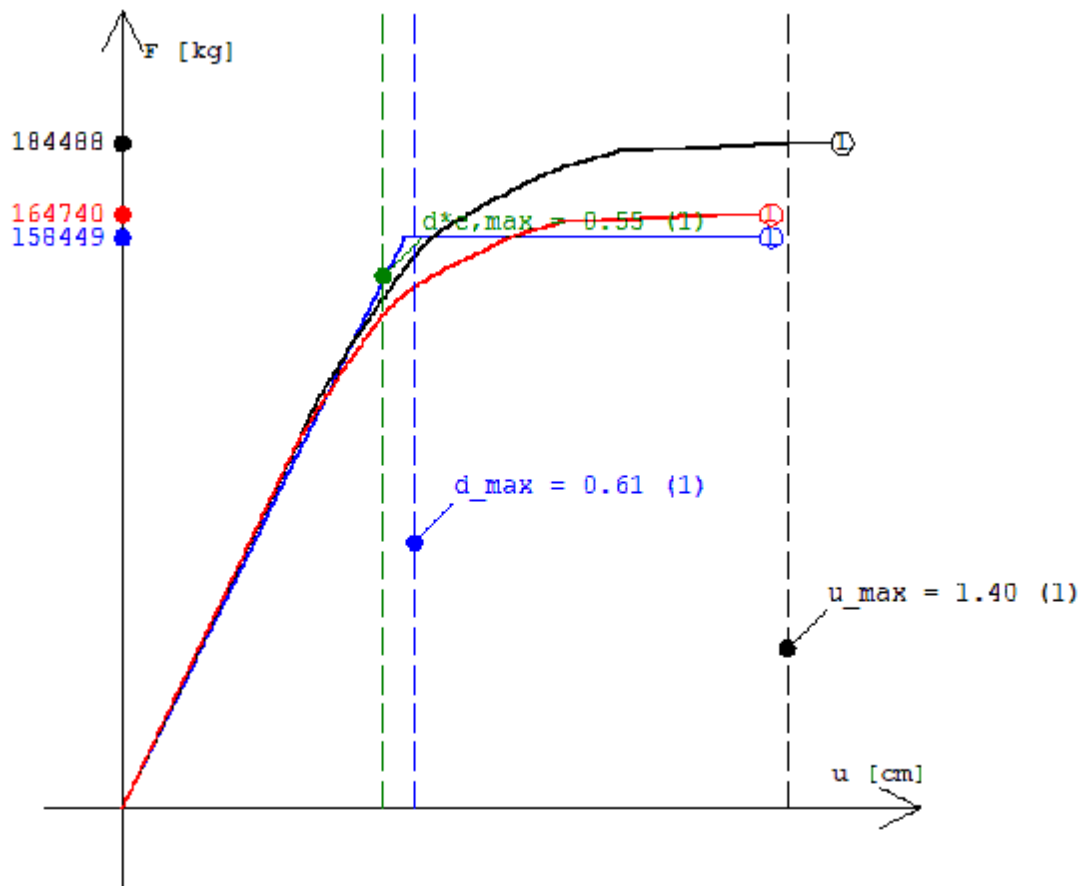
Cond\_X\_1(+); E(-); S2(+) : 3) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



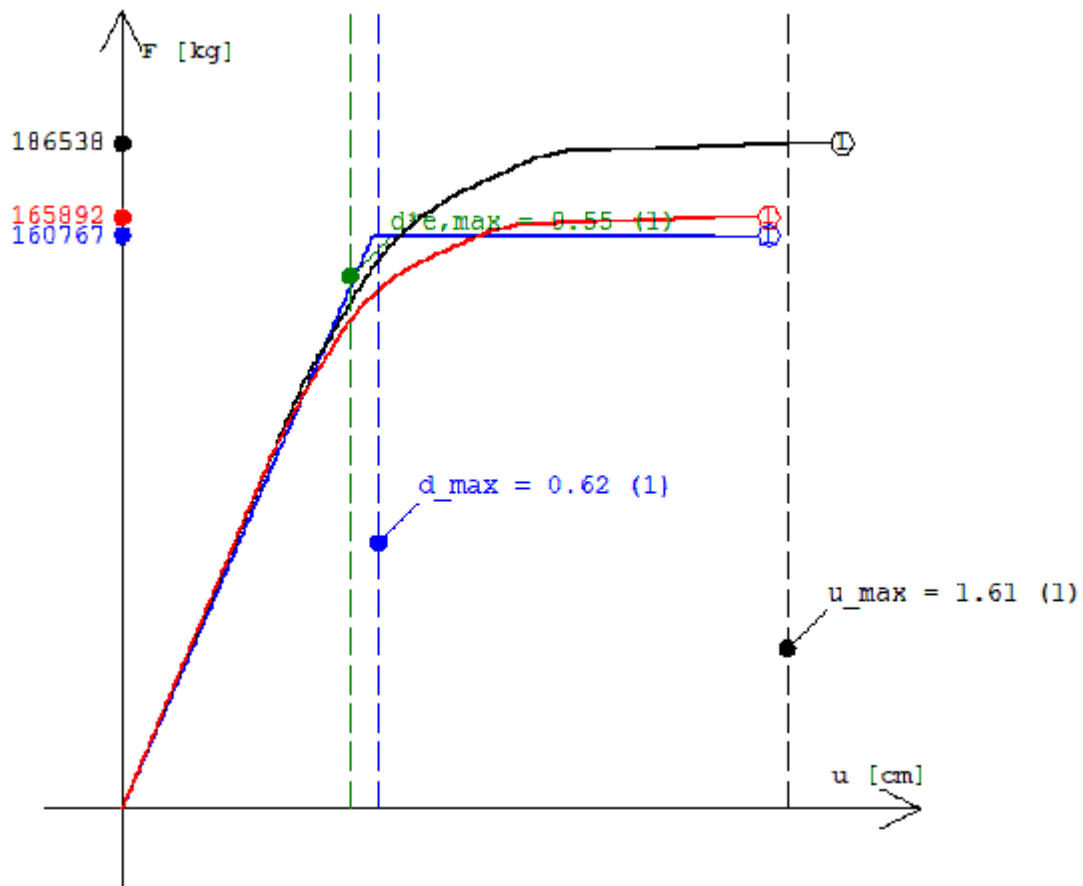
Cond\_X\_1(+); E(-); S2(-): 4) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



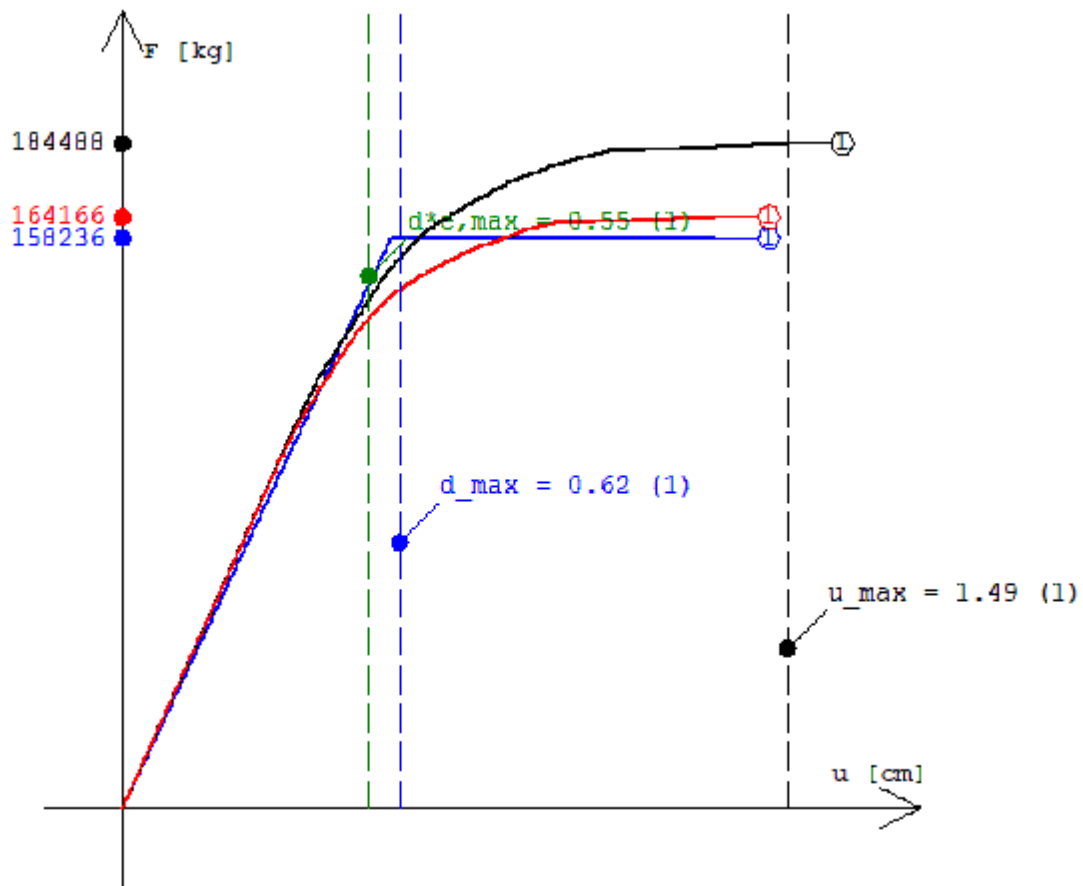
Cond\_X\_1(-); E(+); S2(+): 5 - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - Capacità di spostamento ( $u_max$ )
- - - Domanda di spostamento ( $d_max$ )



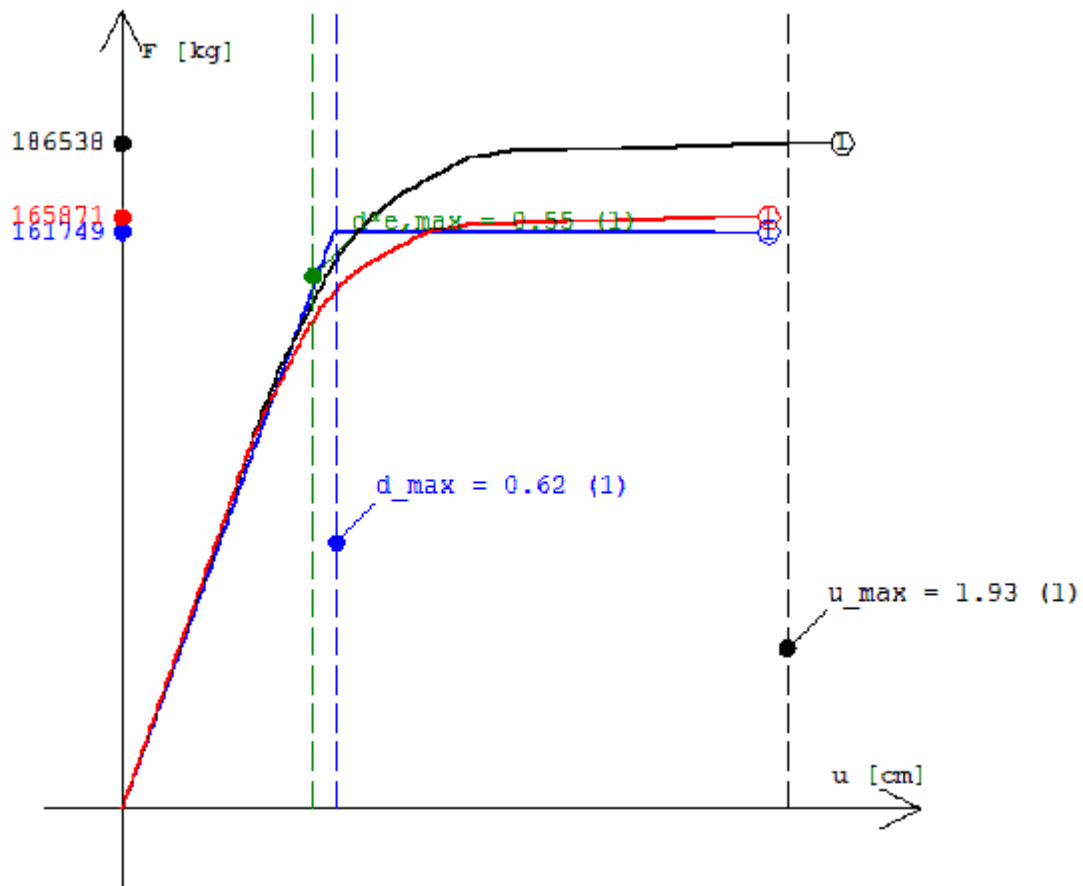
Cond\_X\_1(-); E(+); S2(-): 6) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



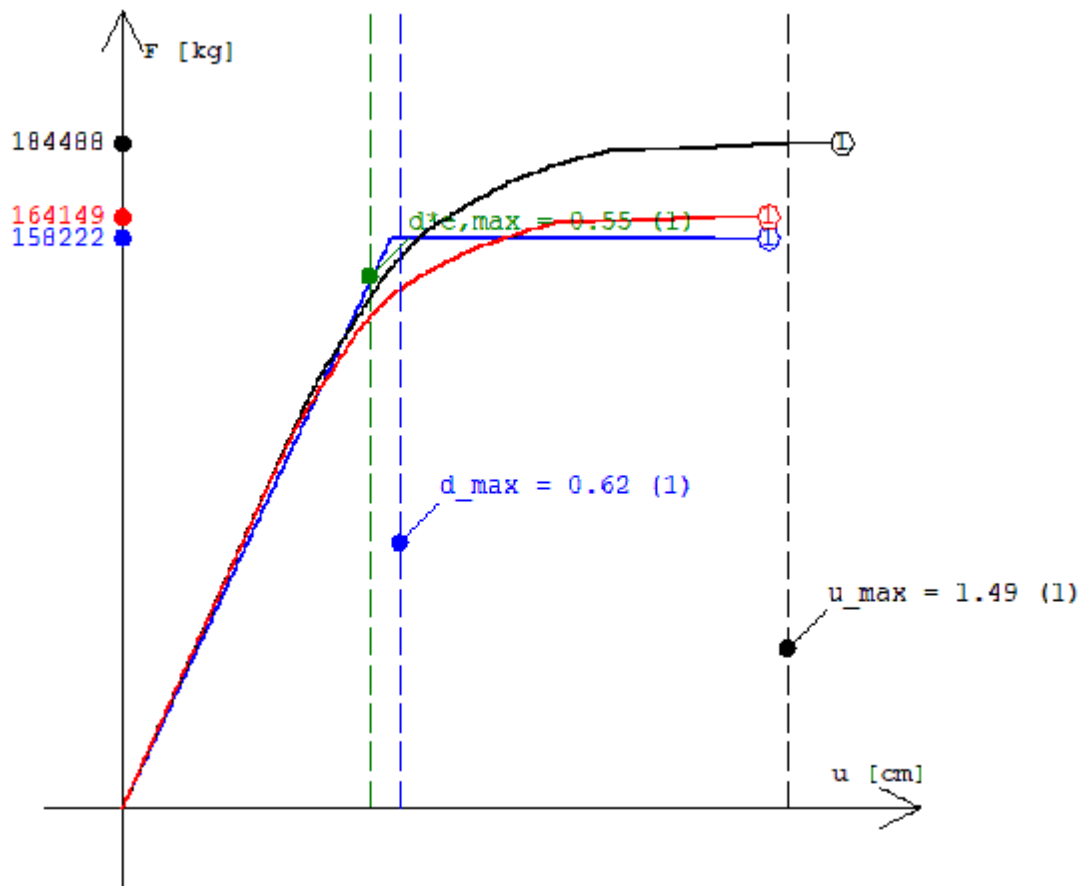
Cond\_X\_1(-); E(-); S2(+): 7) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



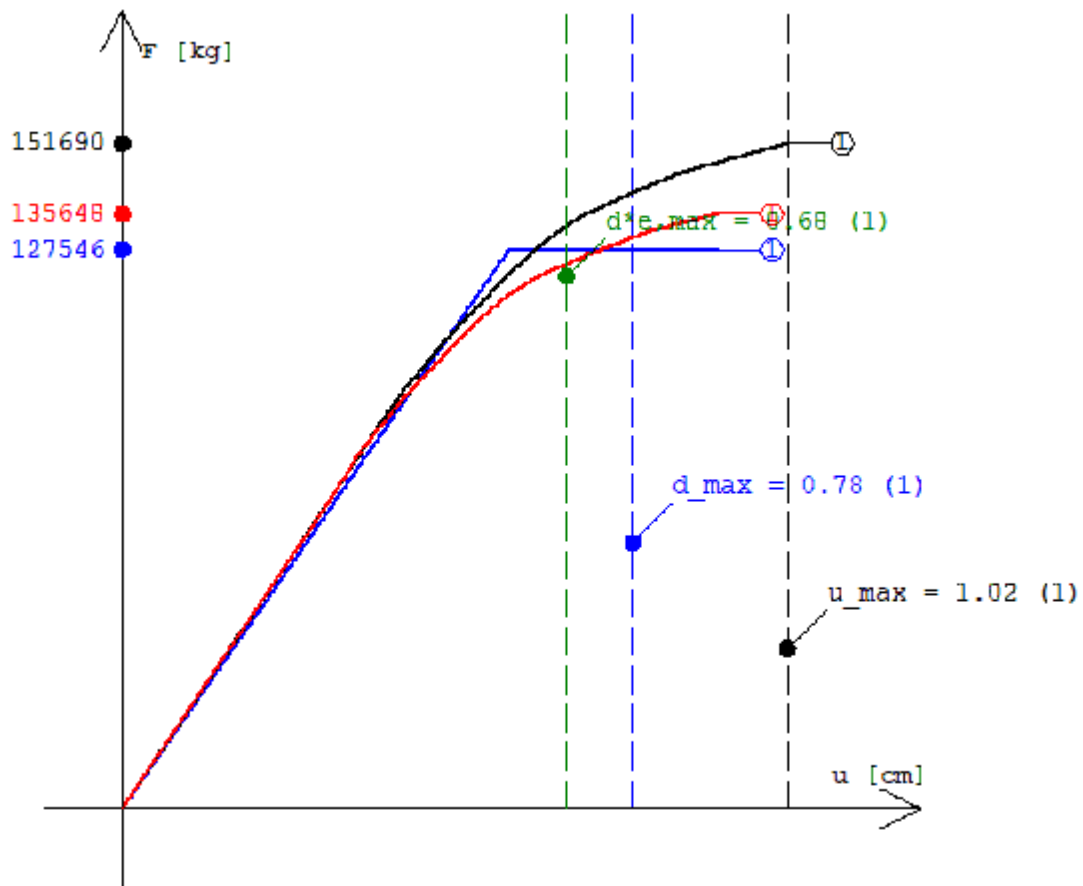
Cond\_X\_1(-); E(-); S2(-) : 8) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d_{te,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



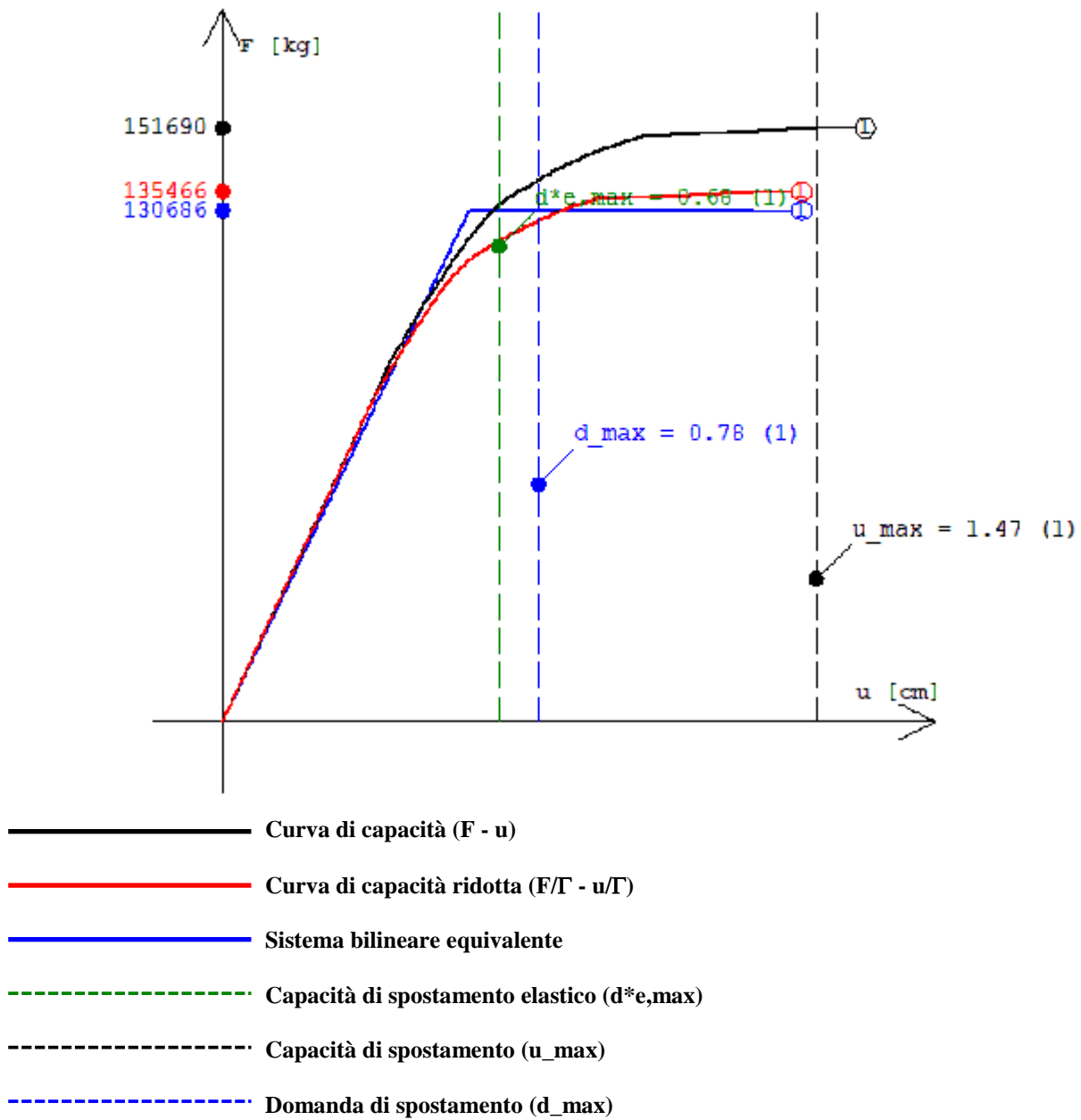
Cond\_X\_2(+); E(+); S2(+): 9 - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

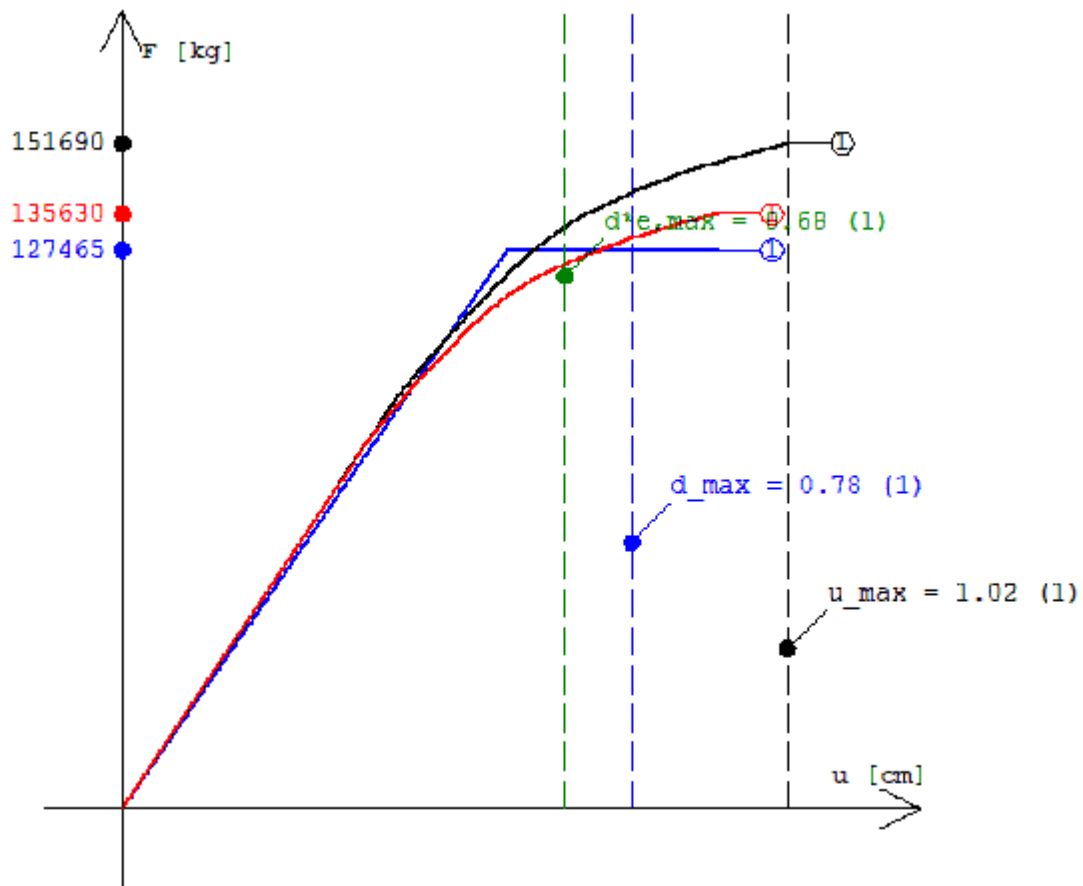


Cond\_X\_2(+); E(+); S2(-) : 10) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)





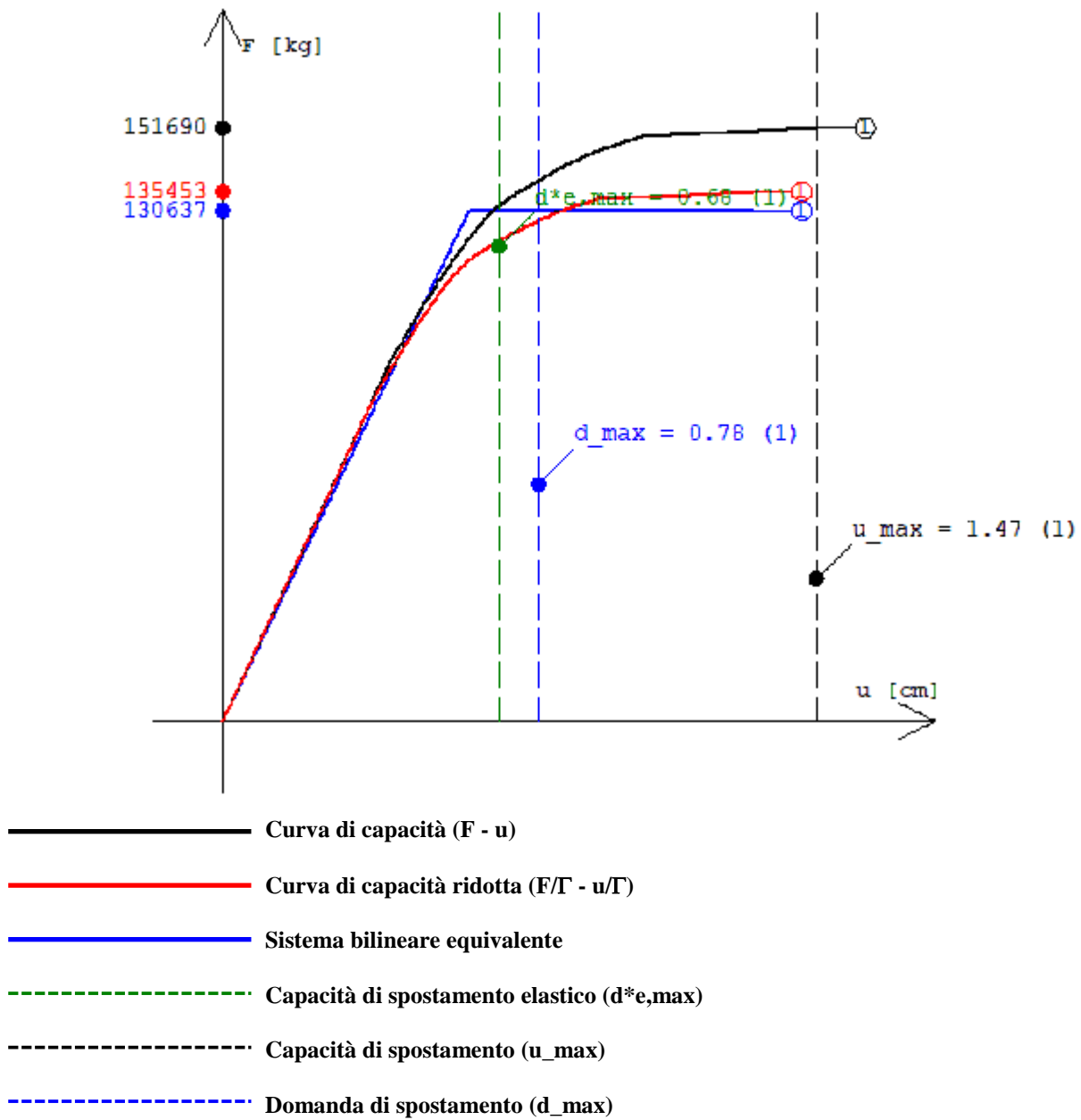
Cond\_X\_2(+); E(-); S2(+) : 11) - Sisma X (+); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

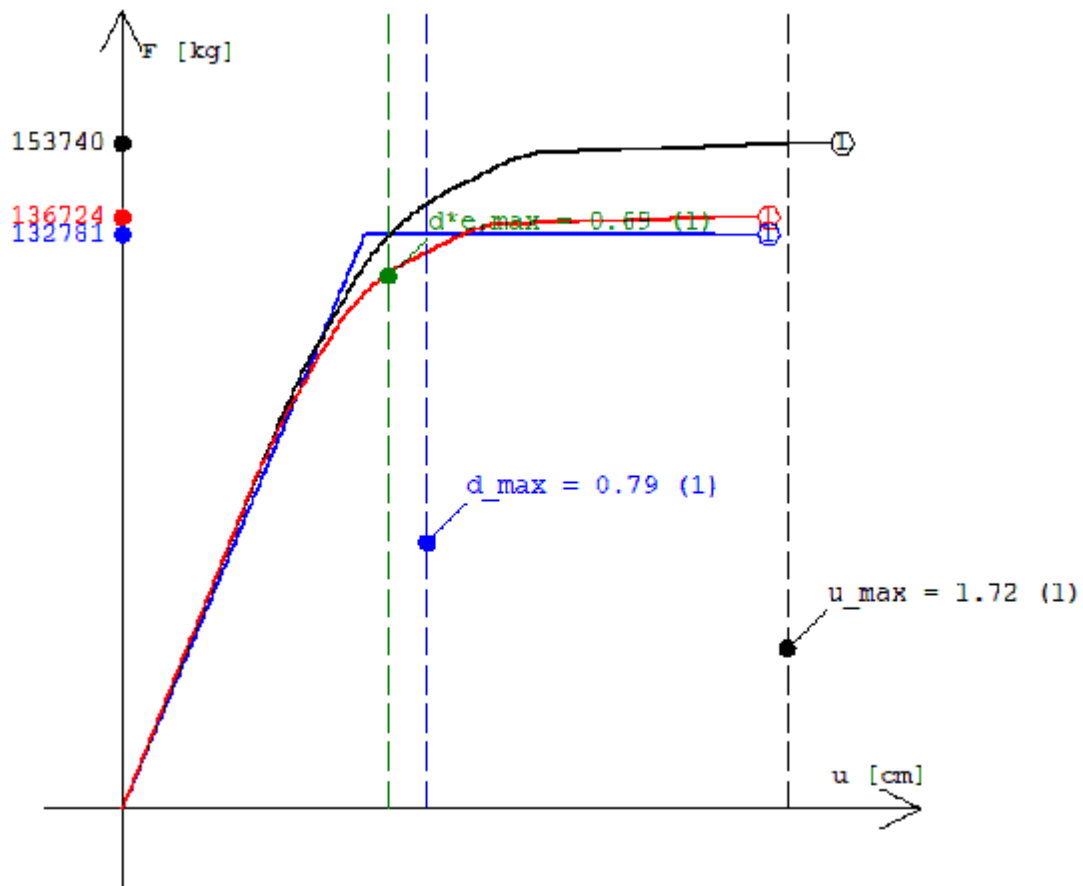


Cond\_X\_2(+); E(-); S2(-): 12) - Sisma X (+); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)





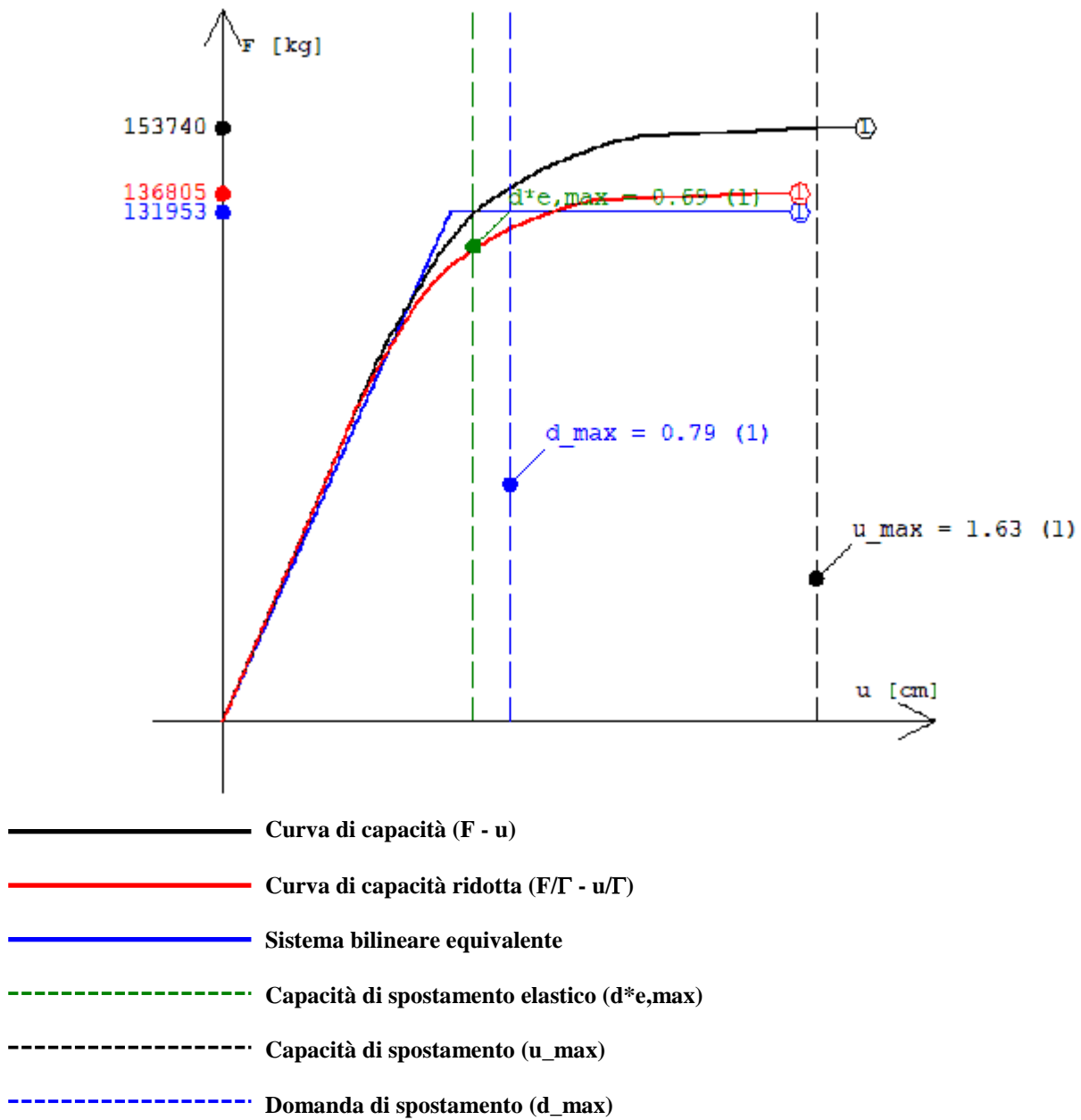
Cond\_X\_2(-); E(+); S2(+) : 13) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

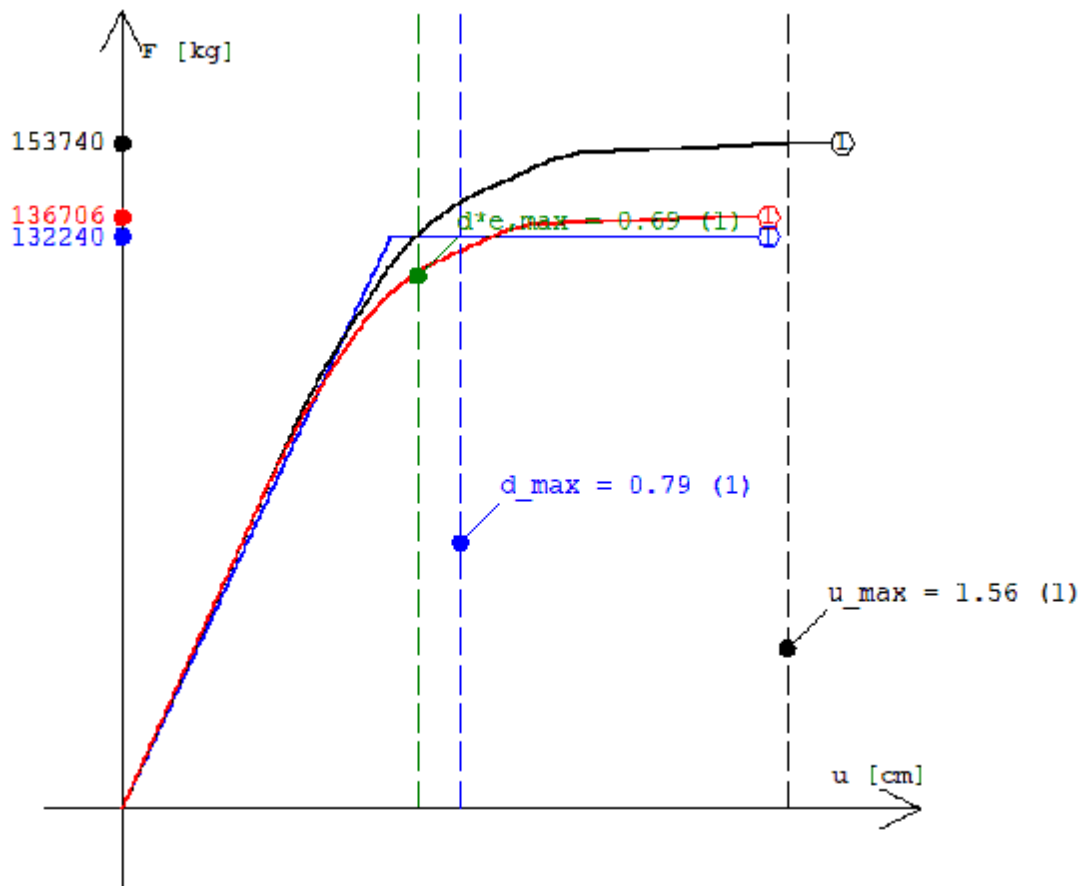


Cond\_X\_2(-); E(+); S2(-): 14) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Ly)





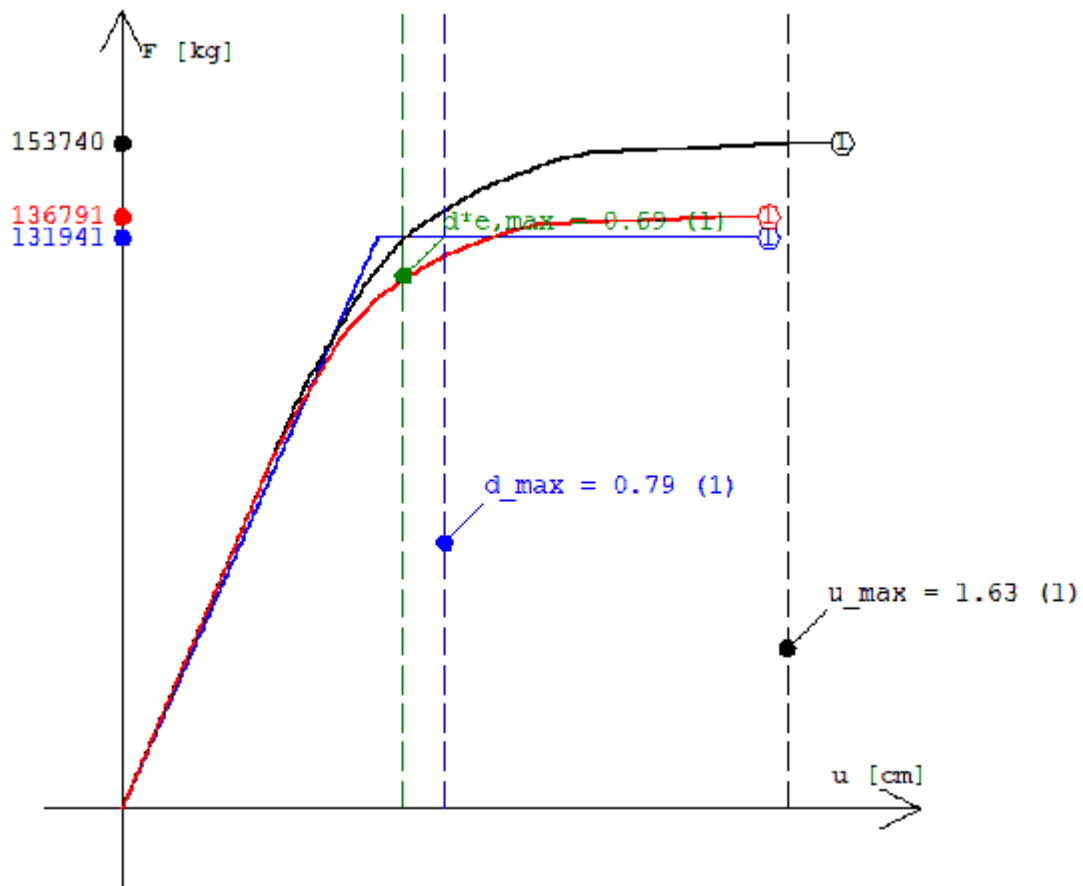
Cond\_X\_2(-); E(-); S2(+): 15) - Sisma X (-); 0.3 \* Sisma Y (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



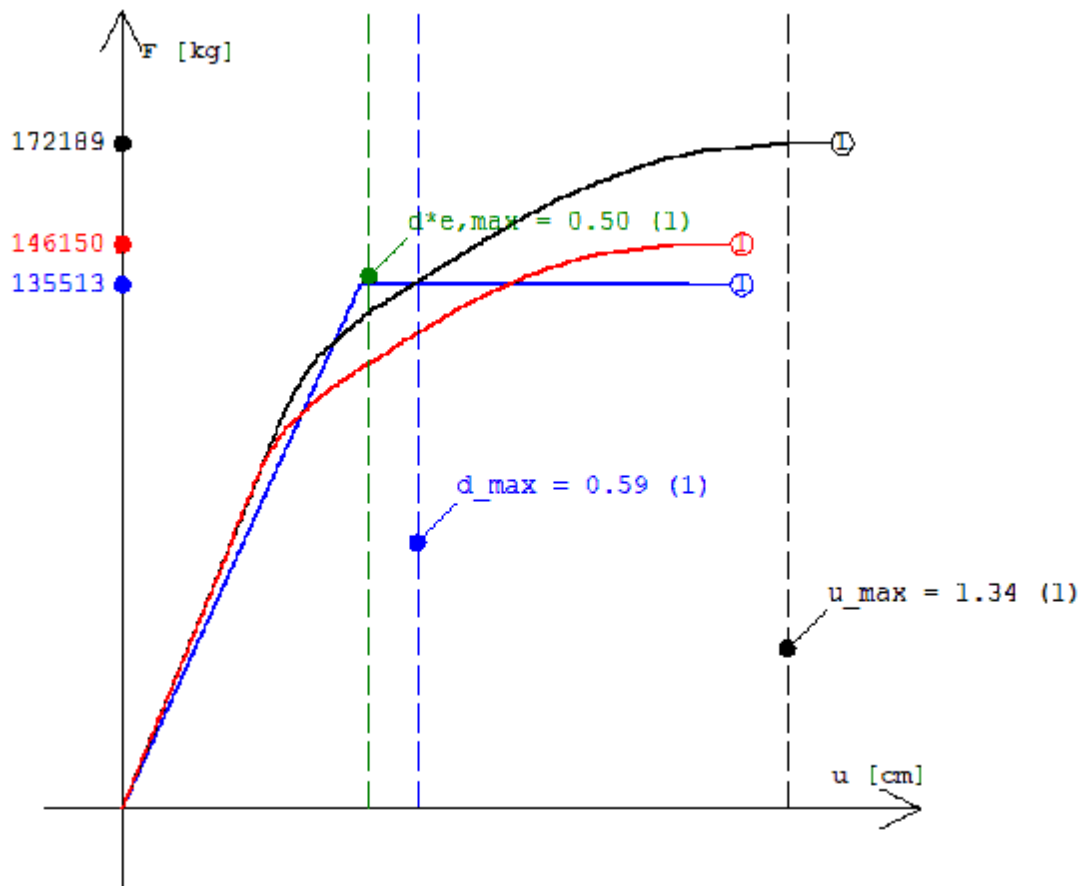
Cond\_X\_2(-); E(-); S2(-) : 16) - Sisma X (-); 0.3 \* Sisma Y (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Ly)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - Capacità di spostamento ( $u_max$ )
- - - Domanda di spostamento ( $d_max$ )



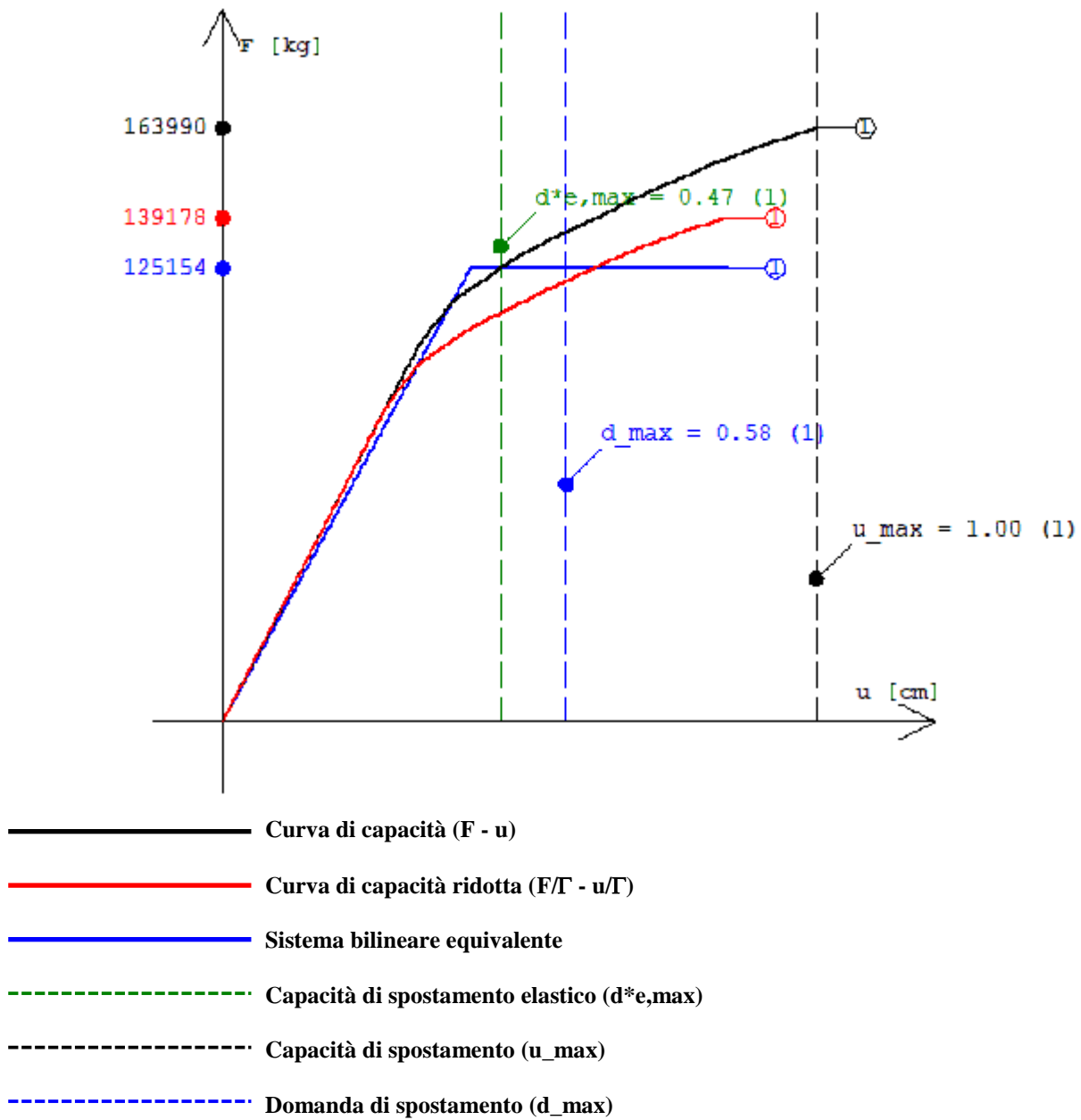
Cond\_Y\_1(+); E(+); S2(+): 17) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

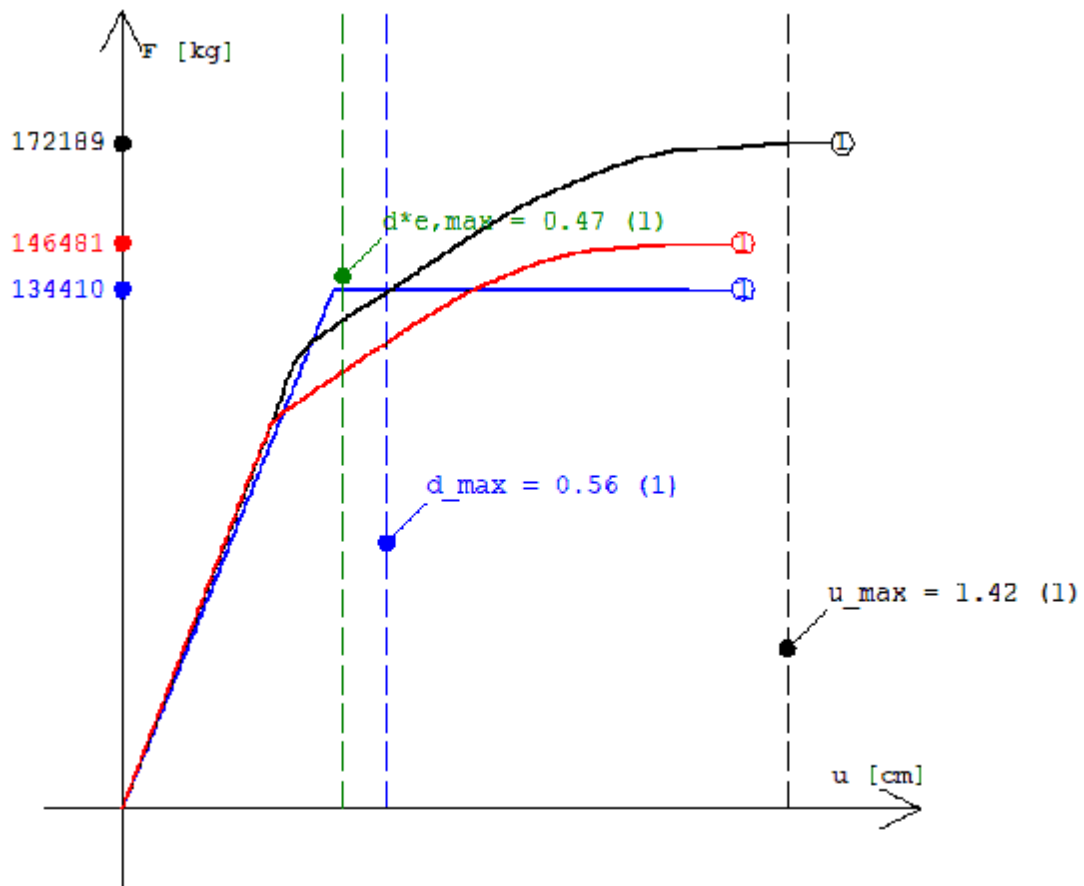


Cond\_Y\_1(+); E(+); S2(-) : 18) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)





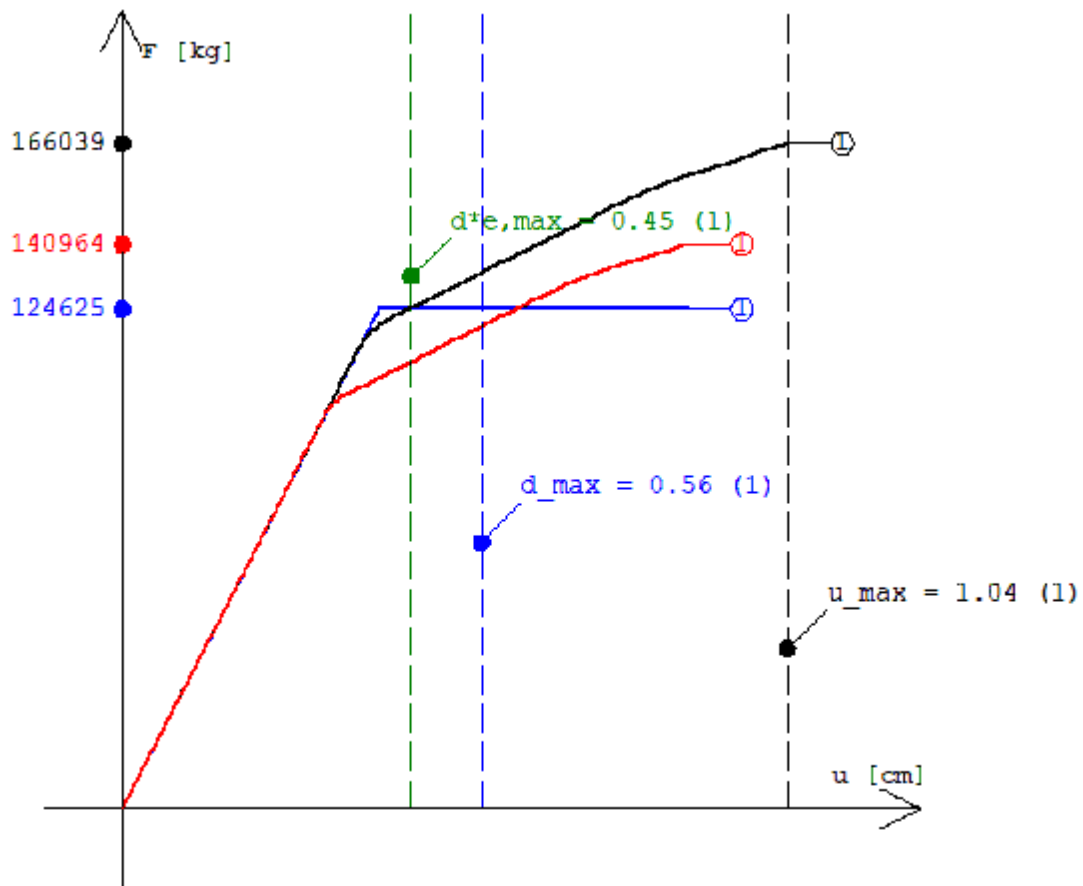
Cond\_Y\_1(+); E(-); S2(+): 19) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e,max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



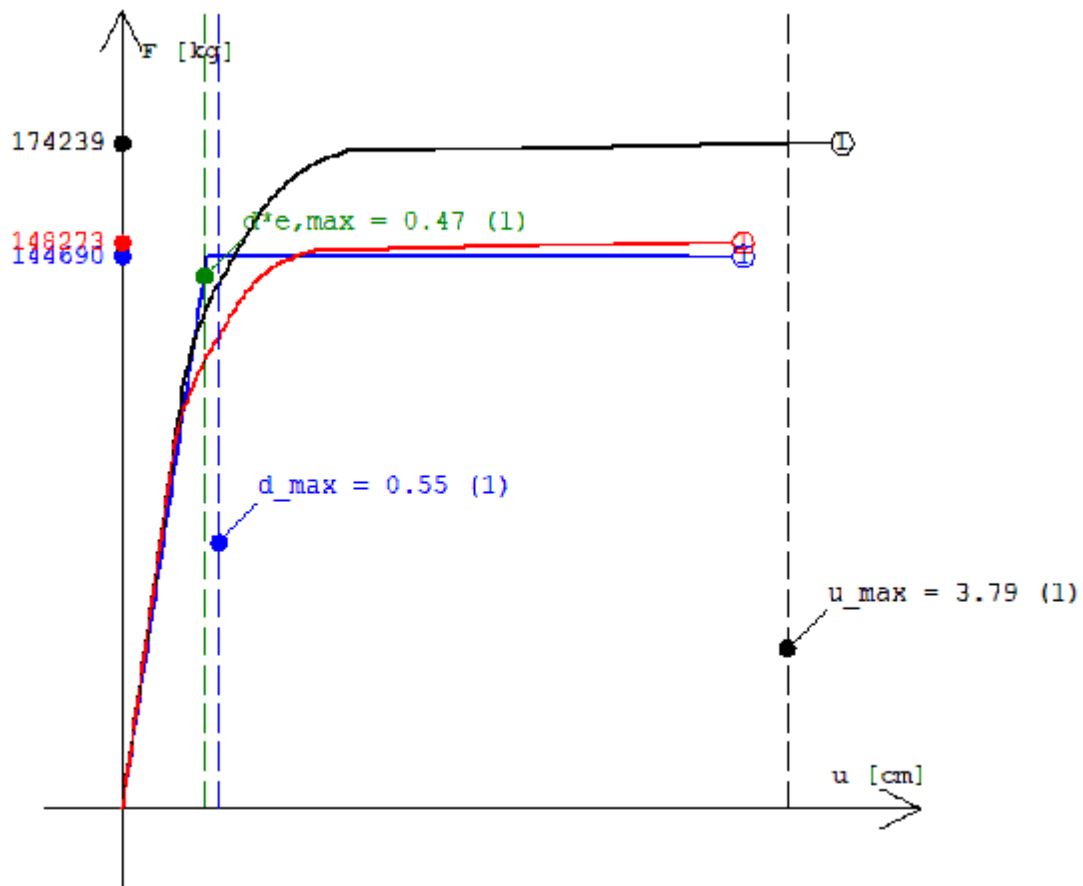
Cond\_Y\_1(+); E(-); S2(-): 20) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - - - Capacità di spostamento ( $u_{\max}$ )
- - - - - Domanda di spostamento ( $d_{\max}$ )



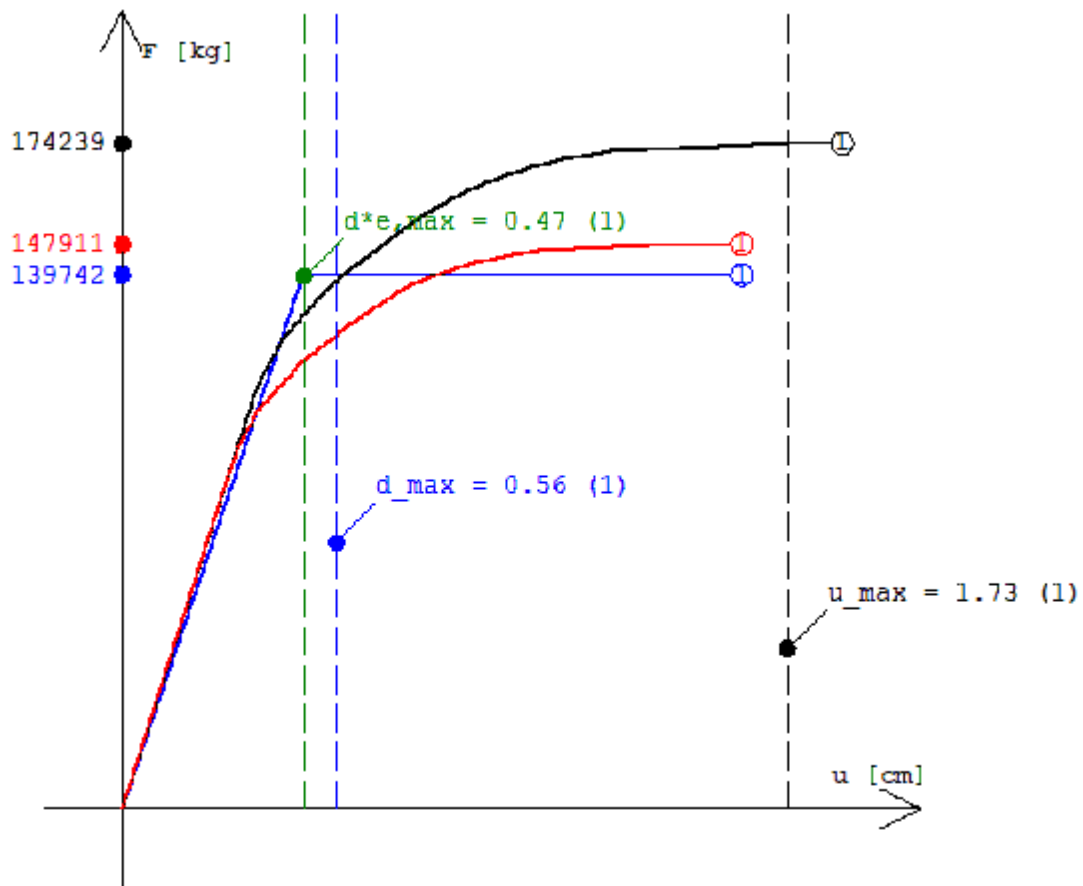
Cond\_Y\_1(-); E(+); S2(+): 21) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e, max$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )



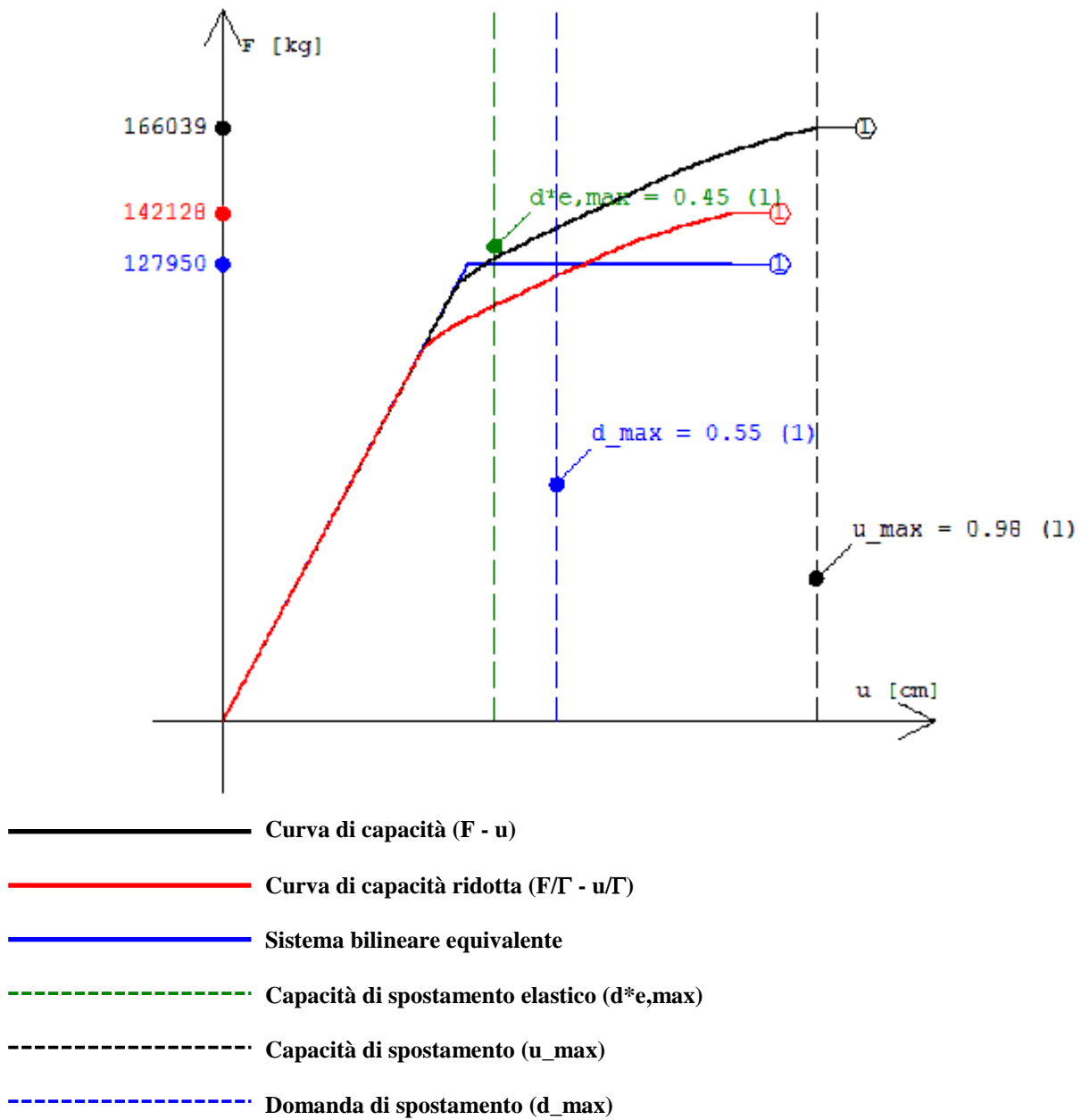
Cond\_Y\_1(-); E(+); S2(-): 22) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

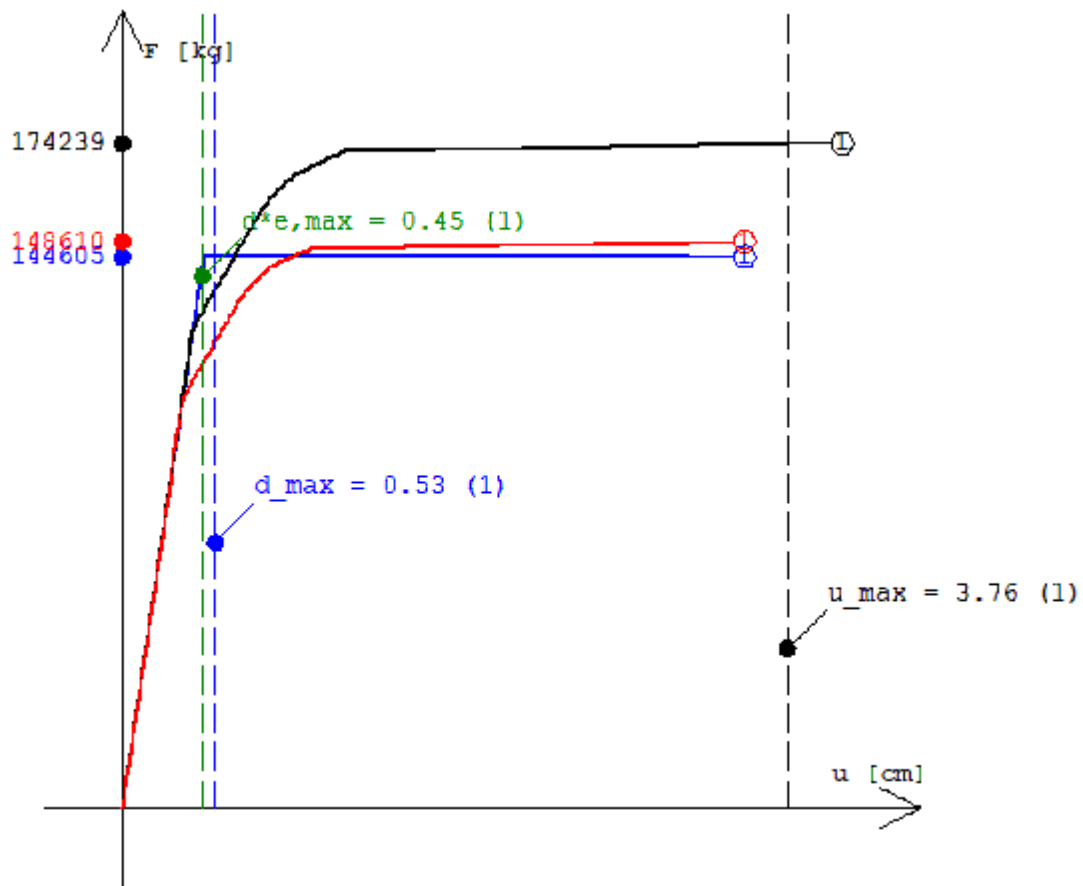


Cond\_Y\_1(-); E(-); S2(+): 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



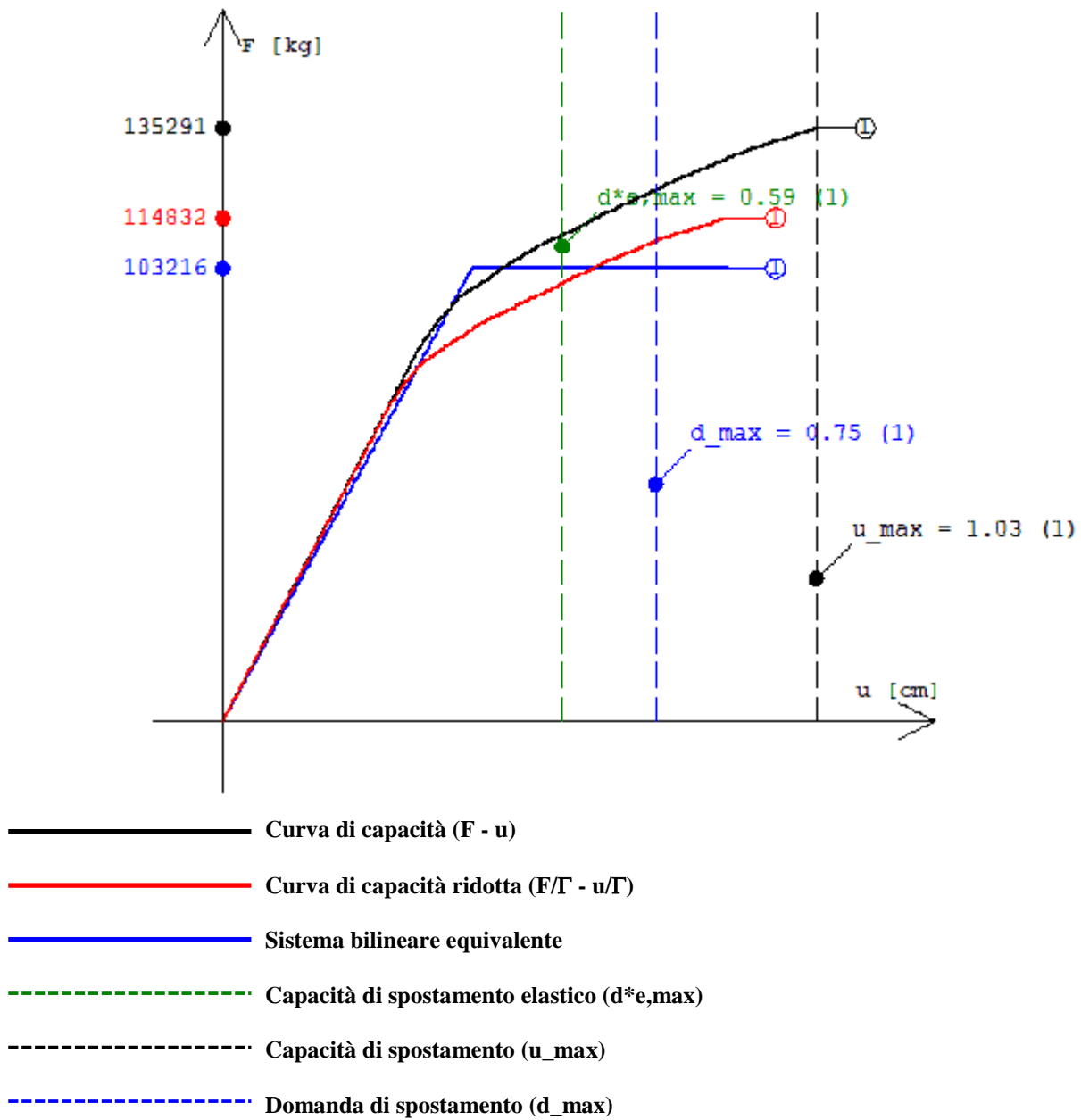


Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse;  
Eccentricità accidentale (- 0.05\*Lx)



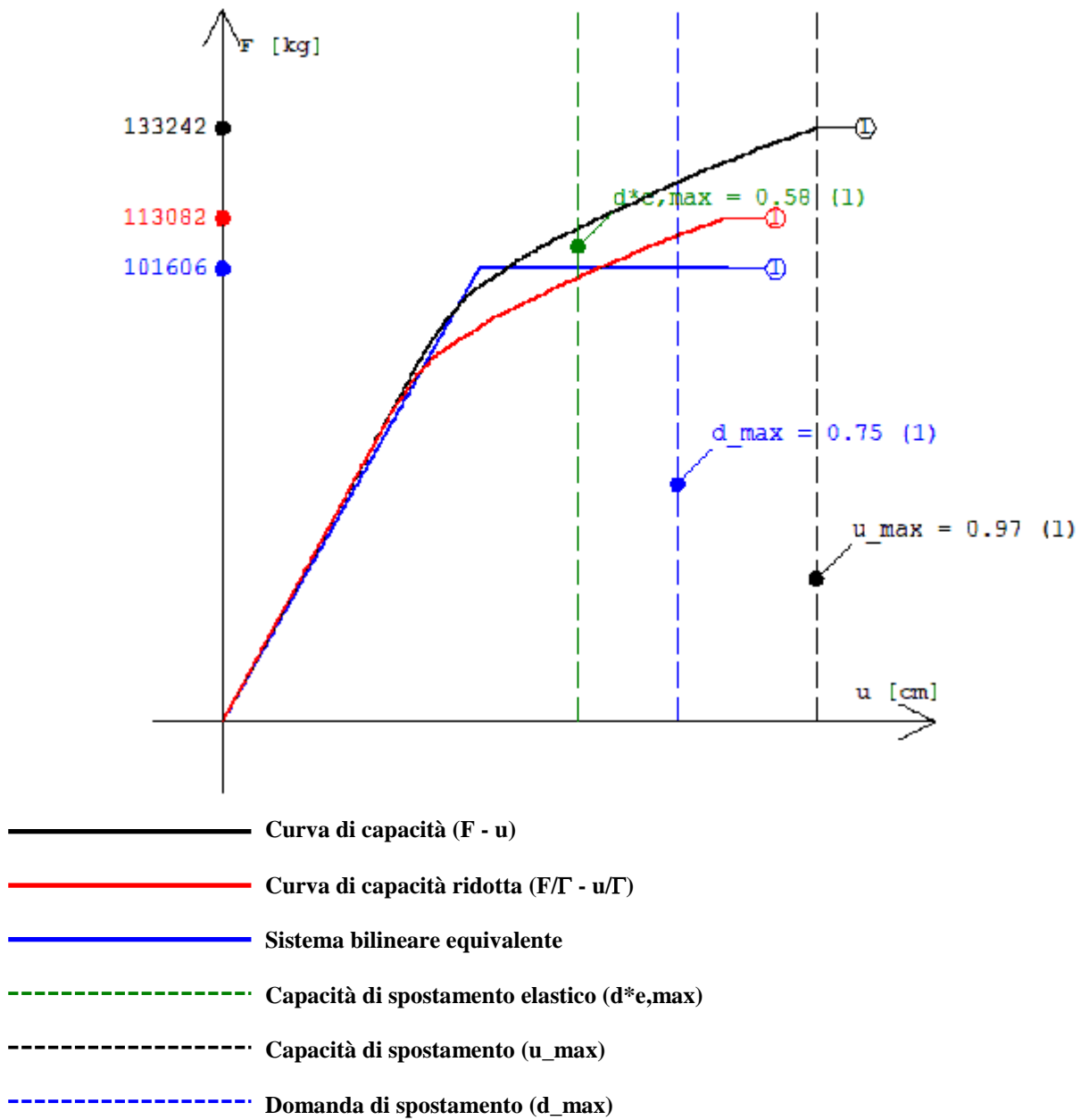


Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



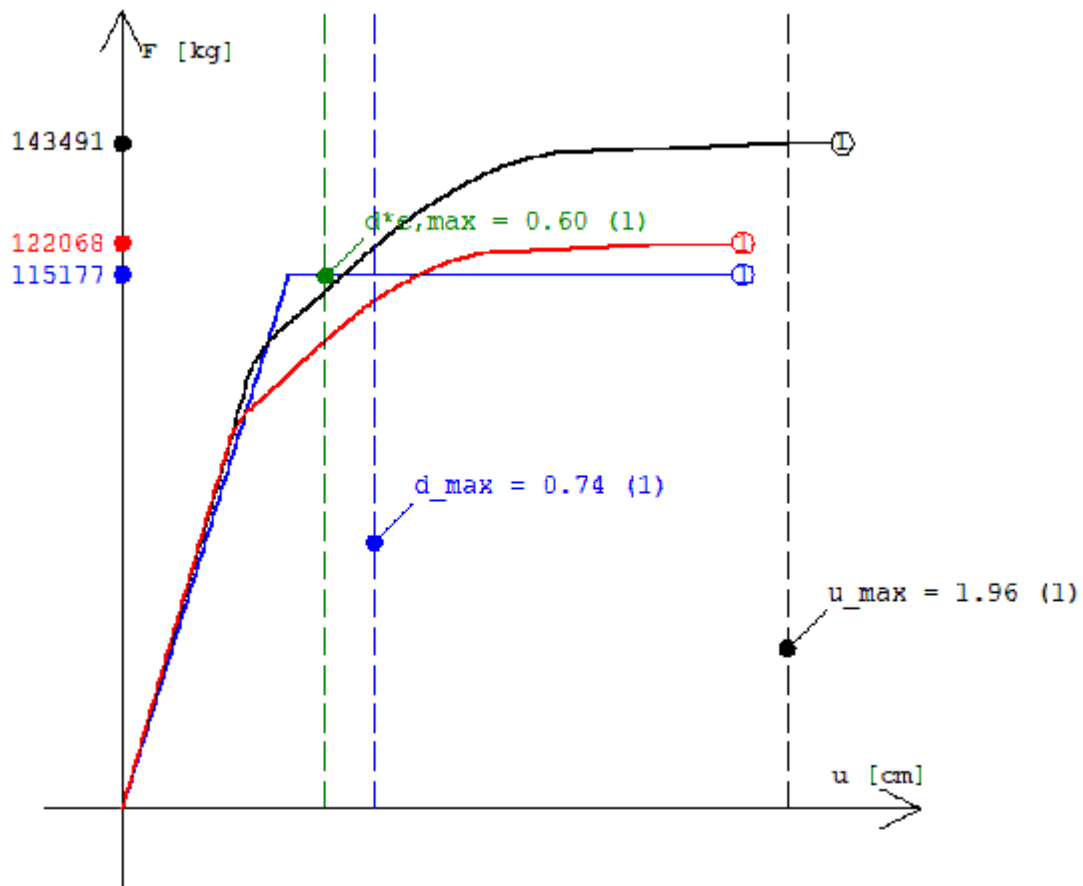


Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)





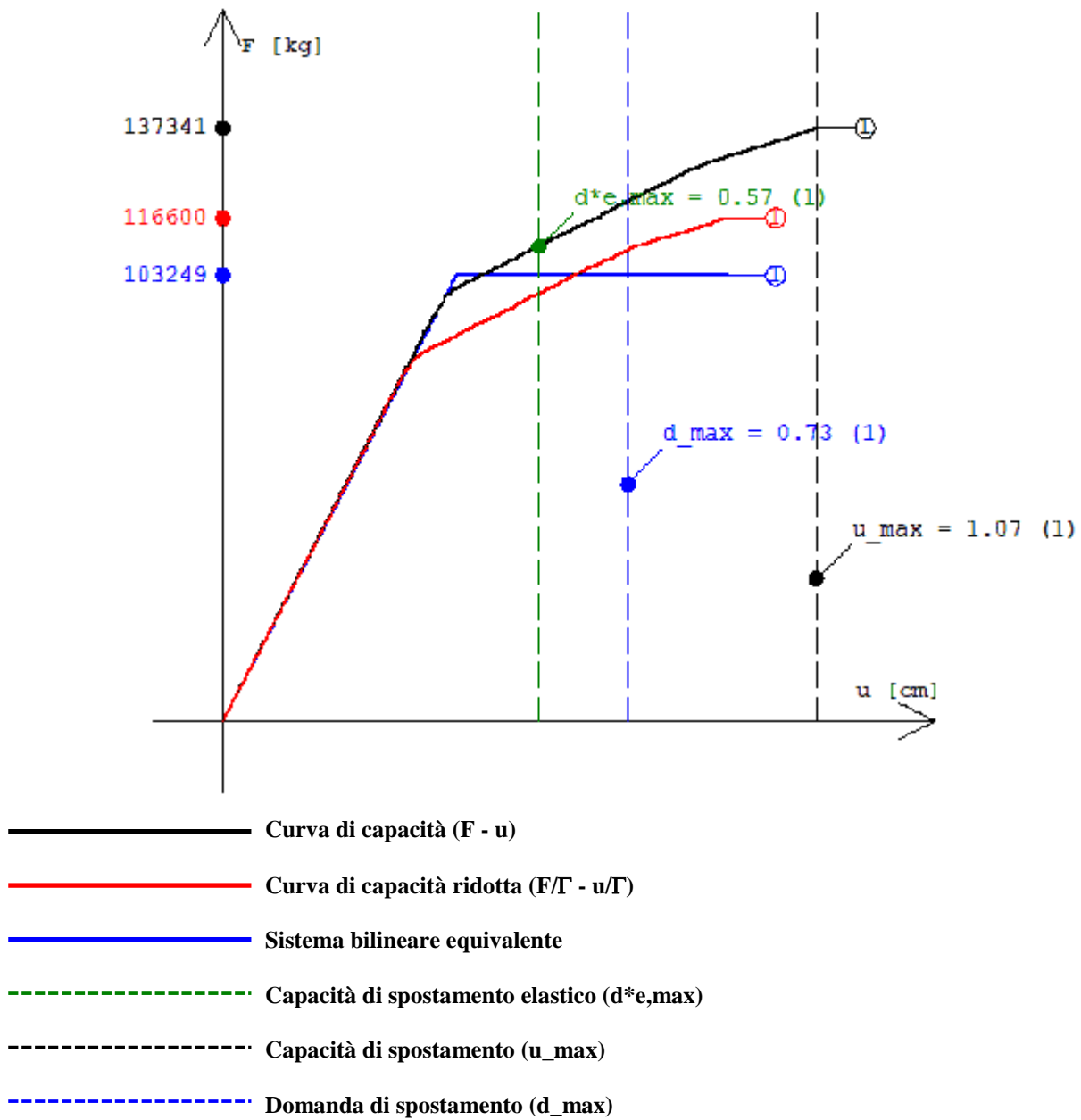
Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )

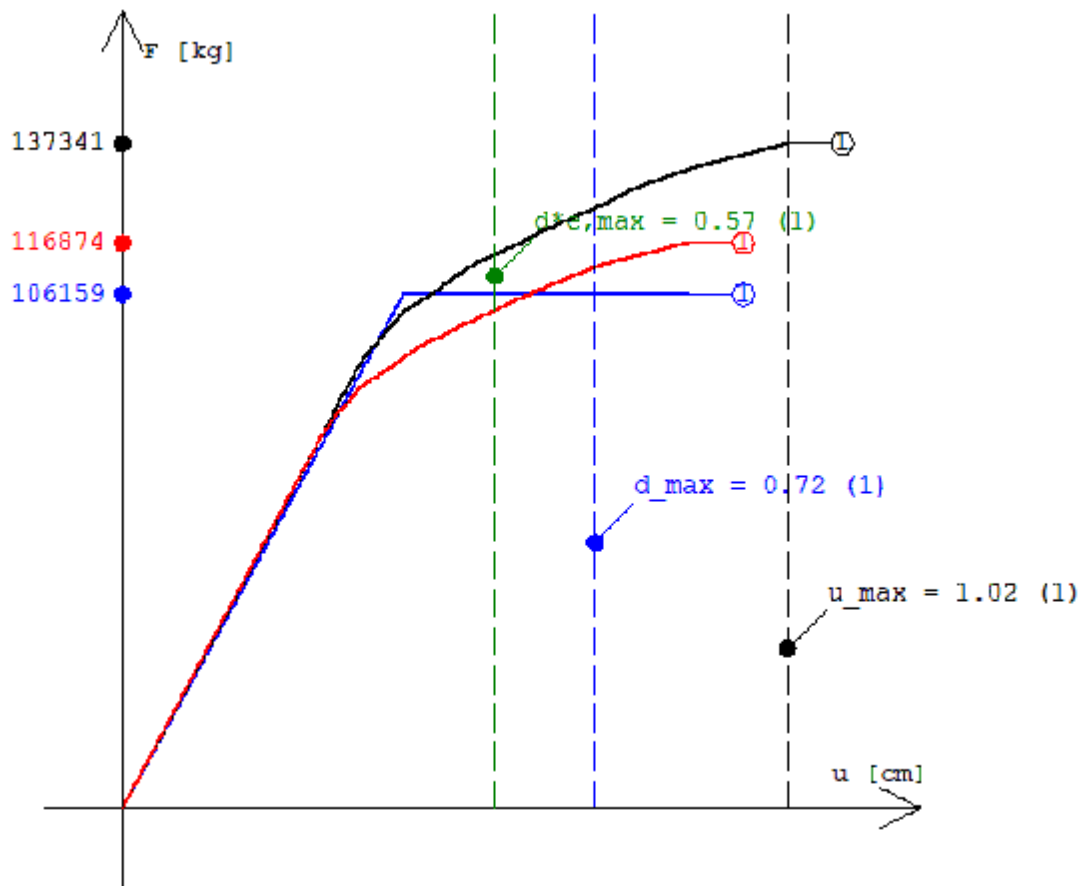


Cond\_Y\_2(+); E(-); S2(-): 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)





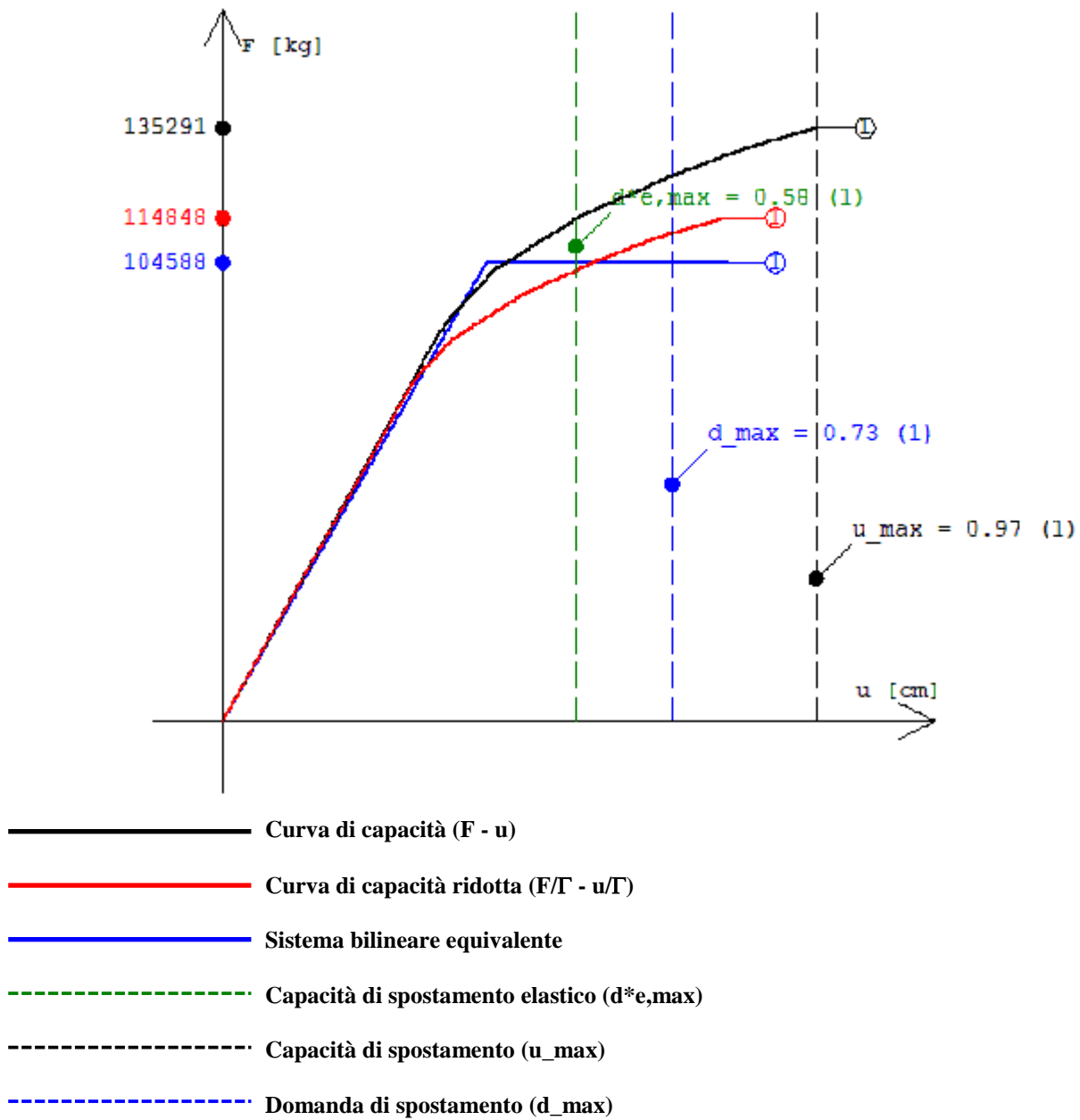
Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)



- Curva di capacità ( $F - u$ )
- Curva di capacità ridotta ( $F/T - u/T$ )
- Sistema bilineare equivalente
- - - Capacità di spostamento elastico ( $d^*e_{max}$ )
- - - Capacità di spostamento ( $u_{max}$ )
- - - Domanda di spostamento ( $d_{max}$ )

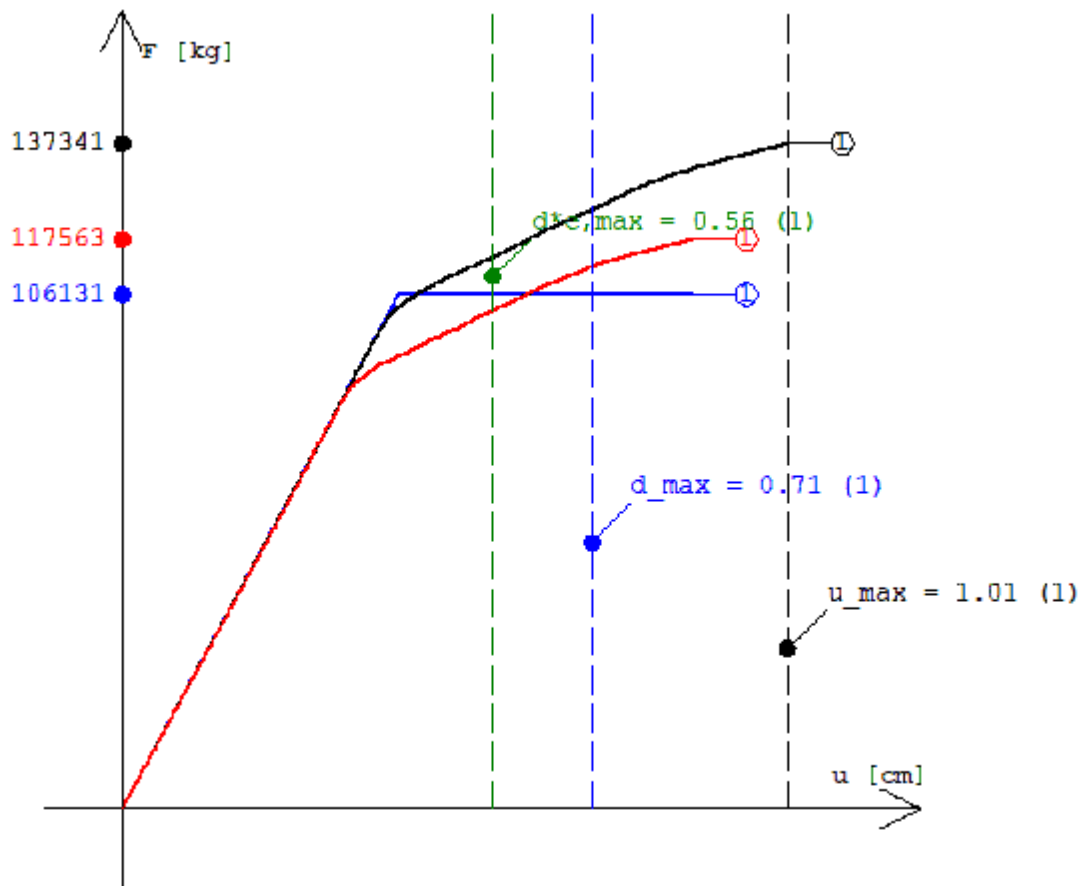


Cond\_Y\_2(-); E(+); S2(-): 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (+ 0.05\*Lx)





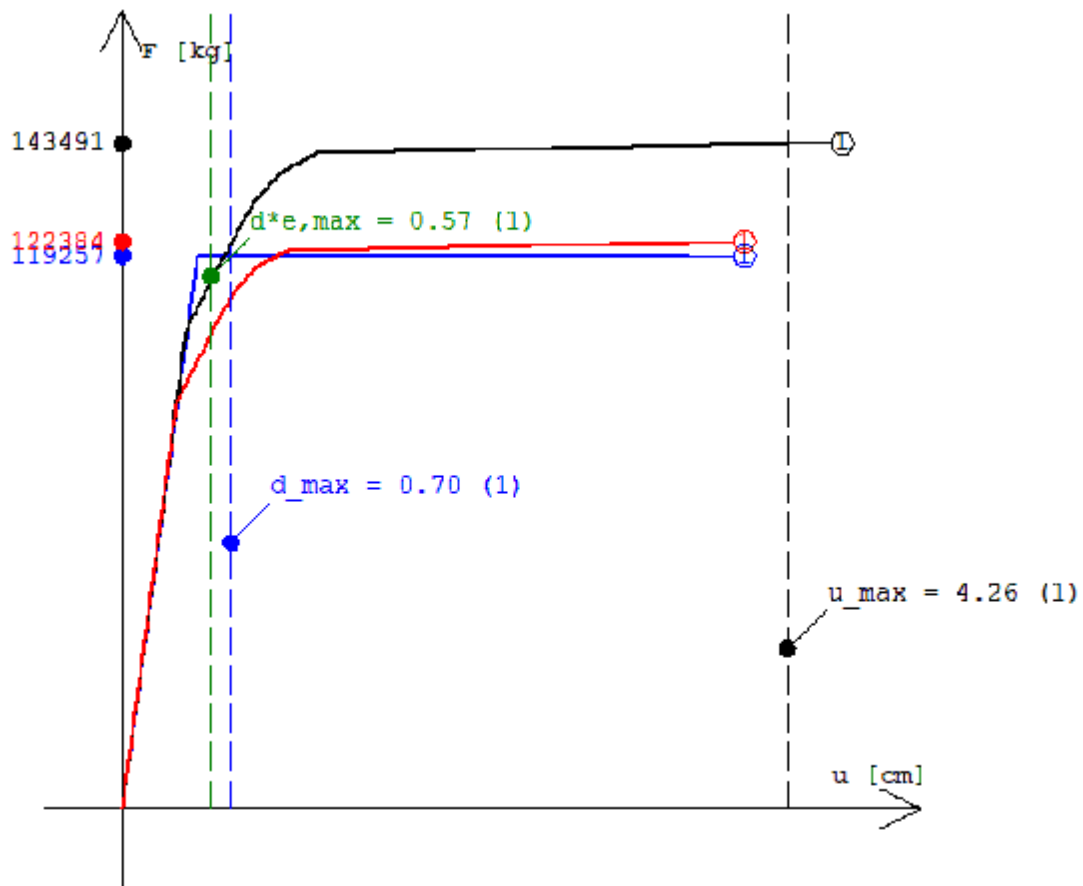
Cond\_Y\_2(-); E(-); S2(+): 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d_{e,max}$ )
- - - - - Capacità di spostamento ( $u_{max}$ )
- - - - - Domanda di spostamento ( $d_{max}$ )



Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze;  
Eccentricità accidentale (- 0.05\*Lx)



- Curva di capacità (F - u)
- Curva di capacità ridotta (F/T - u/T)
- Sistema bilineare equivalente
- - - - - Capacità di spostamento elastico ( $d^*e, \max$ )
- - - - - Capacità di spostamento ( $u_{\max}$ )
- - - - - Domanda di spostamento ( $d_{\max}$ )



### 4.3 Calcolo PGA.

#### 4.3.1 SLV.

Tabella 15.I

$S_t$	: fattore di amplificazione topografica.
$S_s$	: fattore di suolo.
$A_{g_{CLV}}$	: accelerazione massima di base.
$A_{g_{DLV}}$	: accelerazione di riferimento..
$PGA_{CLV}$	: accelerazione di picco al suolo ( $PGA_{CLV} = S_t \cdot S_s \cdot A_{g_{CLV}}$ ).
$PGA_{DLV}$	: accelerazione di picco al suolo di riferimento ( $PGA_{DLV} = S_t \cdot S_s \cdot A_{g_{DLV}}$ ).
$\alpha_{PGA,V}$	: indicatore di rischio in termini di accelerazione ( $PGA_{CLV} / PGA_{DLV}$ ).
$T_{RCLV}$	: periodo di ritorno associato al raggiungimento dello stato limite.
$T_{RDLV}$	: periodo di ritorno associato all'azione sismica del luogo.
$\alpha_{TR,V}$	: indicatore di rischio in termini di periodo di ritorno ( $T_{RCLV} / T_{RDLV}$ ) <sup>a</sup> .

Cond_X_1(+); E(+); S2(+)	: 1) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	
Eccentricità accidentale (+ 0.05*Ly)				
Cond_X_1(+); E(+); S2(-) : 2)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(-); S2(+): 3)	- Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(+); E(-); S2(-) : 4)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(+); S2(+): 5)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(+); S2(-) : 6)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(-); S2(+): 7)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(-); S2(-) : 8)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(+); S2(+)	: 9) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	
Eccentricità accidentale (+ 0.05*Ly)				
Cond_X_2(+); E(+); S2(-) : 10)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(-); S2(+): 11)	- Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(-); S2(-) : 12)	- Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(+); S2(+): 13)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(+); S2(-) : 14)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(-); S2(+): 15)	- Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(-); S2(-) : 16)	- Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_Y_1(+); E(+); S2(+)	: 17) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	
Eccentricità accidentale (+ 0.05*Lx)				
Cond_Y_1(+); E(+); S2(-) : 18)	- Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(+); E(-); S2(+): 19)	- Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(+); E(-); S2(-) : 20)	- Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(-); E(+); S2(+): 21)	- Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(-); E(+); S2(-) : 22)	- Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)



Cond\_Y\_1(-); E(-); S2(+) : 23) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_1(-); E(-); S2(-) : 24) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(+); E(+); S2(+) : 25) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(+); E(+); S2(-) : 26) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond.	S <sub>t</sub>	S <sub>s</sub>	Ag <sub>CLV</sub>	Ag <sub>DLV</sub>	PGA <sub>CLV</sub>	PGA <sub>DLV</sub>	α <sub>PGA,V</sub>	TR <sub>CLV</sub>	TR <sub>DLV</sub>	α <sub>TR,V</sub>
Cond_X_1(+); E(+); S2(+)	1.00	1.20	0.1850	0.1880	0.2220	0.2256	0.9840	684	712	0.9836
Cond_X_1(+); E(+); S2(-)	1.00	1.20	0.1850	0.1880	0.2220	0.2256	0.9840	684	712	0.9836
Cond_X_1(+); E(-); S2(+)	1.00	1.20	0.1850	0.1880	0.2220	0.2256	0.9840	684	712	0.9836
Cond_X_1(+); E(-); S2(-)	1.00	1.20	0.1850	0.1880	0.2220	0.2256	0.9840	684	712	0.9836
Cond_X_1(-); E(+); S2(+)	1.00	1.20	0.1840	0.1880	0.2208	0.2256	0.9787	675	712	0.9783
Cond_X_1(-); E(+); S2(-)	1.00	1.20	0.1840	0.1880	0.2208	0.2256	0.9787	675	712	0.9783
Cond_X_1(-); E(-); S2(+)	1.00	1.20	0.1840	0.1880	0.2208	0.2256	0.9787	675	712	0.9783
Cond_X_1(-); E(-); S2(-)	1.00	1.20	0.1840	0.1880	0.2208	0.2256	0.9787	675	712	0.9783
Cond_X_2(+); E(+); S2(+)	1.00	1.20	0.1615	0.1880	0.1938	0.2256	0.8590	491	712	0.8582
Cond_X_2(+); E(+); S2(-)	1.00	1.20	0.1610	0.1880	0.1932	0.2256	0.8564	487	712	0.8553
Cond_X_2(+); E(-); S2(+)	1.00	1.20	0.1610	0.1880	0.1932	0.2256	0.8564	487	712	0.8553
Cond_X_2(+); E(-); S2(-)	1.00	1.20	0.1610	0.1880	0.1932	0.2256	0.8564	487	712	0.8553
Cond_X_2(-); E(+); S2(+)	1.00	1.20	0.1600	0.1880	0.1920	0.2256	0.8511 *	480	712	0.8502
Cond_X_2(-); E(+); S2(-)	1.00	1.20	0.1600	0.1880	0.1920	0.2256	0.8511 *	480	712	0.8502
Cond_X_2(-); E(-); S2(+)	1.00	1.20	0.1600	0.1880	0.1920	0.2256	0.8511 *	480	712	0.8502
Cond_X_2(-); E(-); S2(-)	1.00	1.20	0.1600	0.1880	0.1920	0.2256	0.8511 *	480	712	0.8502
Cond_Y_1(+); E(+); S2(+)	1.00	1.20	0.1865	0.1880	0.2238	0.2256	0.9920	698	712	0.9919
Cond_Y_1(+); E(+); S2(-)	1.00	1.20	0.1870	0.1880	0.2244	0.2256	0.9947	702	712	0.9942
Cond_Y_1(+); E(-); S2(+)	1.00	1.20	0.1925	0.1880	0.2310	0.2256	1.0239	754	712	1.0239
Cond_Y_1(+); E(-); S2(-)	1.00	1.20	0.1940	0.1880	0.2328	0.2256	1.0319	768	712	1.0316
Cond_Y_1(-); E(+); S2(+)	1.00	1.20	0.3570	0.1880	0.2508	0.2256	1.1118	3402	712	1.9034
Cond_Y_1(-); E(+); S2(-)	1.00	1.20	0.1925	0.1880	0.2310	0.2256	1.0239	754	712	1.0239
Cond_Y_1(-); E(-); S2(+)	1.00	1.20	0.3735	0.1880	0.2497	0.2256	1.1067	3798	712	1.9916
Cond_Y_1(-); E(-); S2(-)	1.00	1.20	0.3635	0.1880	0.2498	0.2256	1.1074	3555	712	1.9382
Cond_Y_2(+); E(+); S2(+)	1.00	1.20	0.1615	0.1880	0.1938	0.2256	0.8590	491	712	0.8582
Cond_Y_2(+); E(+); S2(-)	1.00	1.20	0.1615	0.1880	0.1938	0.2256	0.8590	491	712	0.8582
Cond_Y_2(+); E(-); S2(+)	1.00	1.20	0.1670	0.1880	0.2004	0.2256	0.8883	533	712	0.8877
Cond_Y_2(+); E(-); S2(-)	1.00	1.20	0.2585	0.1880	0.2049	0.2256	0.9083	1548	712	1.3766
Cond_Y_2(-); E(+); S2(+)	1.00	1.20	0.1695	0.1880	0.2028	0.2256	0.8991	553	712	0.9012
Cond_Y_2(-); E(+); S2(-)	1.00	1.20	0.1675	0.1880	0.2010	0.2256	0.8910	537	712	0.8904
Cond_Y_2(-); E(-); S2(+)	1.00	1.20	0.1735	0.1880	0.2010	0.2256	0.8909	585	712	0.9223
Cond_Y_2(-); E(-); S2(-)	1.00	1.20	0.3570	0.1880	0.2060	0.2256	0.9133	3402	712	1.9034

\* valore minimo.

Nei casi in cui  $q^* > 3.00$ , la verifica viene effettuata con il fattore di comportamento massimo previsto ( $q^* = 3.00$ )

Indicatori di rischio della struttura

$\alpha_{PGA,V} = 0.8511$

$\alpha_{TR,V} = 0.8502$

### 4.3.2 SLD.

Tabella 16.I

S<sub>t</sub> : fattore di amplificazione topografica.

S<sub>s</sub> : fattore di suolo.



$A_{gCLD}$	: accelerazione massima di base.
$A_{gDLD}$	: accelerazione di riferimento..
$PGA_{CLD}$	: accelerazione di picco al suolo ( $PGA_{CLD} = S_t \cdot S_s \cdot A_{gCLD}$ ).
$PGA_{DLD}$	: accelerazione di picco al suolo di riferimento ( $PGA_{DLD} = S_t \cdot S_s \cdot A_{gDLD}$ ).
$\alpha_{PGA,D}$	: indicatore di rischio in termini di accelerazione ( $PGA_{CLD} / PGA_{DLD}$ ).
$T_{RCLD}$	: periodo di ritorno associato al raggiungimento dello stato limite.
$T_{RDLD}$	: periodo di ritorno associato all'azione sismica del luogo.
$\alpha_{TR,D}$	: indicatore di rischio in termini di periodo di ritorno ( $T_{RCLD} / T_{RDLD}$ ) <sup>a</sup> .

Cond_X_1(+); E(+); S2(+)	: 1 - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(+); S2(-) : 2)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(-); S2(+) : 3)	- Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(+); E(-); S2(-) : 4)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(+); S2(+) : 5)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(+); S2(-) : 6)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(-); S2(+) : 7)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(-); S2(-) : 8)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(+); S2(+)	: 9 - Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(+); S2(-) : 10)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(-); S2(+) : 11)	- Sisma X (+); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(-); S2(-) : 12)	- Sisma X (+); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(+); S2(+) : 13)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(+); S2(-) : 14)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(-); S2(+) : 15)	- Sisma X (-); 0.3 * Sisma Y (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(-); S2(-) : 16)	- Sisma X (-); 0.3 * Sisma Y (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05*Ly)
Cond_Y_1(+); E(+); S2(+)	: 17 - Sisma Y (+); 0.3 * Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(+); E(+); S2(-) : 18)	- Sisma Y (+); 0.3 * Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(+); E(-); S2(+) : 19)	- Sisma Y (+); 0.3 * Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(+); E(-); S2(-) : 20)	- Sisma Y (+); 0.3 * Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(-); E(+); S2(+) : 21)	- Sisma Y (-); 0.3 * Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(-); E(+); S2(-) : 22)	- Sisma Y (-); 0.3 * Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(-); E(-); S2(+) : 23)	- Sisma Y (-); 0.3 * Sisma X (+); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(-); E(-); S2(-) : 24)	- Sisma Y (-); 0.3 * Sisma X (-); Distribuzione forze: Proporzionale masse; Eccentricità accidentale (- 0.05*Lx)
Cond_Y_2(+); E(+); S2(+)	: 25 - Sisma Y (+); 0.3 * Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_2(+); E(+); S2(-) : 26)	- Sisma Y (+); 0.3 * Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05*Lx)



Cond\_Y\_2(+); E(-); S2(+) : 27) - Sisma Y (+); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(+); E(-); S2(-) : 28) - Sisma Y (+); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(+) : 29) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(+); S2(-) : 30) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (+ 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond.	S <sub>t</sub>	S <sub>s</sub>	Ag <sub>CLO</sub>	Ag <sub>DLO</sub>	PGA <sub>CLO</sub>	PGA <sub>DLO</sub>	α <sub>PGA,D</sub>	T <sub>RCLD</sub>	T <sub>RDLD</sub>	α <sub>TR,D</sub>
Cond_X_1(+); E(+); S2(+)	1.00	1.20	0.1070	0.0820	0.1284	0.0984	1.3049	143	75	1.3042
Cond_X_1(+); E(+); S2(-)	1.00	1.20	0.1380	0.0820	0.1656	0.0984	1.6829	266	75	1.6837
Cond_X_1(+); E(-); S2(+)	1.00	1.20	0.1240	0.0820	0.1488	0.0984	1.5122	205	75	1.5125
Cond_X_1(+); E(-); S2(-)	1.00	1.20	0.1315	0.0820	0.1578	0.0984	1.6037	237	75	1.6056
Cond_X_1(-); E(+); S2(+)	1.00	1.20	0.1480	0.0820	0.1776	0.0984	1.8049	316	75	1.8074
Cond_X_1(-); E(+); S2(-)	1.00	1.20	0.1380	0.0820	0.1656	0.0984	1.6829	266	75	1.6837
Cond_X_1(-); E(-); S2(+)	1.00	1.20	0.1735	0.0820	0.2082	0.0984	2.1159	466	75	2.1207
Cond_X_1(-); E(-); S2(-)	1.00	1.20	0.1380	0.0820	0.1656	0.0984	1.6829	266	75	1.6837
Cond_X_2(+); E(+); S2(+)	1.00	1.20	0.1110	0.0820	0.1332	0.0984	1.3537	156	75	1.3517
Cond_X_2(+); E(+); S2(-)	1.00	1.20	0.1165	0.0820	0.1398	0.0984	1.4207	176	75	1.4205
Cond_X_2(+); E(-); S2(+)	1.00	1.20	0.1115	0.0820	0.1338	0.0984	1.3598	158	75	1.3588
Cond_X_2(+); E(-); S2(-)	1.00	1.20	0.1165	0.0820	0.1398	0.0984	1.4207	176	75	1.4205
Cond_X_2(-); E(+); S2(+)	1.00	1.20	0.1335	0.0820	0.1602	0.0984	1.6280	246	75	1.6304
Cond_X_2(-); E(+); S2(-)	1.00	1.20	0.1270	0.0820	0.1524	0.0984	1.5488	217	75	1.5484
Cond_X_2(-); E(-); S2(+)	1.00	1.20	0.1215	0.0820	0.1458	0.0984	1.4817	195	75	1.4817
Cond_X_2(-); E(-); S2(-)	1.00	1.20	0.0920	0.0820	0.1104	0.0984	1.1220 *	99	75	1.1210
Cond_Y_1(+); E(+); S2(+)	1.00	1.20	0.1270	0.0820	0.1524	0.0984	1.5488	217	75	1.5484
Cond_Y_1(+); E(+); S2(-)	1.00	1.20	0.1355	0.0820	0.1626	0.0984	1.6524	255	75	1.6547
Cond_Y_1(+); E(-); S2(+)	1.00	1.20	0.1375	0.0820	0.1650	0.0984	1.6768	264	75	1.6785
Cond_Y_1(+); E(-); S2(-)	1.00	1.20	0.1295	0.0820	0.1554	0.0984	1.5793	228	75	1.5802
Cond_Y_1(-); E(+); S2(+)	1.00	1.20	0.3515	0.0820	0.4218	0.0984	4.2866	2610	75	4.3092
Cond_Y_1(-); E(+); S2(-)	1.00	1.20	0.1255	0.0820	0.1506	0.0984	1.5305	211	75	1.5306
Cond_Y_1(-); E(-); S2(+)	1.00	1.20	0.3680	0.0820	0.4416	0.0984	4.4878	2920	75	4.5129
Cond_Y_1(-); E(-); S2(-)	1.00	1.20	0.3580	0.0820	0.4296	0.0984	4.3659	2730	75	4.3896
Cond_Y_2(+); E(+); S2(+)	1.00	1.20	0.1455	0.0820	0.1746	0.0984	1.7744	303	75	1.7764
Cond_Y_2(+); E(+); S2(-)	1.00	1.20	0.1290	0.0820	0.1548	0.0984	1.5732	226	75	1.5745
Cond_Y_2(+); E(-); S2(+)	1.00	1.20	0.1065	0.0820	0.1278	0.0984	1.2988	141	75	1.2966
Cond_Y_2(+); E(-); S2(-)	1.00	1.20	0.1030	0.0820	0.1236	0.0984	1.2561	130	75	1.2540
Cond_Y_2(-); E(+); S2(+)	1.00	1.20	0.1220	0.0820	0.1464	0.0984	1.4878	197	75	1.4880
Cond_Y_2(-); E(+); S2(-)	1.00	1.20	0.1370	0.0820	0.1644	0.0984	1.6707	262	75	1.6732
Cond_Y_2(-); E(-); S2(+)	1.00	1.20	0.1355	0.0820	0.1626	0.0984	1.6524	255	75	1.6547
Cond_Y_2(-); E(-); S2(-)	1.00	1.20	0.1075	0.0820	0.1290	0.0984	1.3110	145	75	1.3117

\* valore minimo.

Indicatori di rischio della struttura

α<sub>PGA,D</sub> = 1.1220

α<sub>TR,D</sub> = 1.1210

### 4.3.3 SLO.

Tabella 17.I

S<sub>t</sub> : fattore di amplificazione topografica.

S<sub>s</sub> : fattore di suolo.

Ag<sub>CLO</sub> : accelerazione massima di base.

Ag<sub>DLO</sub> : accelerazione di riferimento..

PGA<sub>CLO</sub> : accelerazione di picco al suolo (PGA<sub>CLO</sub> = S<sub>t</sub> · S<sub>s</sub> · Ag<sub>CLO</sub>).

PGA<sub>DLO</sub> : accelerazione di picco al suolo di riferimento (PGA<sub>DLO</sub> = S<sub>t</sub> · S<sub>s</sub> · Ag<sub>DLO</sub>).

α<sub>PGA,O</sub> : indicatore di rischio in termini di accelerazione (PGA<sub>CLO</sub> / PGA<sub>DLO</sub>).

T<sub>RCLD</sub> : periodo di ritorno associato al raggiungimento dello stato limite.

T<sub>RDLO</sub> : periodo di ritorno associato all'azione sismica del luogo.

α<sub>TR,O</sub> : indicatore di rischio in termini di periodo di ritorno (T<sub>RCLD</sub> / T<sub>RDLO</sub>)<sup>a</sup>.



Cond_X_1(+); E(+); S2(+)	: 1) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(+); S2(-)	: 2) - Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(+); E(-); S2(+)	: 3) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(+); E(-); S2(-)	: 4) - Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(+); S2(+)	: 5) - Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(+); S2(-)	: 6) - Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_1(-); E(-); S2(+)	: 7) - Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_1(-); E(-); S2(-)	: 8) - Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(+); S2(+)	: 9) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(+); S2(-)	: 10) - Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(+); E(-); S2(+)	: 11) - Sisma X (+);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(+); E(-); S2(-)	: 12) - Sisma X (+);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(+); S2(+)	: 13) - Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(+); S2(-)	: 14) - Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Ly)
Cond_X_2(-); E(-); S2(+)	: 15) - Sisma X (-);	0.3 * Sisma Y (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_X_2(-); E(-); S2(-)	: 16) - Sisma X (-);	0.3 * Sisma Y (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Ly)
Cond_Y_1(+); E(+); S2(+)	: 17) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(+); E(+); S2(-)	: 18) - Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(+); E(-); S2(+)	: 19) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(+); E(-); S2(-)	: 20) - Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(-); E(+); S2(+)	: 21) - Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(-); E(+); S2(-)	: 22) - Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_1(-); E(-); S2(+)	: 23) - Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_1(-); E(-); S2(-)	: 24) - Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale masse;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_2(+); E(+); S2(+)	: 25) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_2(+); E(+); S2(-)	: 26) - Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_2(+); E(-); S2(+)	: 27) - Sisma Y (+);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_2(+); E(-); S2(-)	: 28) - Sisma Y (+);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (- 0.05*Lx)
Cond_Y_2(-); E(+); S2(+)	: 29) - Sisma Y (-);	0.3 * Sisma X (+);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Lx)
Cond_Y_2(-); E(+); S2(-)	: 30) - Sisma Y (-);	0.3 * Sisma X (-);	Distribuzione forze: Proporzionale altezze;	Eccentricità accidentale (+ 0.05*Lx)



Cond\_Y\_2(-); E(-); S2(+) : 31) - Sisma Y (-); 0.3 \* Sisma X (+); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)  
 Cond\_Y\_2(-); E(-); S2(-) : 32) - Sisma Y (-); 0.3 \* Sisma X (-); Distribuzione forze: Proporzionale altezze; Eccentricità accidentale (- 0.05\*Lx)

Cond.	S <sub>t</sub>	S <sub>s</sub>	Ag <sub>CLO</sub>	Ag <sub>DLO</sub>	PGA <sub>CLO</sub>	PGA <sub>DLO</sub>	α <sub>PGA,O</sub>	T <sub>RCLO</sub>	T <sub>RDLO</sub>	α <sub>TRO</sub>
Cond_X_1(+); E(+); S2(+)	1.00	1.20	0.0980	0.0670	0.1176	0.0804	1.4627	113	45	1.4607
Cond_X_1(+); E(+); S2(-)	1.00	1.20	0.1385	0.0670	0.1662	0.0804	2.0672	264	45	2.0711
Cond_X_1(+); E(-); S2(+)	1.00	1.20	0.0990	0.0670	0.1188	0.0804	1.4776	116	45	1.4765
Cond_X_1(+); E(-); S2(-)	1.00	1.20	0.1320	0.0670	0.1584	0.0804	1.9701	235	45	1.9743
Cond_X_1(-); E(+); S2(+)	1.00	1.20	0.1480	0.0670	0.1776	0.0804	2.2090	310	45	2.2127
Cond_X_1(-); E(+); S2(-)	1.00	1.20	0.1380	0.0670	0.1656	0.0804	2.0597	262	45	2.0647
Cond_X_1(-); E(-); S2(+)	1.00	1.20	0.1740	0.0670	0.2088	0.0804	2.5970	461	45	2.6052
Cond_X_1(-); E(-); S2(-)	1.00	1.20	0.1380	0.0670	0.1656	0.0804	2.0597	262	45	2.0647
Cond_X_2(+); E(+); S2(+)	1.00	1.20	0.0845	0.0670	0.1014	0.0804	1.2612	79	45	1.2606
Cond_X_2(+); E(+); S2(-)	1.00	1.20	0.1170	0.0670	0.1404	0.0804	1.7463	175	45	1.7487
Cond_X_2(+); E(-); S2(+)	1.00	1.20	0.0845	0.0670	0.1014	0.0804	1.2612	79	45	1.2606
Cond_X_2(+); E(-); S2(-)	1.00	1.20	0.1170	0.0670	0.1404	0.0804	1.7463	175	45	1.7487
Cond_X_2(-); E(+); S2(+)	1.00	1.20	0.1340	0.0670	0.1608	0.0804	2.0000	244	45	2.0051
Cond_X_2(-); E(+); S2(-)	1.00	1.20	0.1275	0.0670	0.1530	0.0804	1.9030	216	45	1.9070
Cond_X_2(-); E(-); S2(+)	1.00	1.20	0.1220	0.0670	0.1464	0.0804	1.8209	194	45	1.8245
Cond_X_2(-); E(-); S2(-)	1.00	1.20	0.1275	0.0670	0.1530	0.0804	1.9030	216	45	1.9070
Cond_Y_1(+); E(+); S2(+)	1.00	1.20	0.1275	0.0670	0.1530	0.0804	1.9030	216	45	1.9070
Cond_Y_1(+); E(+); S2(-)	1.00	1.20	0.1020	0.0670	0.1224	0.0804	1.5224	125	45	1.5226
Cond_Y_1(+); E(-); S2(+)	1.00	1.20	0.1380	0.0670	0.1656	0.0804	2.0597	262	45	2.0647
Cond_Y_1(+); E(-); S2(-)	1.00	1.20	0.1075	0.0670	0.1290	0.0804	1.6045	142	45	1.6047
Cond_Y_1(-); E(+); S2(+)	1.00	1.20	0.3525	0.0670	0.4230	0.0804	5.2612	2581	45	5.2929
Cond_Y_1(-); E(+); S2(-)	1.00	1.20	0.1640	0.0670	0.1968	0.0804	2.4478	399	45	2.4548
Cond_Y_1(-); E(-); S2(+)	1.00	1.20	0.1040	0.0670	0.1248	0.0804	1.5522	131	45	1.5523
Cond_Y_1(-); E(-); S2(-)	1.00	1.20	0.3590	0.0670	0.4308	0.0804	5.3582	2699	45	5.3912
Cond_Y_2(+); E(+); S2(+)	1.00	1.20	0.0880	0.0670	0.1056	0.0804	1.3134	87	45	1.3117
Cond_Y_2(+); E(+); S2(-)	1.00	1.20	0.0840	0.0670	0.1008	0.0804	1.2537 *	78	45	1.2540
Cond_Y_2(+); E(-); S2(+)	1.00	1.20	0.1565	0.0670	0.1878	0.0804	2.3358	356	45	2.3423
Cond_Y_2(+); E(-); S2(-)	1.00	1.20	0.0925	0.0670	0.1110	0.0804	1.3806	98	45	1.3775
Cond_Y_2(-); E(+); S2(+)	1.00	1.20	0.0895	0.0670	0.1074	0.0804	1.3358	91	45	1.3362
Cond_Y_2(-); E(+); S2(-)	1.00	1.20	0.0850	0.0670	0.1020	0.0804	1.2687	80	45	1.2672
Cond_Y_2(-); E(-); S2(+)	1.00	1.20	0.0900	0.0670	0.1080	0.0804	1.3433	92	45	1.3422
Cond_Y_2(-); E(-); S2(-)	1.00	1.20	0.3525	0.0670	0.4230	0.0804	5.2612	2581	45	5.2929

\* valore minimo.

Indicatori di rischio della struttura

α<sub>PGA,O</sub> = 1.2537

α<sub>TR,O</sub> = 1.2540

### 4.3.4 Verifica Fuori Piano PGA.

Tabella 18.I

Parete : numero della parete

Imp. : numero dell'impalcato

Fili : numero dei fili fissi iniziale e finale

Maschio : numero identificativo dei maschi murari di ogni parete;

PGA<sub>DLV</sub> : accelerazione di picco al suolo di riferimento (PGA<sub>DLV</sub> = S<sub>t</sub> · S<sub>s</sub> · Ag<sub>DLV</sub>).

PGA<sub>CLV</sub> : accelerazione di picco al suolo (PGA<sub>CLV</sub> = S<sub>t</sub> · S<sub>s</sub> · Ag<sub>CLV</sub>).

α<sub>uv</sub> : indicatore di rischio

Parete	Imp.	Fili	Maschio	PGA <sub>DLV</sub>	PGA <sub>CLV</sub>	α <sub>uv</sub>
1	Piano 1	1-2	1	0.23	9.32	41.29
			2	0.23	9.32	41.31
2	Piano 1	1-8	1	0.23	17.84	79.08
			2	0.23	17.80	78.90
			3	0.23	17.78	78.83
			4	0.23	17.84	79.07
3	Piano 1	2-3	1	0.23	8.59	38.09
4	Piano 1	2-9	1	0.23	0.00	0.00
5	Piano 1	3-4	1	0.23	16.90	74.91
			2	0.23	15.29	67.78
			3	0.23	16.71	74.06
			4	0.23	16.98	75.26



6	Piano 1	5-4	1	0.23	9.31	41.28
			2	0.23	9.31	41.28
7	Piano 1	6-5	1	0.23	9.29	41.16
8	Piano 1	10-5	1	0.23	0.00	0.00
9	Piano 1	7-6	1	0.23	17.85	79.14
			2	0.23	17.72	78.53
			3	0.23	17.72	78.53
			4	0.23	17.86	79.17
10	Piano 1	8-7	1	0.23	17.71	78.49
			2	0.23	17.58	77.91
11	Piano 1	7-10	1	0.23	7.75	34.36
12	Piano 1	8-9	1	0.23	7.72	34.20
13	Piano 1	9-10	1	0.23	4.81	21.32
14	Piano 2	1-2	1	0.23	0.12	0.54
			2	0.23	0.91	4.02
			3	0.23	0.55	2.43
15	Piano 2	1-8	1	0.23	1.73	7.68
			2	0.23	0.00	0.00
			3	0.23	0.00	0.00
			4	0.23	1.88	8.33
16	Piano 2	2-3	1	0.23	1.01	4.49
			2	0.23	0.94	4.16
17	Piano 2	2-9	1	0.23	0.00	0.00
			2	0.23	0.00	0.00
			3	0.23	0.00	0.00
18	Piano 2	3-4	1	0.23	0.81	3.61
			2	0.23	0.78	3.47
			3	0.23	0.76	3.36
			4	0.23	0.59	2.62
			5	0.23	0.58	2.58
			6	0.23	0.76	3.37
			7	0.23	0.78	3.48
			8	0.23	0.82	3.65
19	Piano 2	5-4	1	0.23	1.02	4.53
			2	0.23	1.00	4.43
20	Piano 2	6-5	1	0.23	1.00	4.42
			2	0.23	0.00	0.00
21	Piano 2	10-5	1	0.23	0.85	3.75
			2	0.23	0.00	0.00
			3	0.23	0.00	0.00
22	Piano 2	7-6	1	0.23	1.82	8.08
			2	0.23	0.00	0.00
			3	0.23	0.00	0.00
			4	0.23	1.86	8.26
23	Piano 2	8-7	1	0.23	1.98	8.76
			2	0.23	1.98	8.76
24	Piano 2	7-10	1	0.23	0.05	0.22
			2	0.23	0.89	3.93
25	Piano 2	8-9	1	0.23	0.92	4.07
26	Piano 2	9-10	1	0.23	0.00	0.00
			2	0.23	0.53	2.33
27	Piano 3	1-2	1	0.23	0.65	2.89
			2	0.23	0.74	3.30
28	Piano 3	1-8	1	0.23	1.59	7.03
			2	0.23	1.78	7.88
			3	0.23	1.77	7.84
			4	0.23	1.60	7.09
29	Piano 3	2-3	1	0.23	0.69	3.06
			2	0.23	0.70	3.09
30	Piano 3	2-9	1	0.23	0.81	3.59
			2	0.23	0.79	3.49
31	Piano 3	3-4	1	0.23	0.47	2.09
			2	0.23	0.46	2.05
			3	0.23	0.44	1.96
			4	0.23	0.44	1.96
			5	0.23	0.46	2.05
			6	0.23	0.47	2.07
32	Piano 3	5-4	1	0.23	0.69	3.08
			2	0.23	0.69	3.08
33	Piano 3	6-5	1	0.23	0.64	2.84
34	Piano 3	10-5	1	0.23	0.80	3.53
35	Piano 3	7-6	1	0.23	1.58	7.02



			2	0.23	1.79	7.95
			3	0.23	1.79	7.95
			4	0.23	1.55	6.87
36	Piano 3	8-7	1	0.23	1.61	7.16
			2	0.23	1.58	7.00
37	Piano 3	7-10	1	0.23	0.58	2.59
			2	0.23	0.75	3.34
38	Piano 3	8-9	1	0.23	0.58	2.58
			2	0.23	0.73	3.25
39	Piano 3	9-10	1	0.23	0.40	1.75
			2	0.23	0.46	2.06

Indicatore di rischio della struttura per verifica fuori piano ( $\alpha_{uv} = PGA_{CLV} / PGA_{DLV}$ )

$\alpha_{uv} = 0.0000$

### 4.3.5 Meccanismi Locali.

Tabella 19.I

Tip. Mecc. : tipologia di meccanismo  
 Fili : numero dei fili fissi che interessano il meccanismo  
 Cerniera : coordinate della cerniera  
 Rotazione : verso di rotazione degli elementi  
 $\alpha_0$  : moltiplicatore di collasso minimo  
 $e^*$  : frazione di massa partecipante  
 $a^*_0$  : accelerazione spettrale  
 $S$  : Fattore di suolo  
 $PGA_{CLV}$  : accelerazione di picco al suolo ( $PGA_{CLV} = S \cdot Ag_{CLV}$ )  
 $PGA_{DLV}$  : accelerazione di picco al suolo di riferimento ( $PGA_{DLV} = S \cdot Ag_{DLV}$ )  
 $\alpha_{uv}$  : indicatore di rischio

								SLV		
Tip. Mecc.	Fili	Cerniera [cm]	Rotazione	$\alpha_0$	$e^*$	$a^*_0$ [cm/sec <sup>2</sup> ]	$S$	$PGA_{CLV}$	$PGA_{DLV}$	$\alpha_{uv}$
Ribaltamento Semplice	5, 4	30.00 , 683.00	Orario	0.10	0.94	74.68	1.20	0.076	0.226	0.335

								SLD		
Tip. Mecc.	Fili	Cerniera [cm]	Rotazione	$\alpha_0$	$e^*$	$a^*_0$ [cm/sec <sup>2</sup> ]	$S$	$PGA_{CLV}$	$PGA_{DLV}$	$\alpha_{uv}$
Ribaltamento Semplice	5, 4	30.00 , 683.00	Orario	0.10	0.94	74.68	1.20	0.037	0.098	0.378

## 4.4 Verifica Stati Limite di Danno.

### 4.4.1 Involuppi dei Cinematismi nodali.

I dati seguenti riportano i valori dei Cinematismi nodali che definiscono la struttura ed in modo particolare:

Nodo : numerazione interna del nodo.  
 $X$  : distanza dal nodo iniziale misurata lungo l'asse dell'asta.  
 Cinematismi nodali : valore dello Sforzo Normale nel punto considerato:  
 $V_x$  : traslazione X rispetto al sistema di riferimento globale.  
 $V_y$  : traslazione Y rispetto al sistema di riferimento globale.  
 $V_z$  : Traslazione Z rispetto al sistema di riferimento globale.  
 $R_x$  : rotazione X rispetto al sistema di riferimento globale.  
 $R_y$  : rotazione Y rispetto al sistema di riferimento globale.



Rz : rotazione Z rispetto al sistema di riferimento globale.  
 Max : valore massimo (rispetto al sistema di riferimento globale) dell'involuppo.  
 Min : valore minimo (rispetto al sistema di riferimento globale) dell'involuppo.  
 CMax : combinazione massima di appartenenza del valore considerato nell'involuppo.  
 CMin : combinazione minima di appartenenza del valore considerato nell'involuppo.

Tabella 20.I

STATO LIMITE DI DANNO												
Nodo	Vx [cm]		Vy [cm]		Vz [cm]		Rx [rad]		Ry [rad]		Rz [rad]	
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
1	0.034	-0.039	0.086	-0.084	-0.150	-0.651	5.6E-4	-1.8E-3	1.9E-3	-2.5E-6	3.5E-4	-3.2E-4
2	0.088	-0.151	0.102	-0.098	-0.114	-0.479	1.5E-4	-1.3E-4	7.9E-4	-5.9E-4	1.8E-4	-1.9E-4
3	0.058	-0.081	0.085	-0.083	-0.193	-0.407	7.7E-4	-1.8E-4	1.3E-3	-2.8E-4	3.2E-4	-3.2E-4
4	0.063	-0.049	0.109	-0.094	-0.272	-0.478	1.9E-3	5.2E-4	-9.3E-5	-1.7E-3	2.8E-4	-3.5E-4
5	0.133	-0.073	0.130	-0.119	-0.091	-0.553	4.5E-4	-4.6E-4	6.9E-4	-1.0E-3	2.0E-4	-2.1E-4
6	0.044	-0.038	0.099	-0.117	-0.110	-0.657	6.4E-4	-1.4E-3	3.4E-4	-1.6E-3	4.1E-4	-3.9E-4
7	0.032	-0.031	0.128	-0.139	-0.037	-0.493	6.4E-4	-8.6E-4	8.3E-4	-9.3E-4	1.3E-4	-1.6E-4
8	0.033	-0.033	0.147	-0.168	0.007	-0.554	1.0E-3	-1.1E-3	9.7E-4	-7.9E-4	1.3E-4	-1.1E-4
9	0.178	-0.181	0.171	-0.154	-0.140	-0.540	1.2E-3	-7.1E-4	2.0E-4	-1.4E-4	3.1E-4	-3.2E-4
10	0.160	-0.150	0.133	-0.123	-0.137	-0.508	1.1E-3	-6.5E-4	3.4E-4	-2.7E-4	3.1E-4	-2.8E-4
11	0.051	-0.378	0.219	-0.395	-0.162	-0.700	7.9E-4	-1.7E-3	1.8E-3	-2.4E-4	1.4E-4	-1.4E-5
12	0.212	-0.286	0.143	-0.160	-0.125	-0.545	5.6E-4	-8.7E-4	7.7E-4	-7.6E-4	1.3E-5	-1.7E-4
13	0.121	-0.335	0.199	-0.151	-0.200	-0.450	9.7E-4	-6.9E-4	1.3E-3	-4.2E-4	-8.4E-5	-1.8E-4
14	0.396	-0.043	0.451	-0.013	-0.285	-0.521	1.9E-3	2.6E-4	6.8E-5	-1.8E-3	7.9E-5	-8.9E-5
15	0.319	-0.222	0.216	-0.231	-0.098	-0.618	6.4E-4	-7.5E-4	8.2E-4	-9.1E-4	8.8E-5	-7.9E-5
16	0.343	-0.104	0.248	-0.328	-0.115	-0.702	8.2E-4	-1.1E-3	5.6E-4	-1.6E-3	-4.0E-5	-2.5E-4
17	0.200	-0.208	0.272	-0.285	-0.042	-0.541	8.2E-4	-7.5E-4	1.1E-3	-9.7E-4	1.1E-4	-1.5E-4
18	0.207	-0.215	0.362	-0.354	0.007	-0.603	1.1E-3	-8.7E-4	1.1E-3	-1.1E-3	8.6E-5	-5.5E-5
19	0.181	-0.190	0.393	-0.328	-0.147	-0.615	1.1E-3	-8.8E-4	3.7E-4	-4.2E-4	9.4E-5	-1.6E-4
20	0.212	-0.219	0.345	-0.282	-0.151	-0.565	1.0E-3	-8.2E-4	6.6E-4	-5.3E-4	2.1E-4	-1.6E-4
21	0.395	-1.244	0.809	-1.307	-0.173	-0.809	1.2E-3	-1.8E-3	1.6E-3	-9.6E-4	3.4E-4	-1.6E-4
22	0.737	-0.783	0.870	-1.246	-0.149	-0.722	1.5E-3	-2.6E-3	9.0E-4	-1.2E-3	-8.3E-5	-5.8E-4
23	0.439	-1.067	1.134	-0.982	-0.226	-0.521	2.1E-3	-1.9E-3	1.5E-3	-7.2E-4	1.1E-4	-3.9E-4
24	1.314	-0.193	1.495	-0.044	-0.316	-0.586	2.1E-3	-9.6E-5	3.6E-4	-1.8E-3	2.4E-4	-2.6E-4
25	0.803	-0.717	0.717	-0.823	-0.112	-0.791	9.9E-4	-1.1E-3	1.1E-3	-9.5E-4	2.3E-4	-2.6E-4
26	1.051	-0.588	0.706	-0.833	-0.125	-0.771	9.9E-4	-1.0E-3	1.3E-3	-1.2E-3	-6.0E-5	-5.5E-4
27	0.834	-0.805	0.837	-0.724	-0.051	-0.678	1.1E-3	-8.9E-4	1.2E-3	-1.4E-3	2.0E-4	-2.9E-4
28	0.763	-0.876	0.915	-0.781	0.001	-0.726	1.2E-3	-9.9E-4	1.5E-3	-1.1E-3	3.2E-4	-1.7E-4
29	0.778	-0.742	0.963	-0.733	-0.206	-0.782	1.5E-3	-5.1E-4	1.1E-3	-1.2E-3	2.4E-4	-2.5E-4
30	0.752	-0.768	0.873	-0.688	-0.193	-0.669	1.2E-3	-6.7E-4	9.6E-4	-1.1E-3	3.2E-4	-1.7E-4
31	0.727	-1.794	1.270	-2.071	-0.174	-0.868	1.2E-3	-2.1E-3	1.3E-3	-8.4E-4	4.3E-4	-4.4E-4
32	1.204	-1.085	1.254	-2.087	-0.161	-0.773	7.7E-4	-2.0E-3	7.4E-4	-1.3E-3	-6.6E-5	-9.3E-4
33	0.674	-1.579	1.775	-1.566	-0.260	-0.523	1.5E-3	-1.3E-3	1.3E-3	-5.8E-4	2.9E-4	-5.7E-4
34	1.966	-0.287	2.258	0.000	-0.344	-0.594	1.9E-3	2.0E-4	2.1E-4	-1.6E-3	4.2E-4	-4.5E-4
35	1.124	-1.165	1.085	-1.174	-0.123	-0.828	9.8E-4	-9.1E-4	1.2E-3	-7.0E-4	3.2E-4	-5.4E-4
36	1.438	-1.084	1.060	-1.198	-0.142	-0.795	8.8E-4	-9.7E-4	1.3E-3	-9.0E-4	1.6E-4	-7.1E-4
37	1.326	-1.196	1.240	-1.118	-0.061	-0.740	1.0E-3	-1.1E-3	9.5E-4	-1.2E-3	3.6E-4	-5.1E-4
38	1.115	-1.406	1.403	-1.210	-0.014	-0.777	1.2E-3	-1.2E-3	1.3E-3	-8.5E-4	5.7E-4	-3.0E-4
39	1.156	-1.133	1.775	-0.838	-0.273	-0.840	2.5E-3	-1.4E-4	1.1E-3	-1.1E-3	1.7E-4	-6.9E-4
40	1.080	-1.210	1.525	-0.833	-0.238	-0.716	2.1E-3	-3.1E-4	1.3E-3	-7.2E-4	3.7E-4	-4.9E-4
41	0.128	-0.381	0.257	-0.364	0.161	-0.594	0.0E+0	0.0E+0	1.7E-3	-4.7E-4	1.8E-4	-1.6E-4
42	0.046	-0.076	0.108	-0.106	0.074	-0.490	1.8E-3	-1.3E-3	1.5E-3	-5.2E-4	3.4E-4	-5.5E-4
43	0.216	-0.283	0.143	-0.166	-0.112	-0.551	0.0E+0	0.0E+0	7.5E-4	-7.3E-4	7.3E-6	-1.4E-4
44	0.080	-0.133	0.103	-0.104	-0.101	-0.449	2.5E-3	-1.1E-3	9.3E-4	-6.3E-4	2.6E-4	-4.7E-4
45	0.057	-0.370	0.178	-0.374	0.006	-0.538	8.3E-4	-1.8E-3	0.0E+0	0.0E+0	2.6E-4	-1.8E-4
46	0.043	-0.042	0.017	-0.020	-0.022	-0.467	8.4E-4	-1.8E-3	1.6E-3	-4.0E-4	2.6E-4	-2.4E-4
47	0.043	-0.103	0.221	-0.351	-0.193	-0.294	1.1E-3	-1.8E-3	0.0E+0	0.0E+0	4.9E-5	-8.6E-5
48	0.046	-0.097	0.214	-0.339	-0.180	-0.261	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.4E-5	-8.0E-5
49	0.036	-0.038	0.007	-0.008	-0.182	-0.221	1.1E-3	-1.7E-3	4.2E-4	-1.3E-4	8.2E-6	-2.1E-5
50	0.039	-0.042	0.001	-0.004	-0.141	-0.290	1.1E-3	-1.7E-3	1.1E-3	-1.1E-3	1.0E-4	-1.2E-4
51	0.127	-0.095	0.245	-0.303	-0.195	-0.278	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.5E-4	-2.3E-4
52	0.131	-0.090	0.277	-0.338	-0.184	-0.310	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.6E-4	-2.5E-4
53	0.034	-0.039	0.041	-0.046	-0.147	-0.308	1.2E-3	-1.5E-3	1.0E-3	-1.3E-3	4.5E-4	-4.0E-4
54	0.031	-0.038	0.001	-0.002	-0.189	-0.227	1.2E-3	-1.6E-3	5.2E-5	-5.2E-4	1.9E-4	-1.7E-4
55	0.202	-0.221	0.355	-0.344	-0.004	-0.583	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	1.3E-4	-1.2E-4
56	0.033	-0.043	0.090	-0.102	-0.025	-0.493	1.3E-3	-1.3E-3	7.6E-4	-1.5E-3	6.1E-4	-5.4E-4
57	0.126	-0.328	0.206	-0.115	-0.097	-0.347	9.9E-4	-6.2E-4	0.0E+0	0.0E+0	1.2E-4	-2.9E-4
58	0.070	-0.090	0.017	-0.013	-0.118	-0.297	1.0E-3	-5.3E-4	8.8E-4	-3.3E-4	2.1E-4	-2.2E-4
59	0.135	-0.142	0.361	-0.190	-0.128	-0.352	1.8E-3	-9.8E-4	0.0E+0	0.0E+0	2.3E-6	-3.2E-5
60	0.171	-0.150	0.358	-0.131	-0.118	-0.426	1.8E-3	-6.6E-4	0.0E+0	0.0E+0	8.4E-6	-5.2E-5
61	0.085	-0.064	0.000	0.000	-0.138	-0.352	1.8E-3	-6.1E-4	1.0E-3	-6.1E-4	8.7E-6	-1.3E-5



62	0.072	-0.098	0.005	-0.001	-0.134	-0.295	1.6E-3	-8.6E-4	5.9E-4	-1.0E-3	5.8E-5	-4.5E-5
63	0.147	-0.195	0.397	-0.076	-0.185	-0.315	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	2.3E-5	-6.8E-5
64	0.153	-0.189	0.404	-0.073	-0.140	-0.295	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	4.6E-6	-5.0E-5
65	0.075	-0.058	0.006	-0.005	-0.153	-0.235	2.0E-3	-2.5E-4	7.6E-4	-2.5E-4	8.4E-5	-1.0E-4
66	0.077	-0.064	0.001	-0.001	-0.205	-0.251	2.0E-3	-4.3E-4	7.9E-4	-6.8E-4	4.5E-6	-9.0E-6
67	0.387	-0.049	0.418	0.014	-0.120	-0.303	2.0E-3	1.8E-4	0.0E+0	0.0E+0	1.8E-4	-2.3E-4
68	0.070	-0.059	0.025	-0.021	-0.144	-0.253	1.9E-3	1.2E-4	-1.5E-4	-8.9E-4	2.5E-4	-2.8E-4
69	0.323	-0.219	0.227	-0.233	-0.048	-0.626	0.0E+0	0.0E+0	8.3E-4	-9.6E-4	8.7E-5	-1.7E-5
70	0.098	-0.054	0.136	-0.112	-0.058	-0.499	3.8E-4	-2.1E-3	6.2E-4	-1.2E-3	2.3E-4	-4.1E-4
71	0.401	-0.047	0.446	-0.017	-0.115	-0.308	0.0E+0	0.0E+0	3.6E-5	-1.7E-3	9.7E-5	-1.0E-4
72	0.066	-0.039	0.124	-0.105	-0.119	-0.302	1.1E-3	-9.5E-4	1.7E-4	-1.6E-3	8.7E-5	-2.1E-4
73	0.206	-0.204	0.262	-0.273	-0.024	-0.535	8.4E-4	-8.0E-4	0.0E+0	0.0E+0	1.7E-4	-1.7E-4
74	0.039	-0.030	0.082	-0.088	-0.047	-0.449	8.5E-4	-9.5E-4	1.3E-3	-5.7E-4	4.8E-4	-5.2E-4
75	0.085	-0.111	0.238	-0.287	-0.187	-0.293	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
76	0.090	-0.108	0.206	-0.253	-0.195	-0.273	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
77	0.037	-0.032	0.002	-0.002	-0.189	-0.224	1.0E-3	-1.3E-3	4.7E-4	-6.3E-5	1.6E-4	-1.6E-4
78	0.036	-0.031	0.038	-0.040	-0.152	-0.288	9.9E-4	-1.2E-3	1.1E-3	-9.2E-4	3.7E-4	-3.9E-4
79	0.100	-0.036	0.195	-0.274	-0.184	-0.260	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	8.4E-5	-3.1E-5
80	0.105	-0.033	0.199	-0.286	-0.197	-0.302	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	9.2E-5	-3.9E-5
81	0.042	-0.040	0.000	-0.008	-0.149	-0.295	9.9E-4	-1.4E-3	9.9E-4	-1.2E-3	1.7E-4	-1.1E-4
82	0.037	-0.037	0.006	-0.007	-0.184	-0.221	1.0E-3	-1.4E-3	1.0E-4	-4.4E-4	3.2E-5	-2.5E-6
83	0.334	-0.111	0.191	-0.318	-0.015	-0.563	8.7E-4	-1.4E-3	0.0E+0	0.0E+0	1.3E-4	-3.0E-4
84	0.044	-0.047	0.020	-0.033	-0.039	-0.480	8.9E-4	-1.4E-3	4.0E-4	-1.7E-3	3.3E-4	-2.9E-4
85	0.213	-0.215	0.364	-0.360	0.051	-0.642	1.1E-3	-8.3E-4	0.0E+0	0.0E+0	1.3E-4	-6.5E-5
86	0.037	-0.032	0.133	-0.152	0.031	-0.531	1.1E-3	-1.1E-3	1.2E-3	-1.6E-4	2.7E-4	-3.1E-4
87	0.200	-0.216	0.280	-0.299	-0.009	-0.577	8.3E-4	-7.5E-4	0.0E+0	0.0E+0	1.1E-4	-1.8E-4
88	0.032	-0.036	0.118	-0.131	-0.014	-0.478	7.9E-4	-8.7E-4	-5.3E-5	-9.0E-4	1.5E-4	-1.7E-4
89	0.392	-1.225	0.813	-1.303	-0.271	-0.653	0.0E+0	0.0E+0	1.6E-3	-9.1E-4	3.3E-4	-1.7E-4
90	0.060	-0.374	0.222	-0.387	-0.226	-0.541	0.0E+0	0.0E+0	1.8E-3	-2.7E-4	1.4E-4	4.0E-6
91	0.390	-1.201	0.819	-1.297	-0.332	-0.497	0.0E+0	0.0E+0	1.6E-3	-7.6E-4	3.3E-4	-1.6E-4
92	0.382	-1.153	0.826	-1.290	0.208	-0.748	0.0E+0	0.0E+0	1.5E-3	-6.0E-4	2.8E-4	-2.1E-4
93	0.122	-0.376	0.255	-0.363	0.113	-0.578	0.0E+0	0.0E+0	1.7E-3	-4.8E-4	1.7E-4	-1.4E-4
94	0.077	-0.367	0.232	-0.370	-0.274	-0.404	0.0E+0	0.0E+0	1.8E-3	-4.2E-4	1.5E-4	3.1E-5
95	0.749	-0.773	0.868	-1.248	-0.155	-0.753	0.0E+0	0.0E+0	8.8E-4	-1.2E-3	-7.9E-5	-5.7E-4
96	0.214	-0.284	0.143	-0.163	-0.119	-0.549	0.0E+0	0.0E+0	7.5E-4	-7.5E-4	7.6E-6	-1.4E-4
97	0.401	-1.238	0.758	-1.281	-0.055	-0.825	1.2E-3	-1.8E-3	0.0E+0	0.0E+0	3.2E-4	-1.8E-4
98	0.057	-0.370	0.190	-0.382	-0.036	-0.586	8.5E-4	-1.8E-3	0.0E+0	0.0E+0	2.5E-4	-1.7E-4
99	0.821	-0.818	0.760	-1.193	-0.319	-0.384	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
100	0.825	-0.814	0.745	-1.175	-0.291	-0.448	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
101	0.046	-0.099	0.216	-0.343	-0.193	-0.276	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.7E-5	-8.5E-5
102	0.044	-0.103	0.219	-0.348	-0.203	-0.285	1.1E-3	-1.8E-3	0.0E+0	0.0E+0	4.9E-5	-8.6E-5
103	1.035	-0.604	0.824	-1.020	-0.271	-0.424	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
104	1.038	-0.601	0.810	-1.007	-0.352	-0.437	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
105	0.130	-0.092	0.266	-0.326	-0.206	-0.295	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
106	0.127	-0.095	0.251	-0.310	-0.202	-0.286	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.4E-4	-2.3E-4
107	0.759	-0.880	0.948	-0.796	-0.022	-0.754	1.3E-3	-1.0E-3	0.0E+0	0.0E+0	3.2E-4	-1.7E-4
108	0.203	-0.220	0.357	-0.347	-0.005	-0.588	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	1.4E-4	-1.2E-4
109	0.706	-0.810	0.872	-1.244	-0.052	-0.728	0.0E+0	0.0E+0	9.4E-4	-1.2E-3	-9.5E-5	-5.9E-4
110	0.198	-0.295	0.145	-0.152	-0.116	-0.512	0.0E+0	0.0E+0	8.6E-4	-7.2E-4	-3.6E-5	-2.5E-4
111	0.457	-1.053	1.132	-0.984	-0.225	-0.508	0.0E+0	0.0E+0	1.5E-3	-7.2E-4	1.1E-4	-3.8E-4
112	0.143	-0.321	0.184	-0.150	-0.190	-0.417	0.0E+0	0.0E+0	1.3E-3	-4.6E-4	5.8E-5	-3.9E-4
113	0.745	-0.774	0.890	-1.137	-0.339	-0.606	1.5E-3	-2.3E-3	0.0E+0	0.0E+0	-1.4E-4	-6.4E-4
114	0.212	-0.256	0.178	-0.175	-0.236	-0.443	8.4E-4	-9.3E-4	0.0E+0	0.0E+0	1.4E-4	-2.1E-4
115	0.754	-0.766	0.914	-1.044	-0.392	-0.612	1.3E-3	-1.9E-3	0.0E+0	0.0E+0	-1.5E-4	-6.4E-4
116	0.770	-0.750	0.976	-0.842	-0.359	-0.665	1.6E-3	-1.0E-3	0.0E+0	0.0E+0	-1.1E-4	-6.0E-4
117	0.213	-0.230	0.304	-0.259	-0.259	-0.503	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	2.6E-4	-4.0E-4
118	0.222	-0.257	0.214	-0.208	-0.266	-0.466	1.2E-3	-1.2E-3	0.0E+0	0.0E+0	2.5E-4	-3.1E-4
119	0.771	-0.748	0.985	-0.775	-0.290	-0.727	1.6E-3	-7.1E-4	0.0E+0	0.0E+0	8.4E-5	-4.1E-4
120	0.188	-0.205	0.366	-0.307	-0.193	-0.553	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	2.9E-4	-3.4E-4
121	0.443	-1.063	1.117	-0.918	-0.162	-0.460	2.0E-3	-1.9E-3	0.0E+0	0.0E+0	1.0E-4	-3.9E-4
122	0.126	-0.328	0.210	-0.125	-0.133	-0.358	1.1E-3	-7.0E-4	0.0E+0	0.0E+0	9.3E-5	-2.7E-4
123	0.737	-0.770	1.271	-0.677	-0.146	-0.500	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
124	0.741	-0.766	1.236	-0.636	-0.280	-0.335	1.8E-3	-9.4E-4	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
125	0.131	-0.129	0.361	-0.183	-0.208	-0.297	1.8E-3	-9.3E-4	0.0E+0	0.0E+0	6.5E-6	-4.3E-5
126	0.135	-0.141	0.361	-0.189	-0.137	-0.356	1.8E-3	-9.8E-4	0.0E+0	0.0E+0	3.1E-6	-3.3E-5
127	0.750	-0.756	1.224	-0.575	-0.163	-0.528	1.8E-3	-7.9E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
128	0.756	-0.751	1.193	-0.533	-0.332	-0.357	1.7E-3	-7.4E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
129	0.136	-0.129	0.358	-0.165	-0.270	-0.283	1.8E-3	-8.2E-4	0.0E+0	0.0E+0	2.4E-5	-6.6E-5
130	0.137	-0.135	0.362	-0.176	-0.197	-0.340	1.8E-3	-8.7E-4	0.0E+0	0.0E+0	1.6E-5	-6.0E-5
131	0.758	-0.749	1.176	-0.509	-0.290	-0.395	1.7E-3	-6.9E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
132	0.762	-0.745	1.159	-0.487	-0.174	-0.487	1.6E-3	-6.7E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
133	0.127	-0.120	0.355	-0.153	-0.244	-0.303	1.8E-3	-7.5E-4	0.0E+0	0.0E+0	2.3E-5	-7.1E-5



134	0.129	-0.125	0.357	-0.159	-0.266	-0.282	1.8E-3	-7.8E-4	0.0E+0	0.0E+0	2.7E-5	-7.1E-5
135	0.757	-0.750	1.166	-0.439	-0.227	-0.447	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
136	0.760	-0.747	1.150	-0.418	-0.334	-0.361	1.6E-3	-5.3E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
137	0.139	-0.127	0.351	-0.139	-0.247	-0.302	1.7E-3	-6.8E-4	0.0E+0	0.0E+0	2.7E-5	-7.1E-5
138	0.134	-0.127	0.353	-0.145	-0.272	-0.284	1.7E-3	-7.0E-4	0.0E+0	0.0E+0	2.7E-5	-7.6E-5
139	0.763	-0.744	1.149	-0.411	-0.312	-0.387	1.6E-3	-5.1E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
140	0.768	-0.738	1.152	-0.404	-0.120	-0.577	1.6E-3	-5.0E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
141	0.169	-0.149	0.356	-0.132	-0.133	-0.421	1.8E-3	-6.5E-4	0.0E+0	0.0E+0	1.7E-5	-6.1E-5
142	0.156	-0.145	0.352	-0.135	-0.235	-0.319	1.7E-3	-6.6E-4	0.0E+0	0.0E+0	2.4E-4	-2.6E-4
143	0.675	-0.832	1.330	-0.222	-0.223	-0.399	1.9E-3	-2.3E-4	0.0E+0	0.0E+0	2.2E-4	-2.7E-4
144	0.679	-0.827	1.332	-0.216	-0.196	-0.396	1.8E-3	-2.2E-4	0.0E+0	0.0E+0	2.2E-4	-2.7E-4
145	0.153	-0.190	0.403	-0.073	-0.166	-0.288	2.0E-3	-3.6E-4	0.0E+0	0.0E+0	1.0E-5	-5.6E-5
146	0.148	-0.194	0.398	-0.076	-0.200	-0.298	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	2.7E-5	-7.2E-5
147	1.309	-0.197	1.496	-0.048	-0.238	-0.396	2.2E-3	-1.3E-4	0.0E+0	0.0E+0	2.4E-4	-2.6E-4
148	0.387	-0.048	0.427	0.007	-0.184	-0.312	2.0E-3	1.6E-4	0.0E+0	0.0E+0	1.7E-4	-2.1E-4
149	0.800	-0.715	0.720	-0.819	-0.065	-0.828	0.0E+0	0.0E+0	1.1E-3	-9.2E-4	2.5E-4	-2.5E-4
150	0.322	-0.220	0.224	-0.232	-0.061	-0.628	0.0E+0	0.0E+0	8.4E-4	-9.5E-4	9.4E-5	-3.1E-5
151	1.317	-0.193	1.492	-0.047	-0.228	-0.406	0.0E+0	0.0E+0	3.6E-4	-1.8E-3	2.3E-4	-2.6E-4
152	0.401	-0.046	0.446	-0.017	-0.169	-0.354	0.0E+0	0.0E+0	5.5E-5	-1.7E-3	8.9E-5	-9.7E-5
153	0.842	-0.693	0.713	-0.826	-0.214	-0.658	0.0E+0	0.0E+0	1.1E-3	-9.9E-4	1.6E-5	-4.8E-4
154	0.305	-0.199	0.233	-0.261	-0.177	-0.517	0.0E+0	0.0E+0	8.6E-4	-1.2E-3	1.5E-4	-2.0E-4
155	0.805	-0.717	0.715	-0.824	-0.132	-0.777	0.0E+0	0.0E+0	1.1E-3	-9.6E-4	2.0E-4	-2.9E-4
156	0.320	-0.221	0.215	-0.232	-0.110	-0.593	0.0E+0	0.0E+0	8.1E-4	-9.3E-4	5.4E-5	-7.5E-5
157	0.762	-0.757	0.847	-0.710	-0.296	-0.687	1.1E-3	-9.5E-4	0.0E+0	0.0E+0	4.3E-4	-6.5E-5
158	0.211	-0.200	0.312	-0.260	-0.170	-0.520	1.2E-3	-9.9E-4	0.0E+0	0.0E+0	3.4E-4	-2.5E-4
159	0.767	-0.753	0.812	-0.742	-0.344	-0.689	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	4.9E-4	-8.0E-6
160	0.777	-0.742	0.775	-0.775	-0.354	-0.674	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	4.7E-4	-2.5E-5
161	0.221	-0.180	0.232	-0.222	-0.240	-0.481	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	2.3E-4	-9.6E-5
162	0.212	-0.189	0.268	-0.234	-0.222	-0.494	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	3.3E-4	-1.7E-4
163	0.787	-0.733	0.746	-0.802	-0.329	-0.669	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	3.8E-4	-1.1E-4
164	0.262	-0.207	0.217	-0.222	-0.238	-0.479	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	9.3E-5	-2.2E-5
165	0.838	-0.801	0.841	-0.718	-0.045	-0.713	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	1.9E-4	-3.0E-4
166	0.204	-0.204	0.265	-0.276	-0.036	-0.534	8.7E-4	-8.0E-4	0.0E+0	0.0E+0	1.6E-4	-1.7E-4
167	0.862	-0.777	0.696	-0.858	-0.318	-0.395	9.3E-4	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
168	0.865	-0.774	0.696	-0.857	-0.303	-0.444	9.2E-4	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
169	0.089	-0.108	0.214	-0.261	-0.206	-0.278	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
170	0.086	-0.111	0.229	-0.277	-0.207	-0.281	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
171	1.020	-0.619	0.638	-0.911	-0.271	-0.426	8.3E-4	-1.2E-3	0.0E+0	0.0E+0	2.7E-4	-2.2E-4
172	1.023	-0.616	0.635	-0.912	-0.347	-0.414	8.2E-4	-1.2E-3	0.0E+0	0.0E+0	2.7E-4	-2.2E-4
173	0.105	-0.034	0.198	-0.283	-0.208	-0.290	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	9.0E-5	-3.6E-5
174	0.101	-0.036	0.196	-0.278	-0.195	-0.277	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	8.4E-5	-3.0E-5
175	1.045	-0.594	0.658	-0.885	-0.099	-0.810	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	-5.5E-5	-5.5E-4
176	0.335	-0.110	0.204	-0.323	-0.043	-0.599	8.7E-4	-1.3E-3	0.0E+0	0.0E+0	1.0E-4	-3.0E-4
177	0.765	-0.874	0.891	-0.769	0.065	-0.757	1.2E-3	-9.9E-4	0.0E+0	0.0E+0	3.1E-4	-1.8E-4
178	0.831	-0.808	0.845	-0.740	-0.010	-0.701	1.1E-3	-9.4E-4	0.0E+0	0.0E+0	2.1E-4	-2.8E-4
179	0.818	-0.799	0.841	-0.720	-0.138	-0.610	0.0E+0	0.0E+0	1.1E-3	-1.4E-3	1.9E-4	-3.0E-4
180	0.201	-0.211	0.271	-0.274	-0.105	-0.476	0.0E+0	0.0E+0	1.0E-3	-9.7E-4	3.9E-5	-6.4E-5
181	0.799	-0.792	0.845	-0.716	-0.170	-0.564	0.0E+0	0.0E+0	1.1E-3	-1.3E-3	2.0E-4	-2.9E-4
182	0.200	-0.212	0.289	-0.274	-0.120	-0.462	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	6.5E-5	-8.2E-5
183	0.779	-0.740	0.955	-0.725	-0.196	-0.804	1.5E-3	-4.3E-4	0.0E+0	0.0E+0	2.6E-4	-2.4E-4
184	0.176	-0.186	0.395	-0.327	-0.144	-0.603	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	6.8E-5	-1.2E-4
185	0.746	-0.774	0.906	-0.715	-0.112	-0.717	1.2E-3	-7.5E-4	0.0E+0	0.0E+0	2.5E-4	-2.5E-4
186	0.190	-0.208	0.376	-0.306	-0.142	-0.573	1.1E-3	-8.8E-4	0.0E+0	0.0E+0	2.7E-4	-2.5E-4
187	0.617	-1.701	1.275	-2.066	0.245	-0.792	0.0E+0	0.0E+0	1.4E-3	-6.1E-4	4.3E-4	-4.3E-4
188	0.382	-1.152	0.827	-1.290	0.243	-0.770	0.0E+0	0.0E+0	1.5E-3	-6.0E-4	2.8E-4	-2.2E-4
189	1.233	-1.064	1.255	-2.086	-0.175	-0.818	0.0E+0	0.0E+0	7.5E-4	-1.3E-3	-5.0E-5	-9.2E-4
190	0.756	-0.768	0.868	-1.248	-0.158	-0.772	0.0E+0	0.0E+0	8.6E-4	-1.2E-3	-8.0E-5	-5.8E-4
191	0.731	-1.791	1.193	-1.996	-0.077	-0.883	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	4.5E-4	-4.1E-4
192	0.402	-1.237	0.751	-1.278	-0.036	-0.836	1.2E-3	-1.8E-3	0.0E+0	0.0E+0	3.2E-4	-1.8E-4
193	1.374	-1.148	1.196	-1.872	-0.358	-0.422	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.1E-4	-4.5E-4
194	1.377	-1.145	1.154	-1.827	-0.334	-0.504	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.1E-4	-4.5E-4
195	0.825	-0.814	0.741	-1.170	-0.272	-0.484	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
196	0.821	-0.818	0.763	-1.196	-0.300	-0.398	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
197	1.762	-0.759	1.284	-1.589	-0.308	-0.452	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	4.4E-4	-4.3E-4
198	1.765	-0.756	1.247	-1.554	-0.399	-0.512	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	4.4E-4	-4.3E-4
199	1.039	-0.600	0.805	-1.002	-0.350	-0.480	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
200	1.035	-0.604	0.827	-1.023	-0.245	-0.432	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
201	1.112	-1.410	1.465	-1.236	-0.054	-0.804	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	5.7E-4	-2.9E-4
202	0.758	-0.881	0.951	-0.797	-0.023	-0.759	1.3E-3	-1.0E-3	0.0E+0	0.0E+0	3.2E-4	-1.7E-4
203	1.143	-1.133	1.254	-2.087	-0.043	-0.744	0.0E+0	0.0E+0	7.7E-4	-1.2E-3	-5.3E-5	-9.2E-4
204	0.697	-0.818	0.873	-1.243	-0.026	-0.733	0.0E+0	0.0E+0	9.1E-4	-1.1E-3	-1.0E-4	-6.0E-4
205	0.700	-1.565	1.775	-1.566	-0.224	-0.530	0.0E+0	0.0E+0	1.3E-3	-5.7E-4	2.9E-4	-5.8E-4



206	0.461	-1.050	1.132	-0.984	-0.185	-0.549	0.0E+0	0.0E+0	1.4E-3	-7.1E-4	1.1E-4	-3.8E-4
207	1.207	-1.082	1.326	-1.594	-0.467	-0.679	7.9E-4	-1.7E-3	0.0E+0	0.0E+0	-1.4E-4	-1.0E-3
208	0.764	-0.756	0.943	-0.933	-0.413	-0.584	1.4E-3	-1.6E-3	0.0E+0	0.0E+0	-1.8E-4	-6.8E-4
209	1.142	-1.147	1.765	-1.074	-0.339	-0.794	2.3E-3	-4.0E-4	0.0E+0	0.0E+0	3.7E-5	-8.3E-4
210	0.769	-0.751	0.971	-0.858	-0.365	-0.643	1.6E-3	-1.1E-3	0.0E+0	0.0E+0	-1.4E-4	-6.4E-4
211	0.675	-1.578	1.724	-1.467	-0.177	-0.486	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	2.9E-4	-5.7E-4
212	0.444	-1.063	1.116	-0.914	-0.155	-0.461	2.0E-3	-1.9E-3	0.0E+0	0.0E+0	1.0E-4	-3.9E-4
213	1.072	-1.181	2.000	-1.070	-0.174	-0.523	1.8E-3	-9.7E-4	0.0E+0	0.0E+0	4.1E-4	-4.5E-4
214	1.074	-1.179	1.922	-0.984	-0.307	-0.351	1.8E-3	-8.9E-4	0.0E+0	0.0E+0	4.1E-4	-4.5E-4
215	0.741	-0.765	1.234	-0.634	-0.272	-0.343	1.8E-3	-9.4E-4	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
216	0.736	-0.770	1.277	-0.684	-0.125	-0.531	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
217	1.118	-1.135	1.914	-0.892	-0.166	-0.571	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
218	1.122	-1.131	1.797	-0.752	-0.218	-0.506	1.6E-3	-6.7E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
219	0.761	-0.746	1.164	-0.494	-0.212	-0.457	1.6E-3	-6.8E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
220	0.750	-0.757	1.229	-0.581	-0.143	-0.552	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
221	1.140	-1.112	1.796	-0.650	-0.261	-0.473	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
222	1.144	-1.108	1.749	-0.582	-0.128	-0.616	1.5E-3	-4.5E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
223	0.769	-0.738	1.152	-0.403	-0.104	-0.597	1.6E-3	-4.9E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
224	0.757	-0.750	1.163	-0.435	-0.251	-0.427	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
225	1.015	-1.238	2.027	-0.289	-0.253	-0.416	1.8E-3	-1.4E-4	0.0E+0	0.0E+0	4.1E-4	-4.6E-4
226	1.018	-1.235	2.021	-0.274	-0.217	-0.417	1.7E-3	-1.2E-4	0.0E+0	0.0E+0	4.1E-4	-4.6E-4
227	0.680	-0.827	1.332	-0.215	-0.175	-0.416	1.8E-3	-2.1E-4	0.0E+0	0.0E+0	2.2E-4	-2.7E-4
228	0.675	-0.832	1.330	-0.222	-0.210	-0.416	1.9E-3	-2.3E-4	0.0E+0	0.0E+0	2.2E-4	-2.7E-4
229	1.965	-0.288	2.266	-0.014	-0.255	-0.405	1.9E-3	2.0E-4	0.0E+0	0.0E+0	4.2E-4	-4.5E-4
230	1.309	-0.198	1.496	-0.048	-0.217	-0.398	2.2E-3	-1.1E-4	0.0E+0	0.0E+0	2.4E-4	-2.6E-4
231	1.110	-1.166	1.084	-1.175	-0.065	-0.884	0.0E+0	0.0E+0	1.2E-3	-7.2E-4	3.6E-4	-5.1E-4
232	0.800	-0.715	0.721	-0.819	-0.055	-0.842	0.0E+0	0.0E+0	1.2E-3	-9.2E-4	2.5E-4	-2.5E-4
233	1.974	-0.291	2.258	-0.001	-0.233	-0.388	0.0E+0	0.0E+0	2.1E-4	-1.6E-3	4.2E-4	-4.4E-4
234	1.318	-0.193	1.492	-0.047	-0.209	-0.390	0.0E+0	0.0E+0	3.5E-4	-1.8E-3	2.3E-4	-2.6E-4
235	1.133	-1.156	1.239	-1.105	-0.304	-0.835	9.6E-4	-1.0E-3	0.0E+0	0.0E+0	6.9E-4	-1.8E-4
236	0.761	-0.758	0.853	-0.705	-0.274	-0.676	1.1E-3	-9.2E-4	0.0E+0	0.0E+0	4.1E-4	-8.0E-5
237	1.329	-1.192	1.243	-1.102	-0.063	-0.776	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	3.5E-4	-5.2E-4
238	0.838	-0.801	0.842	-0.717	-0.036	-0.731	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	1.9E-4	-3.1E-4
239	1.409	-1.112	1.038	-1.292	-0.355	-0.436	8.6E-4	-1.1E-3	0.0E+0	0.0E+0	4.3E-4	-4.4E-4
240	1.412	-1.109	1.033	-1.286	-0.346	-0.500	8.5E-4	-1.1E-3	0.0E+0	0.0E+0	4.3E-4	-4.4E-4
241	0.866	-0.773	0.695	-0.857	-0.285	-0.478	9.2E-4	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
242	0.862	-0.778	0.696	-0.859	-0.297	-0.411	9.2E-4	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
243	1.658	-0.864	0.939	-1.365	-0.309	-0.457	7.5E-4	-1.1E-3	0.0E+0	0.0E+0	4.6E-4	-4.1E-4
244	1.660	-0.861	0.931	-1.362	-0.394	-0.475	7.4E-4	-1.1E-3	0.0E+0	0.0E+0	4.6E-4	-4.1E-4
245	1.024	-0.615	0.634	-0.913	-0.336	-0.450	8.1E-4	-1.2E-3	0.0E+0	0.0E+0	2.7E-4	-2.2E-4
246	1.019	-0.620	0.638	-0.911	-0.246	-0.438	8.2E-4	-1.2E-3	0.0E+0	0.0E+0	2.7E-4	-2.2E-4
247	1.434	-1.087	1.019	-1.259	-0.148	-0.864	9.1E-4	-9.4E-4	0.0E+0	0.0E+0	1.4E-4	-7.3E-4
248	1.044	-0.595	0.654	-0.890	-0.096	-0.818	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	-5.7E-5	-5.5E-4
249	1.118	-1.403	1.355	-1.186	0.061	-0.809	1.2E-3	-1.2E-3	0.0E+0	0.0E+0	5.5E-4	-3.2E-4
250	0.766	-0.873	0.887	-0.767	0.077	-0.765	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	3.2E-4	-1.8E-4
251	1.322	-1.199	1.275	-1.167	-0.016	-0.757	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	3.8E-4	-4.9E-4
252	0.830	-0.809	0.849	-0.746	0.002	-0.712	1.1E-3	-9.5E-4	0.0E+0	0.0E+0	2.1E-4	-2.8E-4
253	1.166	-1.147	1.252	-1.106	-0.203	-0.575	0.0E+0	0.0E+0	8.5E-4	-1.0E-3	3.6E-4	-5.1E-4
254	0.752	-0.779	0.860	-0.701	-0.242	-0.527	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	2.3E-4	-2.7E-4
255	1.087	-1.210	1.524	-0.834	-0.241	-0.605	0.0E+0	0.0E+0	1.3E-3	-7.3E-4	3.8E-4	-4.9E-4
256	0.750	-0.774	0.870	-0.691	-0.213	-0.604	0.0E+0	0.0E+0	1.0E-3	-1.1E-3	3.0E-4	-2.0E-4
257	1.126	-1.187	1.415	-1.198	-0.173	-0.679	0.0E+0	0.0E+0	1.0E-3	-7.4E-4	6.1E-4	-2.5E-4
258	0.775	-0.756	0.943	-0.754	-0.231	-0.608	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	3.6E-4	-1.4E-4
259	1.174	-1.123	1.775	-0.838	-0.275	-0.697	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.9E-4	-6.7E-4
260	0.779	-0.744	0.958	-0.738	-0.217	-0.698	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	2.8E-4	-2.2E-4
261	1.161	-1.128	1.760	-0.782	-0.236	-0.887	2.5E-3	-1.4E-4	0.0E+0	0.0E+0	2.6E-4	-6.0E-4
262	0.778	-0.741	0.942	-0.713	-0.189	-0.842	1.7E-3	-2.5E-4	0.0E+0	0.0E+0	2.6E-4	-2.4E-4
263	1.075	-1.214	1.556	-0.880	-0.252	-0.770	2.0E-3	-3.8E-4	0.0E+0	0.0E+0	3.7E-4	-5.0E-4
264	0.746	-0.773	0.892	-0.700	-0.174	-0.681	1.2E-3	-7.0E-4	0.0E+0	0.0E+0	2.5E-4	-2.5E-4
265	0.068	-0.371	0.222	-0.374	-0.244	-0.457	0.0E+0	0.0E+0	1.8E-3	-3.0E-4	1.2E-4	5.9E-5
266	0.088	-0.363	0.239	-0.367	-0.262	-0.373	0.0E+0	0.0E+0	1.8E-3	-4.7E-4	1.4E-4	8.4E-7
267	0.099	-0.363	0.244	-0.365	-0.134	-0.447	0.0E+0	0.0E+0	1.8E-3	-4.9E-4	1.4E-4	-5.0E-5
268	0.110	-0.368	0.248	-0.362	-0.007	-0.518	0.0E+0	0.0E+0	1.7E-3	-4.9E-4	1.6E-4	-1.1E-4
269	0.018	-0.021	0.088	-0.087	-0.196	-0.517	5.2E-4	-1.4E-3	1.8E-3	-1.8E-4	2.0E-4	-1.8E-4
270	0.008	-0.010	0.089	-0.090	-0.243	-0.406	5.6E-4	-1.2E-3	1.8E-3	-2.9E-4	1.2E-4	-1.0E-4
271	0.006	-0.007	0.090	-0.092	-0.257	-0.340	6.3E-4	-1.2E-3	1.8E-3	-3.8E-4	4.0E-5	-3.5E-5
272	0.003	-0.005	0.091	-0.092	-0.176	-0.376	6.8E-4	-1.2E-3	1.8E-3	-4.5E-4	4.3E-5	-6.4E-5
273	0.007	-0.013	0.096	-0.094	-0.068	-0.436	6.9E-4	-1.3E-3	1.8E-3	-5.0E-4	1.2E-4	-1.9E-4
274	0.021	-0.036	0.102	-0.099	0.042	-0.491	5.2E-4	-1.2E-3	1.7E-3	-5.1E-4	2.2E-4	-3.6E-4
275	0.033	-0.203	0.150	-0.240	-0.155	-0.676	7.0E-4	-1.5E-3	1.7E-3	-1.7E-4	2.3E-4	-1.5E-4
276	0.147	-0.218	0.111	-0.107	-0.121	-0.503	2.3E-4	-2.9E-4	7.7E-4	-6.9E-4	2.2E-5	-7.9E-5
277	0.054	-0.374	0.207	-0.392	-0.114	-0.633	8.5E-4	-1.7E-3	0.0E+0	0.0E+0	2.0E-4	-9.6E-5



278	0.205	-0.217	0.361	-0.352	-0.006	-0.592	1.2E-3	-9.4E-4	0.0E+0	0.0E+0	1.2E-4	-1.0E-4
279	0.039	-0.040	0.048	-0.049	-0.082	-0.562	7.4E-4	-1.7E-3	1.7E-3	-1.4E-4	3.7E-4	-3.4E-4
280	0.037	-0.039	0.005	-0.007	-0.180	-0.245	1.1E-3	-1.7E-3	4.6E-4	-2.5E-4	4.7E-5	-6.4E-5
281	0.032	-0.038	0.017	-0.019	-0.187	-0.257	1.2E-3	-1.5E-3	3.5E-4	-5.7E-4	3.1E-4	-2.8E-4
282	0.032	-0.039	0.127	-0.144	-0.005	-0.542	1.2E-3	-1.1E-3	8.0E-4	-9.6E-4	5.1E-4	-4.4E-4
283	0.108	-0.117	0.255	-0.268	0.006	-0.574	1.1E-3	-9.8E-4	8.7E-4	-8.6E-4	1.4E-4	-9.5E-5
284	0.168	-0.304	0.149	-0.139	-0.149	-0.435	0.0E+0	0.0E+0	1.1E-3	-5.7E-4	1.1E-4	-4.6E-4
285	0.132	-0.329	0.192	-0.150	-0.200	-0.433	0.0E+0	0.0E+0	1.3E-3	-4.3E-4	6.8E-6	-3.0E-4
286	0.070	-0.119	0.106	-0.095	-0.127	-0.448	2.0E-4	-4.4E-4	9.2E-4	-6.1E-4	4.2E-4	-2.3E-4
287	0.051	-0.084	0.103	-0.094	-0.146	-0.413	2.7E-4	-3.2E-4	1.2E-3	-5.9E-4	2.5E-4	-1.3E-4
288	0.047	-0.071	0.093	-0.089	-0.169	-0.397	4.0E-4	-2.4E-4	1.3E-3	-4.7E-4	1.5E-4	-1.2E-4
289	0.086	-0.205	0.131	-0.104	-0.198	-0.425	5.8E-4	-4.0E-4	1.2E-3	-3.5E-4	9.7E-5	-2.4E-4
290	0.212	-0.272	0.161	-0.167	-0.193	-0.492	7.1E-4	-9.3E-4	0.0E+0	0.0E+0	1.2E-4	-2.3E-4
291	0.214	-0.244	0.194	-0.190	-0.247	-0.435	9.5E-4	-9.9E-4	0.0E+0	0.0E+0	2.6E-4	-2.7E-4
292	0.225	-0.255	0.235	-0.222	-0.308	-0.456	1.3E-3	-1.3E-3	0.0E+0	0.0E+0	1.7E-4	-2.8E-4
293	0.226	-0.250	0.255	-0.232	-0.314	-0.462	1.3E-3	-1.3E-3	0.0E+0	0.0E+0	1.5E-4	-2.9E-4
294	0.222	-0.242	0.277	-0.242	-0.293	-0.485	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	1.8E-4	-3.4E-4
295	0.195	-0.210	0.336	-0.283	-0.217	-0.508	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	3.8E-4	-4.7E-4
296	0.185	-0.197	0.385	-0.323	-0.172	-0.589	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	1.8E-4	-2.2E-4
297	0.096	-0.160	0.069	-0.064	-0.166	-0.438	3.9E-4	-3.7E-4	3.2E-4	-5.4E-4	4.2E-4	-4.2E-4
298	0.105	-0.168	0.032	-0.028	-0.204	-0.415	7.0E-4	-6.7E-4	2.5E-4	-4.4E-4	3.3E-4	-3.2E-4
299	0.113	-0.173	0.008	-0.005	-0.236	-0.406	9.4E-4	-8.9E-4	1.6E-4	-4.5E-4	1.9E-4	-1.7E-4
300	0.120	-0.172	0.006	-0.005	-0.274	-0.396	1.1E-3	-1.0E-3	2.7E-4	-5.3E-4	6.5E-5	-5.6E-5
301	0.129	-0.170	0.007	-0.006	-0.280	-0.408	1.3E-3	-1.1E-3	4.0E-4	-5.1E-4	4.8E-5	-5.3E-5
302	0.144	-0.172	0.006	-0.004	-0.259	-0.432	1.4E-3	-1.2E-3	3.8E-4	-3.5E-4	1.7E-4	-1.9E-4
303	0.158	-0.178	0.031	-0.027	-0.225	-0.459	1.4E-3	-1.2E-3	3.8E-4	-3.0E-4	3.4E-4	-3.8E-4
304	0.169	-0.183	0.076	-0.067	-0.190	-0.489	1.4E-3	-1.2E-3	3.9E-4	-3.6E-4	5.2E-4	-5.8E-4
305	0.174	-0.183	0.133	-0.120	-0.160	-0.520	1.3E-3	-1.0E-3	3.5E-4	-3.8E-4	5.8E-4	-6.3E-4
306	0.176	-0.183	0.287	-0.240	-0.143	-0.576	1.1E-3	-9.4E-4	1.5E-4	-1.1E-4	1.1E-4	-1.4E-4
307	0.122	-0.330	0.210	-0.142	-0.182	-0.392	1.0E-3	-7.3E-4	0.0E+0	0.0E+0	-3.8E-5	-1.7E-4
308	0.133	-0.135	0.361	-0.186	-0.180	-0.327	1.8E-3	-9.6E-4	0.0E+0	0.0E+0	8.5E-6	-4.1E-5
309	0.128	-0.121	0.362	-0.180	-0.199	-0.305	1.8E-3	-9.1E-4	0.0E+0	0.0E+0	-7.1E-8	-4.2E-5
310	0.136	-0.133	0.360	-0.171	-0.237	-0.316	1.8E-3	-8.4E-4	0.0E+0	0.0E+0	2.8E-5	-7.1E-5
311	0.161	-0.147	0.354	-0.133	-0.188	-0.374	1.7E-3	-6.5E-4	0.0E+0	0.0E+0	3.5E-5	-7.7E-5
312	0.149	-0.191	0.400	-0.074	-0.234	-0.250	2.0E-3	-3.6E-4	0.0E+0	0.0E+0	2.3E-5	-6.8E-5
313	0.390	-0.045	0.443	-0.005	-0.267	-0.387	1.9E-3	2.1E-4	0.0E+0	0.0E+0	1.1E-4	-1.4E-4
314	0.061	-0.082	0.060	-0.058	-0.177	-0.361	7.1E-4	-3.4E-4	1.2E-3	-3.1E-4	3.8E-4	-3.9E-4
315	0.065	-0.085	0.036	-0.032	-0.145	-0.330	8.5E-4	-4.3E-4	1.1E-3	-1.5E-4	3.1E-4	-3.3E-4
316	0.076	-0.101	0.001	0.001	-0.154	-0.306	1.8E-3	-9.2E-4	1.8E-4	-3.9E-4	1.9E-5	-5.8E-6
317	0.079	-0.101	0.001	0.000	-0.178	-0.296	1.8E-3	-9.2E-4	6.8E-5	-1.8E-4	8.3E-6	1.2E-6
318	0.082	-0.101	0.000	0.000	-0.191	-0.295	1.8E-3	-9.0E-4	-4.9E-7	-1.3E-4	8.7E-6	-4.6E-6
319	0.082	-0.097	0.001	-0.001	-0.205	-0.295	1.8E-3	-8.7E-4	5.9E-5	-2.0E-4	6.0E-6	-5.7E-6
320	0.082	-0.092	0.001	-0.001	-0.228	-0.282	1.8E-3	-8.4E-4	1.9E-4	-2.6E-4	2.7E-6	-4.2E-6
321	0.086	-0.090	0.001	-0.001	-0.251	-0.265	1.8E-3	-8.1E-4	1.9E-4	-1.9E-4	6.9E-7	-2.7E-6
322	0.091	-0.091	0.001	-0.001	-0.248	-0.265	1.8E-3	-7.8E-4	8.7E-5	-8.4E-5	1.2E-7	-1.9E-6
323	0.094	-0.090	0.002	-0.002	-0.244	-0.269	1.8E-3	-7.5E-4	2.3E-5	-3.1E-5	-6.7E-8	-1.3E-6
324	0.092	-0.086	0.002	-0.002	-0.241	-0.274	1.8E-3	-7.2E-4	6.9E-5	-8.6E-5	6.7E-7	-1.6E-6
325	0.087	-0.078	0.001	-0.002	-0.228	-0.289	1.8E-3	-6.8E-4	2.1E-4	-2.2E-4	2.5E-6	-2.8E-6
326	0.083	-0.070	0.001	-0.001	-0.200	-0.317	1.8E-3	-6.7E-4	3.5E-4	-3.6E-4	5.1E-6	-4.3E-6
327	0.082	-0.064	0.001	-0.001	-0.158	-0.356	1.8E-3	-6.6E-4	5.4E-4	-4.2E-4	7.4E-6	-6.4E-6
328	0.074	-0.060	0.001	-0.001	-0.207	-0.241	2.0E-3	-3.9E-4	5.9E-4	-4.4E-4	6.8E-6	-8.0E-6
329	0.074	-0.058	0.001	-0.001	-0.187	-0.240	2.0E-3	-3.5E-4	7.2E-4	-3.2E-4	3.1E-5	-3.7E-5
330	0.066	-0.055	0.049	-0.043	-0.204	-0.305	1.9E-3	2.4E-4	-1.2E-4	-1.6E-3	3.4E-4	-3.8E-4
331	0.063	-0.052	0.080	-0.069	-0.255	-0.373	1.8E-3	3.6E-4	-1.6E-5	-1.5E-3	3.8E-4	-4.4E-4
332	0.225	-0.041	0.277	-0.048	-0.280	-0.497	1.7E-3	3.7E-4	1.6E-4	-1.7E-3	1.6E-4	-1.9E-4
333	0.399	-0.045	0.448	-0.014	-0.235	-0.431	0.0E+0	0.0E+0	7.2E-5	-1.8E-3	9.2E-5	-1.0E-4
334	0.121	-0.067	0.133	-0.114	-0.069	-0.556	-1.7E-4	-4.8E-4	7.1E-4	-1.1E-3	1.7E-4	-3.3E-4
335	0.058	-0.039	0.115	-0.099	-0.197	-0.360	1.7E-3	4.9E-4	2.6E-5	-1.7E-3	4.4E-5	-1.2E-4
336	0.230	-0.145	0.166	-0.172	-0.095	-0.582	4.4E-4	-6.1E-4	7.6E-4	-9.6E-4	9.0E-5	-5.3E-5
337	0.332	-0.122	0.249	-0.321	-0.172	-0.622	0.0E+0	0.0E+0	6.4E-4	-1.5E-3	-1.1E-4	-2.0E-4
338	0.319	-0.138	0.249	-0.312	-0.227	-0.548	0.0E+0	0.0E+0	7.2E-4	-1.5E-3	-6.1E-5	-2.3E-4
339	0.306	-0.152	0.248	-0.303	-0.266	-0.491	0.0E+0	0.0E+0	7.9E-4	-1.5E-3	-1.1E-5	-2.4E-4
340	0.297	-0.165	0.246	-0.292	-0.260	-0.481	0.0E+0	0.0E+0	8.4E-4	-1.4E-3	3.9E-5	-2.4E-4
341	0.295	-0.180	0.241	-0.279	-0.222	-0.501	0.0E+0	0.0E+0	8.6E-4	-1.3E-3	9.1E-5	-2.2E-4
342	0.317	-0.214	0.222	-0.235	-0.139	-0.530	0.0E+0	0.0E+0	8.3E-4	-1.1E-3	1.4E-4	-1.5E-4
343	0.022	-0.015	0.102	-0.118	-0.162	-0.566	5.9E-4	-8.1E-4	5.0E-4	-1.6E-3	2.1E-4	-2.2E-4
344	0.012	-0.006	0.105	-0.120	-0.214	-0.496	6.0E-4	-7.8E-4	6.3E-4	-1.5E-3	7.4E-5	-1.0E-4
345	0.009	-0.005	0.110	-0.120	-0.245	-0.447	5.7E-4	-7.5E-4	7.3E-4	-1.5E-3	2.6E-5	-3.8E-5
346	0.009	-0.004	0.115	-0.121	-0.238	-0.437	5.3E-4	-7.1E-4	8.0E-4	-1.5E-3	1.1E-4	-7.8E-5
347	0.026	-0.014	0.121	-0.124	-0.198	-0.458	4.4E-4	-6.2E-4	8.4E-4	-1.4E-3	2.6E-4	-1.6E-4
348	0.060	-0.033	0.127	-0.127	-0.160	-0.482	3.5E-4	-4.5E-4	8.3E-4	-1.3E-3	4.2E-4	-2.4E-4
349	0.105	-0.058	0.130	-0.127	-0.124	-0.515	3.8E-4	-3.4E-4	7.7E-4	-1.1E-3	4.6E-4	-2.4E-4



350	0.184	-0.056	0.169	-0.226	-0.113	-0.682	8.1E-4	-1.1E-3	4.6E-4	-1.6E-3	1.6E-4	-2.8E-4
351	0.212	-0.213	0.332	-0.274	-0.167	-0.542	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	2.9E-4	-2.2E-4
352	0.208	-0.184	0.290	-0.246	-0.193	-0.485	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	3.7E-4	-2.4E-4
353	0.213	-0.182	0.248	-0.227	-0.242	-0.494	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	2.8E-4	-1.2E-4
354	0.236	-0.186	0.221	-0.220	-0.232	-0.457	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	1.5E-4	-5.0E-5
355	0.279	-0.214	0.218	-0.228	-0.224	-0.514	9.7E-4	-1.1E-3	0.0E+0	0.0E+0	7.2E-5	-2.8E-5
356	0.294	-0.219	0.220	-0.233	-0.200	-0.539	8.6E-4	-9.8E-4	0.0E+0	0.0E+0	6.5E-5	-3.5E-5
357	0.307	-0.221	0.220	-0.235	-0.164	-0.569	7.2E-4	-8.6E-4	0.0E+0	0.0E+0	1.0E-4	-8.6E-5
358	0.165	-0.151	0.095	-0.088	-0.154	-0.482	1.2E-3	-8.8E-4	3.4E-4	-2.3E-4	5.1E-4	-4.7E-4
359	0.170	-0.154	0.051	-0.048	-0.172	-0.458	1.3E-3	-1.0E-3	2.4E-4	-2.4E-4	4.3E-4	-4.0E-4
360	0.172	-0.152	0.020	-0.018	-0.192	-0.443	1.3E-3	-1.1E-3	1.7E-4	-2.7E-4	2.7E-4	-2.5E-4
361	0.170	-0.144	0.003	-0.002	-0.209	-0.435	1.3E-3	-1.1E-3	1.1E-4	-1.7E-4	1.3E-4	-1.2E-4
362	0.167	-0.133	0.005	-0.006	-0.217	-0.428	1.2E-3	-1.1E-3	1.2E-4	-1.1E-4	2.2E-5	-1.7E-5
363	0.160	-0.121	0.002	-0.002	-0.215	-0.431	1.1E-3	-1.1E-3	1.9E-4	-2.2E-4	9.9E-5	-1.1E-4
364	0.152	-0.106	0.015	-0.014	-0.204	-0.447	1.0E-3	-1.0E-3	3.7E-4	-4.4E-4	2.3E-4	-2.5E-4
365	0.145	-0.092	0.046	-0.042	-0.184	-0.471	8.5E-4	-9.1E-4	5.6E-4	-5.6E-4	3.9E-4	-4.2E-4
366	0.140	-0.080	0.091	-0.084	-0.154	-0.493	6.2E-4	-7.1E-4	6.7E-4	-5.0E-4	4.7E-4	-5.1E-4
367	0.179	-0.175	0.243	-0.201	-0.144	-0.537	1.1E-3	-8.5E-4	3.7E-4	-2.9E-4	1.9E-4	-1.4E-4
368	0.338	-0.106	0.227	-0.329	-0.097	-0.640	8.5E-4	-1.2E-3	0.0E+0	0.0E+0	5.4E-5	-2.8E-4
369	0.036	-0.030	0.112	-0.120	-0.046	-0.479	7.6E-4	-8.5E-4	9.5E-4	-7.1E-4	3.9E-4	-4.4E-4
370	0.035	-0.030	0.016	-0.016	-0.187	-0.248	1.0E-3	-1.3E-3	4.6E-4	-3.1E-4	2.6E-4	-2.7E-4
371	0.039	-0.038	0.003	-0.006	-0.184	-0.247	1.0E-3	-1.4E-3	2.2E-4	-5.0E-4	9.2E-5	-4.8E-5
372	0.044	-0.044	0.043	-0.058	-0.056	-0.554	8.6E-4	-1.4E-3	2.6E-4	-1.5E-3	3.9E-4	-3.8E-4
373	0.044	-0.041	0.071	-0.087	-0.097	-0.592	7.9E-4	-1.3E-3	4.1E-4	-1.5E-3	4.4E-4	-4.2E-4
374	0.111	-0.109	0.199	-0.215	-0.039	-0.512	7.5E-4	-7.4E-4	8.9E-4	-8.2E-4	1.2E-4	-1.6E-4
375	0.034	-0.034	0.113	-0.129	-0.017	-0.392	9.4E-4	-9.7E-4	1.4E-3	-1.4E-3	1.3E-4	-1.7E-4
376	0.200	-0.211	0.269	-0.264	-0.111	-0.449	0.0E+0	0.0E+0	1.0E-3	-9.6E-4	4.8E-5	-6.5E-5
377	0.200	-0.214	0.302	-0.277	-0.191	-0.421	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	5.7E-5	-7.6E-5
378	0.202	-0.217	0.313	-0.280	-0.260	-0.374	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	5.9E-5	-7.3E-5
379	0.207	-0.222	0.322	-0.282	-0.282	-0.373	0.0E+0	0.0E+0	1.0E-3	-9.6E-4	7.2E-5	-7.3E-5
380	0.213	-0.228	0.329	-0.283	-0.253	-0.422	0.0E+0	0.0E+0	9.4E-4	-8.4E-4	7.8E-5	-5.9E-5
381	0.217	-0.229	0.337	-0.284	-0.204	-0.492	0.0E+0	0.0E+0	7.8E-4	-6.6E-4	8.4E-5	-4.2E-5
382	0.019	-0.020	0.137	-0.148	-0.082	-0.440	3.6E-4	-3.5E-4	8.9E-4	-8.9E-4	1.5E-4	-1.6E-4
383	0.007	-0.008	0.141	-0.153	-0.118	-0.410	4.2E-4	-2.9E-4	9.9E-4	-9.5E-4	1.1E-4	-1.1E-4
384	0.002	-0.004	0.142	-0.153	-0.166	-0.380	5.4E-4	-3.3E-4	1.0E-3	-9.9E-4	4.4E-5	-4.4E-5
385	0.001	-0.002	0.141	-0.149	-0.224	-0.344	6.3E-4	-4.1E-4	1.1E-3	-9.8E-4	9.1E-5	-8.5E-5
386	0.017	-0.017	0.142	-0.145	-0.256	-0.333	6.5E-4	-4.5E-4	1.0E-3	-9.2E-4	2.6E-4	-2.4E-4
387	0.053	-0.050	0.142	-0.139	-0.234	-0.374	6.5E-4	-4.7E-4	8.4E-4	-7.7E-4	4.8E-4	-4.4E-4
388	0.107	-0.101	0.139	-0.132	-0.188	-0.435	5.9E-4	-4.7E-4	5.7E-4	-5.0E-4	6.4E-4	-5.9E-4
389	0.208	-0.214	0.362	-0.346	-0.078	-0.545	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	6.8E-5	-4.6E-5
390	0.206	-0.210	0.363	-0.340	-0.156	-0.488	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.1E-4	-7.9E-5
391	0.202	-0.203	0.366	-0.336	-0.230	-0.435	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.2E-4	-9.2E-5
392	0.198	-0.198	0.369	-0.334	-0.290	-0.396	0.0E+0	0.0E+0	1.0E-3	-1.0E-3	1.0E-4	-8.2E-5
393	0.198	-0.196	0.373	-0.333	-0.292	-0.415	0.0E+0	0.0E+0	9.5E-4	-9.6E-4	8.5E-5	-7.8E-5
394	0.202	-0.200	0.378	-0.333	-0.254	-0.474	0.0E+0	0.0E+0	8.0E-4	-8.4E-4	6.0E-5	-7.2E-5
395	0.199	-0.201	0.385	-0.331	-0.202	-0.546	0.0E+0	0.0E+0	5.7E-4	-6.3E-4	4.5E-5	-1.1E-4
396	0.020	-0.019	0.158	-0.177	-0.072	-0.486	7.3E-4	-5.1E-4	9.3E-4	-8.6E-4	1.7E-4	-1.6E-4
397	0.007	-0.006	0.166	-0.182	-0.142	-0.439	7.3E-4	-5.1E-4	9.8E-4	-9.5E-4	1.1E-4	-1.1E-4
398	0.004	-0.002	0.173	-0.184	-0.208	-0.393	6.9E-4	-5.0E-4	9.9E-4	-9.8E-4	3.6E-5	-3.6E-5
399	0.001	0.000	0.178	-0.183	-0.262	-0.358	6.7E-4	-4.8E-4	9.6E-4	-9.5E-4	9.6E-5	-9.9E-5
400	0.019	-0.018	0.181	-0.180	-0.265	-0.374	6.5E-4	-4.7E-4	8.5E-4	-8.5E-4	2.8E-4	-2.9E-4
401	0.059	-0.059	0.182	-0.174	-0.231	-0.424	6.2E-4	-4.7E-4	6.5E-4	-6.4E-4	5.4E-4	-5.5E-4
402	0.121	-0.123	0.179	-0.165	-0.186	-0.479	5.4E-4	-5.0E-4	3.4E-4	-3.1E-4	7.0E-4	-7.1E-4
403	0.156	-0.171	0.389	-0.318	-0.149	-0.550	1.2E-3	-9.3E-4	0.0E+0	0.0E+0	2.1E-4	-2.2E-4
404	0.204	-0.216	0.359	-0.292	-0.147	-0.573	1.0E-3	-8.4E-4	0.0E+0	0.0E+0	2.5E-4	-2.1E-4
405	0.183	-0.180	0.157	-0.141	-0.145	-0.520	1.2E-3	-8.9E-4	6.1E-4	-4.2E-4	3.5E-4	-3.2E-4
406	0.177	-0.172	0.132	-0.118	-0.137	-0.515	1.3E-3	-9.4E-4	3.1E-4	-2.2E-4	2.6E-4	-2.4E-4
407	0.167	-0.160	0.133	-0.121	-0.135	-0.513	1.2E-3	-8.5E-4	9.9E-5	-8.0E-5	1.5E-4	-1.4E-4
408	0.391	-1.213	0.816	-1.300	-0.307	-0.581	0.0E+0	0.0E+0	1.5E-3	-8.1E-4	3.4E-4	-1.5E-4
409	0.387	-1.184	0.821	-1.295	-0.304	-0.447	0.0E+0	0.0E+0	1.6E-3	-7.1E-4	3.2E-4	-1.8E-4
410	0.382	-1.168	0.823	-1.293	-0.137	-0.542	0.0E+0	0.0E+0	1.6E-3	-6.7E-4	3.0E-4	-1.9E-4
411	0.382	-1.160	0.825	-1.291	0.032	-0.642	0.0E+0	0.0E+0	1.5E-3	-6.2E-4	2.9E-4	-2.0E-4
412	0.299	-1.079	0.689	-1.132	-0.170	-0.790	1.3E-3	-1.9E-3	1.8E-3	-9.7E-4	3.3E-4	-1.6E-4
413	0.211	-0.904	0.557	-0.945	-0.169	-0.769	1.4E-3	-1.9E-3	1.8E-3	-8.6E-4	2.7E-4	-1.3E-4
414	0.138	-0.727	0.427	-0.756	-0.167	-0.747	1.3E-3	-1.9E-3	1.9E-3	-7.0E-4	2.0E-4	-8.7E-5
415	0.085	-0.553	0.310	-0.569	-0.164	-0.725	1.1E-3	-1.9E-3	1.8E-3	-4.7E-4	1.3E-4	-2.4E-5
416	0.620	-0.689	0.702	-0.982	-0.142	-0.700	1.9E-3	-2.8E-3	1.0E-3	-1.2E-3	-1.2E-4	-4.3E-4
417	0.502	-0.581	0.524	-0.719	-0.135	-0.672	1.9E-3	-2.7E-3	1.2E-3	-1.2E-3	-1.4E-4	-3.2E-4
418	0.389	-0.469	0.359	-0.481	-0.131	-0.636	1.7E-3	-2.3E-3	1.1E-3	-1.1E-3	-2.2E-5	-3.5E-4
419	0.289	-0.366	0.224	-0.284	-0.128	-0.591	1.2E-3	-1.7E-3	9.8E-4	-9.5E-4	5.1E-5	-3.3E-4
420	0.398	-1.242	0.783	-1.295	-0.130	-0.800	1.2E-3	-1.8E-3	0.0E+0	0.0E+0	3.3E-4	-1.7E-4
421	0.761	-0.878	0.932	-0.788	-0.018	-0.733	1.3E-3	-1.0E-3	0.0E+0	0.0E+0	3.2E-4	-1.7E-4



422	0.656	-0.732	0.800	-0.688	0.004	-0.707	1.2E-3	-9.4E-4	1.5E-3	-1.1E-3	2.5E-4	-1.5E-4
423	0.542	-0.589	0.685	-0.599	0.006	-0.685	1.2E-3	-9.0E-4	1.4E-3	-1.2E-3	1.9E-4	-1.2E-4
424	0.427	-0.453	0.573	-0.513	0.007	-0.660	1.1E-3	-8.6E-4	1.4E-3	-1.2E-3	1.2E-4	-7.8E-5
425	0.314	-0.327	0.466	-0.433	0.007	-0.633	1.1E-3	-8.3E-4	1.2E-3	-1.1E-3	5.6E-5	-2.6E-5
426	0.448	-1.060	1.133	-0.983	-0.259	-0.479	0.0E+0	0.0E+0	1.5E-3	-7.2E-4	1.1E-4	-3.8E-4
427	0.366	-0.920	0.920	-0.780	-0.214	-0.518	2.3E-3	-2.1E-3	1.6E-3	-7.6E-4	6.3E-5	-3.3E-4
428	0.294	-0.769	0.701	-0.578	-0.205	-0.511	2.3E-3	-2.1E-3	1.6E-3	-7.3E-4	-2.5E-6	-2.6E-4
429	0.226	-0.618	0.499	-0.397	-0.200	-0.497	2.0E-3	-1.8E-3	1.5E-3	-6.6E-4	-6.6E-5	-2.0E-4
430	0.167	-0.472	0.324	-0.248	-0.199	-0.476	1.6E-3	-1.3E-3	1.5E-3	-5.4E-4	-6.3E-5	-2.1E-4
431	0.741	-0.779	0.878	-1.193	-0.251	-0.652	1.6E-3	-2.5E-3	0.0E+0	0.0E+0	-1.1E-4	-6.0E-4
432	0.748	-0.772	0.902	-1.090	-0.380	-0.623	1.3E-3	-2.0E-3	0.0E+0	0.0E+0	-1.9E-4	-6.9E-4
433	0.759	-0.761	0.927	-0.989	-0.426	-0.576	1.4E-3	-1.8E-3	0.0E+0	0.0E+0	-1.6E-4	-6.5E-4
434	0.767	-0.752	0.958	-0.895	-0.380	-0.601	1.5E-3	-1.4E-3	0.0E+0	0.0E+0	-1.7E-4	-6.7E-4
435	0.770	-0.750	0.983	-0.806	-0.334	-0.718	1.7E-3	-7.4E-4	0.0E+0	0.0E+0	-3.6E-5	-5.3E-4
436	0.774	-0.745	0.977	-0.751	-0.249	-0.749	1.5E-3	-6.3E-4	0.0E+0	0.0E+0	1.9E-4	-3.1E-4
437	0.654	-0.617	0.829	-0.670	-0.183	-0.759	1.3E-3	-7.8E-4	1.4E-3	-1.4E-3	2.1E-4	-1.7E-4
438	0.516	-0.484	0.710	-0.587	-0.166	-0.732	1.2E-3	-9.2E-4	1.4E-3	-1.4E-3	1.8E-4	-1.4E-4
439	0.380	-0.358	0.599	-0.498	-0.155	-0.698	1.1E-3	-9.3E-4	1.2E-3	-1.3E-3	1.6E-4	-1.6E-4
440	0.260	-0.255	0.495	-0.413	-0.150	-0.657	1.1E-3	-9.1E-4	9.2E-4	-1.1E-3	1.5E-4	-1.8E-4
441	0.441	-1.065	1.126	-0.950	-0.213	-0.471	2.1E-3	-1.9E-3	0.0E+0	0.0E+0	1.1E-4	-3.9E-4
442	0.739	-0.768	1.252	-0.656	-0.238	-0.391	1.8E-3	-9.7E-4	0.0E+0	0.0E+0	2.3E-4	-2.7E-4
443	0.753	-0.754	1.209	-0.554	-0.262	-0.423	1.7E-3	-7.7E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
444	0.766	-0.741	1.151	-0.407	-0.217	-0.476	1.6E-3	-5.0E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
445	0.677	-0.829	1.331	-0.219	-0.295	-0.314	1.9E-3	-2.3E-4	0.0E+0	0.0E+0	2.2E-4	-2.7E-4
446	1.312	-0.195	1.495	-0.046	-0.319	-0.448	2.2E-3	-1.1E-4	0.0E+0	0.0E+0	2.4E-4	-2.6E-4
447	1.131	-0.155	1.282	-0.030	-0.306	-0.581	2.2E-3	-1.8E-4	4.0E-4	-1.9E-3	1.9E-4	-2.1E-4
448	0.944	-0.117	1.065	-0.013	-0.299	-0.573	2.3E-3	-1.7E-4	3.8E-4	-1.9E-3	1.4E-4	-1.6E-4
449	0.757	-0.083	0.850	0.001	-0.292	-0.560	2.2E-3	-9.5E-5	3.1E-4	-1.9E-3	9.4E-5	-1.2E-4
450	0.572	-0.057	0.643	0.003	-0.288	-0.542	2.1E-3	5.8E-5	2.1E-4	-1.9E-3	4.9E-5	-7.1E-5
451	1.315	-0.193	1.494	-0.046	-0.285	-0.482	0.0E+0	0.0E+0	3.6E-4	-1.8E-3	2.3E-4	-2.6E-4
452	0.711	-0.610	0.613	-0.706	-0.107	-0.770	1.1E-3	-1.3E-3	1.1E-3	-9.9E-4	2.3E-4	-1.9E-4
453	0.611	-0.504	0.498	-0.573	-0.103	-0.742	1.2E-3	-1.4E-3	1.1E-3	-1.1E-3	2.3E-4	-1.8E-4
454	0.508	-0.400	0.386	-0.441	-0.100	-0.708	1.1E-3	-1.3E-3	1.0E-3	-1.1E-3	2.3E-4	-1.7E-4
455	0.409	-0.305	0.289	-0.322	-0.099	-0.664	9.0E-4	-1.1E-3	9.3E-4	-9.7E-4	1.9E-4	-1.5E-4
456	1.011	-0.606	0.708	-0.832	-0.189	-0.698	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	-5.6E-5	-5.5E-4
457	0.972	-0.624	0.709	-0.830	-0.251	-0.627	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	-4.7E-5	-5.4E-4
458	0.934	-0.640	0.710	-0.829	-0.300	-0.570	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	-3.4E-5	-5.3E-4
459	0.898	-0.655	0.712	-0.828	-0.294	-0.570	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	-1.8E-5	-5.1E-4
460	0.868	-0.674	0.712	-0.827	-0.258	-0.603	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	1.7E-8	-4.9E-4
461	0.820	-0.709	0.712	-0.828	-0.178	-0.733	0.0E+0	0.0E+0	1.1E-3	-9.8E-4	5.9E-5	-4.4E-4
462	0.927	-0.466	0.608	-0.731	-0.121	-0.762	1.0E-3	-1.1E-3	1.2E-3	-1.3E-3	-9.6E-5	-5.2E-4
463	0.792	-0.353	0.511	-0.628	-0.118	-0.751	9.8E-4	-1.1E-3	1.1E-3	-1.4E-3	-1.2E-4	-4.6E-4
464	0.648	-0.253	0.418	-0.527	-0.117	-0.736	9.4E-4	-1.1E-3	9.7E-4	-1.5E-3	-1.3E-4	-3.9E-4
465	0.497	-0.168	0.330	-0.426	-0.117	-0.720	8.8E-4	-1.0E-3	7.8E-4	-1.6E-3	-1.3E-4	-2.9E-4
466	0.759	-0.760	0.864	-0.696	-0.221	-0.656	1.2E-3	-8.2E-4	0.0E+0	0.0E+0	3.7E-4	-1.2E-4
467	0.762	-0.758	0.831	-0.725	-0.339	-0.710	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	5.0E-4	6.8E-6
468	0.772	-0.747	0.793	-0.759	-0.352	-0.668	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	4.7E-4	-2.2E-5
469	0.783	-0.737	0.759	-0.790	-0.354	-0.691	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	4.6E-4	-3.6E-5
470	0.791	-0.728	0.735	-0.811	-0.292	-0.676	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	3.5E-4	-1.4E-4
471	0.795	-0.724	0.726	-0.817	-0.253	-0.694	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	3.3E-4	-1.7E-4
472	0.799	-0.720	0.720	-0.822	-0.197	-0.729	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	3.0E-4	-2.0E-4
473	0.638	-0.672	0.758	-0.616	-0.183	-0.654	1.1E-3	-8.2E-4	1.1E-3	-1.3E-3	2.7E-4	-2.1E-4
474	0.511	-0.552	0.651	-0.533	-0.174	-0.637	1.1E-3	-8.8E-4	1.3E-3	-1.3E-3	2.3E-4	-2.1E-4
475	0.387	-0.421	0.546	-0.447	-0.166	-0.615	1.1E-3	-8.9E-4	1.3E-3	-1.2E-3	2.3E-4	-2.0E-4
476	0.281	-0.302	0.444	-0.363	-0.158	-0.591	1.0E-3	-8.6E-4	1.1E-3	-9.4E-4	2.2E-4	-1.8E-4
477	1.048	-0.591	0.682	-0.859	-0.129	-0.774	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	-5.3E-5	-5.5E-4
478	0.696	-0.687	0.727	-0.639	-0.048	-0.657	1.2E-3	-9.1E-4	1.3E-3	-1.4E-3	1.8E-4	-2.6E-4
479	0.557	-0.563	0.602	-0.546	-0.046	-0.630	1.3E-3	-9.8E-4	1.3E-3	-1.4E-3	1.6E-4	-2.2E-4
480	0.424	-0.437	0.477	-0.452	-0.044	-0.602	1.3E-3	-9.6E-4	1.3E-3	-1.3E-3	1.4E-4	-1.9E-4
481	0.303	-0.317	0.363	-0.363	-0.042	-0.572	1.1E-3	-8.7E-4	1.2E-3	-1.2E-3	1.2E-4	-1.6E-4
482	0.809	-0.795	0.845	-0.716	-0.159	-0.595	0.0E+0	0.0E+0	1.1E-3	-1.3E-3	1.9E-4	-3.0E-4
483	0.786	-0.786	0.847	-0.714	-0.232	-0.500	0.0E+0	0.0E+0	1.1E-3	-1.3E-3	2.0E-4	-3.0E-4
484	0.773	-0.781	0.849	-0.712	-0.301	-0.437	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	2.0E-4	-3.0E-4
485	0.764	-0.779	0.852	-0.709	-0.330	-0.417	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	2.0E-4	-2.9E-4
486	0.757	-0.780	0.855	-0.706	-0.293	-0.464	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	2.1E-4	-2.9E-4
487	0.760	-0.859	0.918	-0.778	-0.084	-0.652	0.0E+0	0.0E+0	1.4E-3	-1.1E-3	3.4E-4	-1.6E-4
488	0.758	-0.840	0.921	-0.776	-0.167	-0.583	0.0E+0	0.0E+0	1.4E-3	-1.1E-3	3.5E-4	-1.5E-4
489	0.758	-0.821	0.923	-0.773	-0.249	-0.517	0.0E+0	0.0E+0	1.4E-3	-1.1E-3	3.6E-4	-1.4E-4
490	0.757	-0.801	0.926	-0.770	-0.329	-0.452	0.0E+0	0.0E+0	1.3E-3	-1.1E-3	3.6E-4	-1.3E-4
491	0.761	-0.783	0.930	-0.767	-0.336	-0.463	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	3.7E-4	-1.3E-4
492	0.768	-0.769	0.935	-0.761	-0.290	-0.528	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	3.7E-4	-1.3E-4
493	0.749	-0.771	0.880	-0.689	-0.187	-0.677	1.2E-3	-6.3E-4	0.0E+0	0.0E+0	2.8E-4	-2.2E-4



494	0.704	-1.775	1.272	-2.069	-0.263	-0.687	0.0E+0	0.0E+0	1.3E-3	-7.9E-4	4.1E-4	-4.6E-4
495	0.680	-1.756	1.273	-2.068	-0.354	-0.515	0.0E+0	0.0E+0	1.4E-3	-7.3E-4	4.1E-4	-4.6E-4
496	0.656	-1.737	1.274	-2.067	-0.309	-0.480	0.0E+0	0.0E+0	1.4E-3	-6.8E-4	4.2E-4	-4.5E-4
497	0.633	-1.717	1.275	-2.066	-0.130	-0.579	0.0E+0	0.0E+0	1.4E-3	-6.5E-4	4.2E-4	-4.4E-4
498	0.624	-1.709	1.275	-2.066	0.055	-0.683	0.0E+0	0.0E+0	1.4E-3	-6.3E-4	4.3E-4	-4.3E-4
499	0.645	-1.665	1.155	-1.871	-0.171	-0.861	1.2E-3	-2.0E-3	1.4E-3	-8.3E-4	4.1E-4	-3.5E-4
500	0.564	-1.531	1.039	-1.676	-0.170	-0.848	1.2E-3	-2.0E-3	1.4E-3	-8.4E-4	3.7E-4	-2.8E-4
501	0.481	-1.391	0.926	-1.489	-0.172	-0.831	1.2E-3	-1.9E-3	1.5E-3	-8.5E-4	3.6E-4	-2.1E-4
502	1.080	-1.012	1.177	-1.888	-0.158	-0.767	8.2E-4	-2.0E-3	7.6E-4	-1.3E-3	-8.0E-5	-8.6E-4
503	0.963	-0.938	1.092	-1.685	-0.156	-0.756	9.6E-4	-2.1E-3	7.7E-4	-1.2E-3	-9.1E-5	-7.7E-4
504	0.851	-0.863	0.992	-1.473	-0.154	-0.740	1.1E-3	-2.2E-3	7.8E-4	-1.2E-3	-1.0E-4	-6.8E-4
505	0.729	-1.792	1.232	-2.033	-0.142	-0.863	1.2E-3	-2.0E-3	0.0E+0	0.0E+0	4.5E-4	-4.2E-4
506	1.764	-0.758	1.265	-1.571	-0.382	-0.454	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	4.4E-4	-4.3E-4
507	1.113	-1.408	1.434	-1.223	-0.042	-0.785	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	5.7E-4	-2.9E-4
508	1.032	-1.276	1.284	-1.096	-0.009	-0.769	1.2E-3	-1.2E-3	1.3E-3	-8.6E-4	5.1E-4	-2.6E-4
509	0.947	-1.146	1.162	-0.987	-0.004	-0.758	1.3E-3	-1.1E-3	1.4E-3	-9.0E-4	4.5E-4	-2.2E-4
510	0.858	-1.013	1.038	-0.882	-0.001	-0.744	1.3E-3	-1.1E-3	1.4E-3	-9.3E-4	3.9E-4	-1.9E-4
511	1.172	-1.108	1.254	-2.087	-0.102	-0.756	0.0E+0	0.0E+0	7.6E-4	-1.3E-3	-5.8E-5	-9.2E-4
512	0.687	-1.572	1.775	-1.566	-0.275	-0.493	0.0E+0	0.0E+0	1.3E-3	-5.7E-4	2.9E-4	-5.8E-4
513	0.618	-1.456	1.626	-1.434	-0.257	-0.521	1.5E-3	-1.4E-3	1.3E-3	-5.8E-4	2.2E-4	-5.1E-4
514	0.561	-1.331	1.472	-1.296	-0.250	-0.520	1.6E-3	-1.5E-3	1.3E-3	-6.0E-4	1.5E-4	-4.5E-4
515	0.502	-1.202	1.311	-1.148	-0.239	-0.520	1.7E-3	-1.6E-3	1.3E-3	-6.1E-4	1.1E-4	-4.0E-4
516	1.205	-1.084	1.265	-1.991	-0.271	-0.730	7.9E-4	-2.0E-3	0.0E+0	0.0E+0	-1.3E-4	-1.0E-3
517	1.203	-1.086	1.280	-1.892	-0.363	-0.684	8.0E-4	-1.9E-3	0.0E+0	0.0E+0	-1.5E-4	-1.0E-3
518	1.203	-1.087	1.295	-1.791	-0.448	-0.634	8.2E-4	-1.8E-3	0.0E+0	0.0E+0	-1.5E-4	-1.0E-3
519	1.204	-1.085	1.310	-1.691	-0.502	-0.612	8.1E-4	-1.8E-3	0.0E+0	0.0E+0	-1.5E-4	-1.0E-3
520	1.145	-1.144	1.768	-1.014	-0.354	-0.774	2.3E-3	-3.8E-4	0.0E+0	0.0E+0	3.9E-5	-8.3E-4
521	1.148	-1.141	1.772	-0.954	-0.344	-0.778	2.3E-3	-3.2E-4	0.0E+0	0.0E+0	4.2E-5	-8.2E-4
522	1.152	-1.138	1.776	-0.894	-0.308	-0.808	2.4E-3	-2.4E-4	0.0E+0	0.0E+0	4.8E-5	-8.2E-4
523	1.053	-1.029	1.540	-0.822	-0.261	-0.829	2.4E-3	-2.1E-4	1.1E-3	-1.0E-3	2.0E-4	-6.5E-4
524	0.959	-0.928	1.322	-0.797	-0.248	-0.816	2.1E-3	-3.0E-4	1.0E-3	-9.4E-4	2.3E-4	-5.6E-4
525	0.871	-0.834	1.127	-0.767	-0.229	-0.801	1.9E-3	-2.8E-4	8.5E-4	-8.9E-4	2.5E-4	-4.3E-4
526	0.675	-1.578	1.750	-1.516	-0.238	-0.487	1.5E-3	-1.3E-3	0.0E+0	0.0E+0	2.9E-4	-5.7E-4
527	1.073	-1.180	1.959	-1.025	-0.253	-0.425	1.8E-3	-9.3E-4	0.0E+0	0.0E+0	4.1E-4	-4.5E-4
528	1.119	-1.134	1.885	-0.857	-0.252	-0.482	1.7E-3	-7.7E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
529	1.120	-1.133	1.855	-0.822	-0.336	-0.396	1.7E-3	-7.3E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
530	1.121	-1.132	1.826	-0.787	-0.308	-0.420	1.7E-3	-7.0E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
531	1.142	-1.111	1.767	-0.614	-0.352	-0.386	1.6E-3	-5.2E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
532	1.142	-1.110	1.754	-0.597	-0.300	-0.440	1.6E-3	-4.9E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
533	1.143	-1.109	1.752	-0.589	-0.215	-0.528	1.5E-3	-4.6E-4	0.0E+0	0.0E+0	4.0E-4	-4.6E-4
534	1.016	-1.236	2.024	-0.281	-0.316	-0.338	1.8E-3	-1.3E-4	0.0E+0	0.0E+0	4.1E-4	-4.6E-4
535	1.965	-0.287	2.262	-0.007	-0.342	-0.459	1.9E-3	1.9E-4	0.0E+0	0.0E+0	4.2E-4	-4.5E-4
536	1.808	-0.266	2.071	-0.019	-0.341	-0.592	1.9E-3	1.8E-4	2.1E-4	-1.6E-3	3.9E-4	-4.0E-4
537	1.647	-0.245	1.884	-0.034	-0.335	-0.590	2.0E-3	1.3E-4	2.3E-4	-1.7E-3	3.5E-4	-3.6E-4
538	1.483	-0.221	1.693	-0.043	-0.327	-0.588	2.0E-3	7.3E-5	2.5E-4	-1.7E-3	3.0E-4	-3.1E-4
539	1.116	-1.165	1.084	-1.175	-0.096	-0.852	0.0E+0	0.0E+0	1.2E-3	-7.1E-4	3.6E-4	-5.1E-4
540	1.970	-0.289	2.258	-0.001	-0.299	-0.479	0.0E+0	0.0E+0	2.1E-4	-1.6E-3	4.2E-4	-4.4E-4
541	1.054	-1.047	0.989	-1.086	-0.120	-0.824	9.7E-4	-9.0E-4	1.2E-3	-7.6E-4	3.1E-4	-4.9E-4
542	0.977	-0.936	0.896	-0.999	-0.118	-0.816	9.6E-4	-9.1E-4	1.1E-3	-8.3E-4	2.9E-4	-4.3E-4
543	0.893	-0.828	0.805	-0.912	-0.116	-0.806	8.9E-4	-8.7E-4	1.1E-3	-9.0E-4	2.7E-4	-3.6E-4
544	1.390	-1.088	1.061	-1.197	-0.201	-0.716	0.0E+0	0.0E+0	1.3E-3	-9.0E-4	1.6E-4	-7.0E-4
545	1.343	-1.093	1.065	-1.194	-0.264	-0.645	0.0E+0	0.0E+0	1.2E-3	-8.9E-4	1.6E-4	-7.1E-4
546	1.294	-1.099	1.069	-1.190	-0.309	-0.594	0.0E+0	0.0E+0	1.2E-3	-8.6E-4	1.5E-4	-7.2E-4
547	1.245	-1.105	1.073	-1.185	-0.300	-0.603	0.0E+0	0.0E+0	1.2E-3	-8.4E-4	1.5E-4	-7.2E-4
548	1.209	-1.124	1.078	-1.180	-0.264	-0.642	0.0E+0	0.0E+0	1.2E-3	-8.2E-4	1.6E-4	-7.1E-4
549	1.177	-1.142	1.082	-1.176	-0.217	-0.698	0.0E+0	0.0E+0	1.2E-3	-7.9E-4	1.9E-4	-6.8E-4
550	1.148	-1.156	1.085	-1.174	-0.170	-0.760	0.0E+0	0.0E+0	1.2E-3	-7.6E-4	2.3E-4	-6.3E-4
551	1.350	-0.957	0.975	-1.105	-0.137	-0.790	9.0E-4	-9.5E-4	1.3E-3	-9.3E-4	9.1E-5	-6.9E-4
552	1.257	-0.833	0.887	-1.014	-0.133	-0.784	9.3E-4	-9.3E-4	1.3E-3	-9.8E-4	4.9E-5	-6.6E-4
553	1.158	-0.710	0.797	-0.925	-0.128	-0.778	9.2E-4	-9.1E-4	1.3E-3	-1.0E-3	5.5E-6	-6.1E-4
554	1.136	-1.153	1.209	-1.125	-0.379	-0.754	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	6.9E-4	-1.8E-4
555	1.138	-1.152	1.178	-1.144	-0.390	-0.739	9.3E-4	-1.0E-3	0.0E+0	0.0E+0	6.8E-4	-1.9E-4
556	1.137	-1.153	1.150	-1.162	-0.398	-0.725	9.0E-4	-9.9E-4	0.0E+0	0.0E+0	6.6E-4	-2.1E-4
557	1.134	-1.155	1.124	-1.177	-0.378	-0.731	8.9E-4	-9.7E-4	0.0E+0	0.0E+0	6.2E-4	-2.5E-4
558	1.131	-1.158	1.103	-1.187	-0.342	-0.746	8.8E-4	-9.6E-4	0.0E+0	0.0E+0	5.6E-4	-3.0E-4
559	1.127	-1.162	1.089	-1.191	-0.297	-0.761	8.9E-4	-9.5E-4	0.0E+0	0.0E+0	4.9E-4	-3.7E-4
560	1.124	-1.165	1.082	-1.187	-0.234	-0.784	9.4E-4	-9.4E-4	0.0E+0	0.0E+0	4.0E-4	-4.7E-4
561	1.010	-1.087	1.329	-0.805	-0.229	-0.707	2.0E-3	-3.6E-4	1.2E-3	-7.6E-4	4.1E-4	-4.2E-4
562	0.932	-0.972	1.152	-0.769	-0.218	-0.696	1.8E-3	-4.6E-4	1.1E-3	-8.5E-4	4.0E-4	-3.9E-4
563	0.847	-0.866	0.998	-0.729	-0.206	-0.684	1.4E-3	-3.6E-4	1.0E-3	-9.1E-4	3.8E-4	-3.5E-4
564	1.328	-1.194	1.242	-1.110	-0.081	-0.741	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	3.5E-4	-5.2E-4
565	1.436	-1.086	1.040	-1.228	-0.159	-0.820	9.0E-4	-9.5E-4	0.0E+0	0.0E+0	1.4E-4	-7.2E-4



566	1.206	-1.103	1.141	-1.010	-0.056	-0.732	1.1E-3	-1.1E-3	9.6E-4	-1.2E-3	3.2E-4	-4.6E-4
567	1.085	-1.007	1.041	-0.909	-0.053	-0.719	1.0E-3	-1.0E-3	1.0E-3	-1.3E-3	2.7E-4	-4.0E-4
568	0.962	-0.909	0.942	-0.814	-0.052	-0.701	1.1E-3	-9.8E-4	1.0E-3	-1.3E-3	2.3E-4	-3.5E-4
569	1.117	-1.405	1.379	-1.198	0.022	-0.793	1.2E-3	-1.2E-3	0.0E+0	0.0E+0	5.5E-4	-3.2E-4
570	1.324	-1.198	1.257	-1.142	-0.041	-0.747	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	3.7E-4	-4.9E-4
571	1.299	-1.184	1.241	-1.117	-0.121	-0.659	0.0E+0	0.0E+0	9.4E-4	-1.2E-3	3.4E-4	-5.3E-4
572	1.270	-1.173	1.245	-1.113	-0.184	-0.590	0.0E+0	0.0E+0	9.2E-4	-1.2E-3	3.3E-4	-5.3E-4
573	1.242	-1.162	1.248	-1.110	-0.249	-0.524	0.0E+0	0.0E+0	9.0E-4	-1.1E-3	3.4E-4	-5.3E-4
574	1.214	-1.151	1.250	-1.108	-0.318	-0.456	0.0E+0	0.0E+0	8.8E-4	-1.1E-3	3.4E-4	-5.2E-4
575	1.193	-1.146	1.251	-1.107	-0.346	-0.430	0.0E+0	0.0E+0	8.7E-4	-1.0E-3	3.5E-4	-5.2E-4
576	1.179	-1.147	1.252	-1.106	-0.285	-0.493	0.0E+0	0.0E+0	8.6E-4	-1.0E-3	3.6E-4	-5.1E-4
577	1.110	-1.373	1.405	-1.208	-0.094	-0.688	0.0E+0	0.0E+0	1.3E-3	-8.4E-4	6.1E-4	-2.6E-4
578	1.106	-1.337	1.408	-1.205	-0.178	-0.611	0.0E+0	0.0E+0	1.2E-3	-8.2E-4	6.2E-4	-2.4E-4
579	1.104	-1.300	1.411	-1.202	-0.263	-0.537	0.0E+0	0.0E+0	1.2E-3	-8.0E-4	6.3E-4	-2.4E-4
580	1.102	-1.263	1.413	-1.200	-0.346	-0.468	0.0E+0	0.0E+0	1.1E-3	-7.8E-4	6.3E-4	-2.4E-4
581	1.107	-1.233	1.414	-1.199	-0.345	-0.483	0.0E+0	0.0E+0	1.1E-3	-7.7E-4	6.2E-4	-2.4E-4
582	1.116	-1.210	1.415	-1.198	-0.269	-0.572	0.0E+0	0.0E+0	1.1E-3	-7.6E-4	6.2E-4	-2.5E-4
583	1.078	-1.211	1.540	-0.857	-0.248	-0.744	2.1E-3	-3.5E-4	0.0E+0	0.0E+0	3.6E-4	-5.0E-4
584	0.086	-0.223	0.179	-0.221	0.139	-0.565	0.0E+0	0.0E+0	1.6E-3	-4.6E-4	2.1E-4	-2.3E-4
585	0.149	-0.218	0.108	-0.115	-0.111	-0.516	0.0E+0	0.0E+0	7.6E-4	-7.4E-4	6.8E-5	-6.9E-5
586	0.065	-0.275	0.196	-0.295	-0.261	-0.363	0.0E+0	0.0E+0	1.8E-3	-4.4E-4	1.2E-4	-8.1E-7
587	0.043	-0.185	0.159	-0.226	-0.259	-0.355	0.0E+0	0.0E+0	1.8E-3	-4.1E-4	8.5E-5	-2.1E-6
588	0.022	-0.095	0.124	-0.158	-0.258	-0.347	0.0E+0	0.0E+0	1.8E-3	-3.9E-4	5.0E-5	-8.7E-6
589	0.028	-0.131	0.134	-0.184	-0.245	-0.426	0.0E+0	0.0E+0	1.8E-3	-2.9E-4	1.0E-4	-2.0E-5
590	0.048	-0.252	0.181	-0.282	-0.245	-0.446	0.0E+0	0.0E+0	1.8E-3	-3.1E-4	9.8E-5	4.6E-5
591	0.029	-0.139	0.132	-0.184	-0.204	-0.528	0.0E+0	0.0E+0	1.8E-3	-2.0E-4	1.7E-4	-1.0E-4
592	0.043	-0.256	0.177	-0.283	-0.214	-0.536	0.0E+0	0.0E+0	1.8E-3	-2.3E-4	1.4E-4	-1.7E-5
593	0.073	-0.212	0.172	-0.221	0.054	-0.521	0.0E+0	0.0E+0	1.7E-3	-4.9E-4	2.0E-4	-2.3E-4
594	0.062	-0.235	0.183	-0.260	-0.151	-0.420	0.0E+0	0.0E+0	1.8E-3	-4.7E-4	1.2E-4	-6.0E-5
595	0.060	-0.201	0.170	-0.228	-0.042	-0.475	0.0E+0	0.0E+0	1.8E-3	-4.9E-4	1.6E-4	-1.6E-4
596	0.032	-0.124	0.138	-0.178	-0.167	-0.396	0.0E+0	0.0E+0	1.8E-3	-4.6E-4	8.4E-5	-6.0E-5
597	0.019	-0.074	0.117	-0.142	-0.206	-0.368	0.0E+0	0.0E+0	1.8E-3	-4.4E-4	5.6E-5	-4.2E-5
598	0.062	-0.297	0.201	-0.317	-0.279	-0.384	0.0E+0	0.0E+0	1.8E-3	-3.9E-4	1.2E-4	3.1E-5
599	0.048	-0.194	0.097	-0.197	-0.001	-0.517	7.9E-4	-1.8E-3	0.0E+0	0.0E+0	2.9E-4	-2.5E-4
600	0.036	-0.055	0.103	-0.165	-0.184	-0.247	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.6E-5	-8.6E-5
601	0.029	-0.062	0.109	-0.176	-0.175	-0.292	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.1E-5	-7.1E-5
602	0.075	-0.050	0.159	-0.190	-0.174	-0.308	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.6E-4	-2.6E-4
603	0.065	-0.055	0.122	-0.152	-0.195	-0.258	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.8E-4	-2.7E-4
604	0.107	-0.123	0.226	-0.233	-0.009	-0.558	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	2.8E-4	-2.6E-4
605	0.037	-0.196	0.124	-0.220	-0.091	-0.586	7.6E-4	-1.7E-3	0.0E+0	0.0E+0	2.9E-4	-2.2E-4
606	0.045	-0.284	0.165	-0.307	-0.102	-0.611	7.8E-4	-1.7E-3	0.0E+0	0.0E+0	2.3E-4	-1.5E-4
607	0.048	-0.280	0.150	-0.296	-0.046	-0.570	8.1E-4	-1.7E-3	0.0E+0	0.0E+0	2.6E-4	-2.0E-4
608	0.032	-0.057	0.106	-0.171	-0.186	-0.261	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.3E-5	-7.6E-5
609	0.040	-0.083	0.180	-0.285	-0.195	-0.266	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.4E-5	-8.2E-5
610	0.036	-0.069	0.143	-0.228	-0.191	-0.263	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.1E-5	-8.1E-5
611	0.034	-0.072	0.145	-0.232	-0.186	-0.281	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.9E-5	-7.7E-5
612	0.037	-0.082	0.172	-0.275	-0.192	-0.280	1.1E-3	-1.8E-3	0.0E+0	0.0E+0	4.3E-5	-8.1E-5
613	0.042	-0.083	0.178	-0.283	-0.188	-0.263	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.4E-5	-8.2E-5
614	0.038	-0.069	0.142	-0.225	-0.188	-0.256	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	4.3E-5	-8.2E-5
615	0.070	-0.052	0.140	-0.171	-0.193	-0.273	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.8E-4	-2.6E-4
616	0.111	-0.078	0.224	-0.275	-0.200	-0.289	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.6E-4	-2.5E-4
617	0.091	-0.065	0.182	-0.223	-0.196	-0.281	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.7E-4	-2.6E-4
618	0.087	-0.067	0.171	-0.211	-0.202	-0.266	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.7E-4	-2.6E-4
619	0.103	-0.077	0.202	-0.250	-0.204	-0.272	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.6E-4	-2.5E-4
620	0.112	-0.077	0.231	-0.281	-0.193	-0.299	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.6E-4	-2.5E-4
621	0.093	-0.064	0.190	-0.231	-0.188	-0.295	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	2.7E-4	-2.6E-4
622	0.109	-0.118	0.243	-0.253	-0.008	-0.560	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	2.6E-4	-2.2E-4
623	0.171	-0.184	0.323	-0.321	-0.006	-0.581	1.2E-3	-9.7E-4	0.0E+0	0.0E+0	1.6E-4	-1.3E-4
624	0.139	-0.151	0.284	-0.288	-0.007	-0.570	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	2.0E-4	-1.7E-4
625	0.138	-0.154	0.276	-0.279	-0.007	-0.569	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	2.3E-4	-2.0E-4
626	0.161	-0.177	0.307	-0.306	-0.006	-0.576	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	1.9E-4	-1.7E-4
627	0.172	-0.183	0.325	-0.324	-0.006	-0.581	1.1E-3	-9.4E-4	0.0E+0	0.0E+0	1.3E-4	-1.0E-4
628	0.140	-0.150	0.288	-0.294	-0.006	-0.571	1.2E-3	-9.7E-4	0.0E+0	0.0E+0	1.8E-4	-1.4E-4
629	0.128	-0.233	0.143	-0.130	-0.149	-0.434	0.0E+0	0.0E+0	1.1E-3	-5.8E-4	1.2E-4	-3.5E-4
630	0.088	-0.159	0.119	-0.108	-0.148	-0.426	0.0E+0	0.0E+0	1.1E-3	-5.8E-4	1.9E-4	-2.2E-4
631	0.110	-0.180	0.115	-0.106	-0.128	-0.464	0.0E+0	0.0E+0	9.1E-4	-6.2E-4	2.1E-4	-2.2E-4
632	0.152	-0.238	0.132	-0.124	-0.124	-0.484	0.0E+0	0.0E+0	8.7E-4	-6.5E-4	7.9E-5	-2.6E-4
633	0.151	-0.228	0.121	-0.115	-0.122	-0.497	0.0E+0	0.0E+0	8.1E-4	-6.7E-4	6.3E-5	-1.7E-4
634	0.093	-0.202	0.129	-0.110	-0.185	-0.416	0.0E+0	0.0E+0	1.3E-3	-4.2E-4	1.1E-4	-2.7E-4
635	0.111	-0.227	0.141	-0.125	-0.173	-0.415	0.0E+0	0.0E+0	1.2E-3	-5.1E-4	1.1E-4	-3.3E-4
636	0.080	-0.151	0.116	-0.105	-0.163	-0.413	0.0E+0	0.0E+0	1.2E-3	-5.3E-4	1.4E-4	-2.0E-4
637	0.166	-0.245	0.127	-0.125	-0.123	-0.505	0.0E+0	0.0E+0	8.1E-4	-6.8E-4	2.7E-5	-1.7E-4



638	0.117	-0.186	0.110	-0.102	-0.123	-0.479	0.0E+0	0.0E+0	7.9E-4	-6.3E-4	1.8E-4	-1.7E-4
639	0.173	-0.186	0.261	-0.220	-0.165	-0.555	1.3E-3	-1.0E-3	0.0E+0	0.0E+0	3.5E-4	-4.2E-4
640	0.180	-0.197	0.222	-0.187	-0.191	-0.522	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	4.2E-4	-5.0E-4
641	0.187	-0.203	0.183	-0.155	-0.225	-0.492	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	3.5E-4	-4.3E-4
642	0.179	-0.199	0.153	-0.131	-0.261	-0.469	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-3.2E-4
643	0.173	-0.201	0.130	-0.115	-0.291	-0.443	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	1.4E-4	-2.2E-4
644	0.168	-0.206	0.115	-0.105	-0.295	-0.429	1.2E-3	-1.2E-3	0.0E+0	0.0E+0	1.0E-4	-1.6E-4
645	0.166	-0.212	0.105	-0.099	-0.272	-0.428	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	8.7E-5	-1.1E-4
646	0.163	-0.214	0.101	-0.095	-0.239	-0.428	9.1E-4	-8.9E-4	0.0E+0	0.0E+0	7.7E-5	-4.5E-5
647	0.159	-0.214	0.102	-0.095	-0.214	-0.435	7.1E-4	-7.2E-4	0.0E+0	0.0E+0	3.4E-5	-4.0E-5
648	0.156	-0.217	0.109	-0.103	-0.184	-0.460	4.9E-4	-5.4E-4	0.0E+0	0.0E+0	8.2E-5	-9.7E-5
649	0.171	-0.234	0.122	-0.119	-0.167	-0.485	4.3E-4	-5.6E-4	0.0E+0	0.0E+0	2.0E-5	-5.2E-5
650	0.092	-0.196	0.109	-0.058	-0.100	-0.334	9.0E-4	-5.0E-4	0.0E+0	0.0E+0	1.7E-4	-2.8E-4
651	0.125	-0.102	0.180	-0.065	-0.124	-0.404	1.8E-3	-6.6E-4	0.0E+0	0.0E+0	7.7E-6	-4.5E-5
652	0.100	-0.121	0.177	-0.092	-0.132	-0.333	1.8E-3	-9.6E-4	0.0E+0	0.0E+0	1.3E-5	-3.8E-5
653	0.109	-0.115	0.204	-0.036	-0.144	-0.277	2.0E-3	-3.6E-4	0.0E+0	0.0E+0	-7.5E-6	-3.7E-5
654	0.100	-0.122	0.197	-0.039	-0.191	-0.296	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	4.5E-6	-4.6E-5
655	0.213	-0.048	0.220	-0.004	-0.124	-0.289	1.9E-3	2.1E-4	0.0E+0	0.0E+0	2.3E-4	-3.0E-4
656	0.089	-0.196	0.116	-0.072	-0.149	-0.341	8.8E-4	-4.9E-4	0.0E+0	0.0E+0	1.5E-4	-2.5E-4
657	0.088	-0.201	0.124	-0.087	-0.181	-0.376	7.4E-4	-4.3E-4	0.0E+0	0.0E+0	1.2E-4	-2.5E-4
658	0.117	-0.100	0.179	-0.066	-0.158	-0.374	1.8E-3	-6.6E-4	0.0E+0	0.0E+0	1.4E-5	-4.2E-5
659	0.115	-0.102	0.178	-0.068	-0.198	-0.340	1.8E-3	-6.7E-4	0.0E+0	0.0E+0	1.7E-5	-4.2E-5
660	0.114	-0.104	0.177	-0.069	-0.231	-0.305	1.8E-3	-6.7E-4	0.0E+0	0.0E+0	1.5E-5	-4.0E-5
661	0.114	-0.107	0.177	-0.072	-0.249	-0.284	1.8E-3	-7.0E-4	0.0E+0	0.0E+0	1.4E-5	-4.0E-5
662	0.115	-0.109	0.178	-0.075	-0.252	-0.280	1.8E-3	-7.4E-4	0.0E+0	0.0E+0	1.2E-5	-3.8E-5
663	0.112	-0.108	0.179	-0.078	-0.252	-0.279	1.8E-3	-7.7E-4	0.0E+0	0.0E+0	1.2E-5	-3.8E-5
664	0.110	-0.108	0.180	-0.082	-0.261	-0.274	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	1.1E-5	-3.5E-5
665	0.107	-0.107	0.180	-0.085	-0.249	-0.283	1.8E-3	-8.3E-4	0.0E+0	0.0E+0	1.1E-5	-3.5E-5
666	0.105	-0.110	0.181	-0.087	-0.219	-0.307	1.8E-3	-8.6E-4	0.0E+0	0.0E+0	5.8E-6	-2.9E-5
667	0.107	-0.116	0.181	-0.089	-0.199	-0.310	1.8E-3	-8.9E-4	0.0E+0	0.0E+0	2.3E-6	-2.4E-5
668	0.108	-0.117	0.180	-0.090	-0.193	-0.301	1.8E-3	-9.1E-4	0.0E+0	0.0E+0	6.6E-6	-2.6E-5
669	0.102	-0.111	0.179	-0.091	-0.179	-0.307	1.8E-3	-9.3E-4	0.0E+0	0.0E+0	7.7E-6	-2.4E-5
670	0.099	-0.113	0.184	-0.094	-0.157	-0.321	1.8E-3	-9.6E-4	0.0E+0	0.0E+0	1.2E-5	-3.1E-5
671	0.110	-0.124	0.240	-0.125	-0.144	-0.333	1.8E-3	-9.6E-4	0.0E+0	0.0E+0	6.7E-6	-3.0E-5
672	0.104	-0.116	0.201	-0.037	-0.198	-0.247	2.0E-3	-3.6E-4	0.0E+0	0.0E+0	2.6E-6	-3.9E-5
673	0.101	-0.116	0.199	-0.037	-0.219	-0.248	2.0E-3	-3.8E-4	0.0E+0	0.0E+0	3.6E-6	-3.8E-5
674	0.131	-0.164	0.333	-0.062	-0.232	-0.247	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	1.5E-5	-5.8E-5
675	0.114	-0.137	0.259	-0.048	-0.227	-0.241	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	5.0E-6	-4.6E-5
676	0.122	-0.154	0.298	-0.056	-0.213	-0.271	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	1.4E-5	-5.8E-5
677	0.127	-0.150	0.300	-0.055	-0.186	-0.265	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	2.0E-6	-4.6E-5
678	0.114	-0.133	0.253	-0.046	-0.206	-0.248	2.0E-3	-3.7E-4	0.0E+0	0.0E+0	1.3E-6	-4.3E-5
679	0.219	-0.043	0.258	-0.033	-0.261	-0.380	1.8E-3	3.1E-4	0.0E+0	0.0E+0	2.2E-4	-2.6E-4
680	0.214	-0.044	0.238	-0.018	-0.207	-0.312	1.9E-3	2.3E-4	0.0E+0	0.0E+0	2.2E-4	-2.8E-4
681	0.219	-0.134	0.173	-0.168	-0.049	-0.594	0.0E+0	0.0E+0	8.3E-4	-1.1E-3	1.2E-4	-1.0E-4
682	0.230	-0.045	0.264	-0.057	-0.115	-0.304	0.0E+0	0.0E+0	7.5E-6	-1.7E-3	8.9E-5	-7.4E-5
683	0.226	-0.140	0.165	-0.168	-0.071	-0.583	0.0E+0	0.0E+0	7.9E-4	-1.0E-3	8.8E-5	-9.7E-5
684	0.228	-0.042	0.268	-0.051	-0.207	-0.387	0.0E+0	0.0E+0	2.4E-5	-1.7E-3	8.7E-5	-1.2E-4
685	0.341	-0.044	0.386	-0.026	-0.226	-0.417	0.0E+0	0.0E+0	4.5E-5	-1.7E-3	9.9E-5	-1.1E-4
686	0.284	-0.043	0.327	-0.038	-0.217	-0.402	0.0E+0	0.0E+0	2.8E-5	-1.7E-3	1.0E-4	-1.1E-4
687	0.286	-0.044	0.324	-0.041	-0.163	-0.345	0.0E+0	0.0E+0	2.3E-5	-1.7E-3	9.2E-5	-9.1E-5
688	0.327	-0.044	0.368	-0.032	-0.172	-0.354	0.0E+0	0.0E+0	3.2E-5	-1.7E-3	9.4E-5	-9.8E-5
689	0.340	-0.043	0.389	-0.025	-0.255	-0.463	0.0E+0	0.0E+0	4.4E-5	-1.7E-3	1.0E-4	-1.2E-4
690	0.283	-0.042	0.330	-0.037	-0.250	-0.454	0.0E+0	0.0E+0	3.1E-5	-1.7E-3	1.1E-4	-1.3E-4
691	0.203	-0.111	0.196	-0.228	-0.254	-0.465	0.0E+0	0.0E+0	8.1E-4	-1.4E-3	5.7E-5	-1.8E-4
692	0.107	-0.057	0.152	-0.171	-0.247	-0.450	0.0E+0	0.0E+0	8.0E-4	-1.4E-3	8.0E-5	-1.2E-4
693	0.115	-0.049	0.148	-0.179	-0.219	-0.512	0.0E+0	0.0E+0	6.4E-4	-1.5E-3	-1.5E-5	-1.0E-4
694	0.218	-0.092	0.197	-0.245	-0.224	-0.530	0.0E+0	0.0E+0	6.7E-4	-1.5E-3	-5.5E-5	-1.6E-4
695	0.125	-0.047	0.146	-0.184	-0.167	-0.587	0.0E+0	0.0E+0	5.1E-4	-1.6E-3	8.3E-5	-2.0E-4
696	0.229	-0.083	0.196	-0.253	-0.170	-0.605	0.0E+0	0.0E+0	5.6E-4	-1.5E-3	-3.6E-5	-1.8E-4
697	0.207	-0.069	0.182	-0.240	-0.142	-0.642	0.0E+0	0.0E+0	4.9E-4	-1.6E-3	5.1E-5	-2.2E-4
698	0.219	-0.139	0.169	-0.180	-0.121	-0.547	0.0E+0	0.0E+0	7.8E-4	-1.0E-3	2.0E-4	-1.3E-4
699	0.196	-0.124	0.175	-0.187	-0.152	-0.511	0.0E+0	0.0E+0	8.3E-4	-1.2E-3	2.9E-4	-2.1E-4
700	0.176	-0.109	0.177	-0.191	-0.188	-0.490	0.0E+0	0.0E+0	8.4E-4	-1.3E-3	2.3E-4	-2.1E-4
701	0.196	-0.115	0.191	-0.215	-0.222	-0.480	0.0E+0	0.0E+0	8.4E-4	-1.4E-3	1.2E-4	-1.8E-4
702	0.108	-0.061	0.153	-0.167	-0.222	-0.463	0.0E+0	0.0E+0	8.2E-4	-1.4E-3	1.5E-4	-1.5E-4
703	0.108	-0.051	0.150	-0.175	-0.253	-0.462	0.0E+0	0.0E+0	7.4E-4	-1.5E-3	1.2E-5	-1.0E-4
704	0.208	-0.101	0.197	-0.237	-0.260	-0.477	0.0E+0	0.0E+0	7.6E-4	-1.5E-3	9.8E-7	-1.8E-4
705	0.121	-0.043	0.141	-0.180	-0.139	-0.628	0.0E+0	0.0E+0	4.5E-4	-1.6E-3	1.7E-4	-2.6E-4
706	0.221	-0.147	0.154	-0.156	-0.161	-0.528	6.2E-4	-7.3E-4	0.0E+0	0.0E+0	2.4E-4	-2.2E-4
707	0.213	-0.149	0.134	-0.137	-0.193	-0.503	8.3E-4	-9.2E-4	0.0E+0	0.0E+0	2.1E-4	-2.2E-4
708	0.206	-0.153	0.118	-0.121	-0.215	-0.478	9.8E-4	-1.0E-3	0.0E+0	0.0E+0	1.5E-4	-1.4E-4
709	0.203	-0.158	0.111	-0.111	-0.226	-0.454	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	7.5E-5	-4.2E-5



710	0.203	-0.161	0.111	-0.108	-0.230	-0.448	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	9.4E-5	-3.5E-5
711	0.196	-0.160	0.119	-0.111	-0.228	-0.457	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	1.7E-4	-9.3E-5
712	0.190	-0.166	0.135	-0.120	-0.215	-0.466	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	2.6E-4	-1.7E-4
713	0.191	-0.174	0.159	-0.136	-0.194	-0.471	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	3.5E-4	-2.6E-4
714	0.191	-0.178	0.189	-0.158	-0.174	-0.488	1.3E-3	-1.0E-3	0.0E+0	0.0E+0	4.0E-4	-3.2E-4
715	0.186	-0.175	0.221	-0.183	-0.161	-0.511	1.1E-3	-9.5E-4	0.0E+0	0.0E+0	4.2E-4	-3.4E-4
716	0.191	-0.185	0.267	-0.220	-0.157	-0.530	1.1E-3	-8.7E-4	0.0E+0	0.0E+0	3.4E-4	-2.8E-4
717	0.116	-0.108	0.174	-0.187	-0.030	-0.512	8.5E-4	-8.7E-4	0.0E+0	0.0E+0	2.6E-4	-2.7E-4
718	0.058	-0.061	0.103	-0.127	-0.195	-0.255	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.5E-4	-2.6E-4
719	0.051	-0.070	0.136	-0.161	-0.180	-0.288	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.3E-4	-2.4E-4
720	0.062	-0.023	0.098	-0.146	-0.181	-0.298	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	8.7E-5	-3.3E-5
721	0.055	-0.031	0.093	-0.133	-0.185	-0.247	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	9.8E-5	-4.3E-5
722	0.173	-0.067	0.104	-0.176	-0.020	-0.541	8.6E-4	-1.4E-3	0.0E+0	0.0E+0	2.6E-4	-3.4E-4
723	0.112	-0.108	0.187	-0.201	-0.049	-0.497	8.1E-4	-8.3E-4	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
724	0.053	-0.065	0.120	-0.144	-0.193	-0.264	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
725	0.069	-0.088	0.174	-0.211	-0.199	-0.274	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
726	0.071	-0.085	0.164	-0.200	-0.204	-0.264	1.0E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
727	0.057	-0.025	0.096	-0.140	-0.191	-0.263	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	9.2E-5	-4.1E-5
728	0.076	-0.029	0.146	-0.209	-0.199	-0.264	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	9.0E-5	-3.6E-5
729	0.080	-0.027	0.147	-0.213	-0.195	-0.284	1.0E-3	-1.4E-3	0.0E+0	0.0E+0	9.1E-5	-3.7E-5
730	0.179	-0.059	0.146	-0.209	-0.097	-0.614	8.2E-4	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-3.3E-4
731	0.174	-0.061	0.124	-0.191	-0.058	-0.573	8.6E-4	-1.4E-3	0.0E+0	0.0E+0	2.6E-4	-3.3E-4
732	0.114	-0.116	0.253	-0.269	0.044	-0.602	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	6.8E-5	-2.0E-5
733	0.109	-0.116	0.200	-0.221	-0.011	-0.539	7.8E-4	-8.1E-4	0.0E+0	0.0E+0	2.5E-5	-1.0E-4
734	0.104	-0.113	0.224	-0.212	-0.242	-0.361	0.0E+0	0.0E+0	1.1E-3	-9.9E-4	7.3E-5	-7.5E-5
735	0.054	-0.057	0.176	-0.182	-0.123	-0.420	0.0E+0	0.0E+0	1.0E-3	-9.5E-4	7.8E-5	-9.2E-5
736	0.101	-0.107	0.212	-0.214	-0.124	-0.431	0.0E+0	0.0E+0	1.0E-3	-9.7E-4	5.0E-5	-6.8E-5
737	0.150	-0.159	0.248	-0.245	-0.124	-0.444	0.0E+0	0.0E+0	1.1E-3	-9.9E-4	5.3E-5	-7.1E-5
738	0.078	-0.080	0.182	-0.191	-0.085	-0.456	0.0E+0	0.0E+0	9.2E-4	-8.8E-4	5.5E-5	-8.8E-5
739	0.138	-0.143	0.230	-0.233	-0.091	-0.466	0.0E+0	0.0E+0	9.9E-4	-9.2E-4	2.1E-5	-5.5E-5
740	0.124	-0.126	0.212	-0.223	-0.068	-0.489	0.0E+0	0.0E+0	9.4E-4	-8.7E-4	5.3E-5	-9.6E-5
741	0.159	-0.160	0.236	-0.204	-0.197	-0.464	0.0E+0	0.0E+0	6.1E-4	-5.2E-4	3.1E-4	-2.6E-4
742	0.132	-0.138	0.231	-0.207	-0.245	-0.397	0.0E+0	0.0E+0	8.7E-4	-7.8E-4	2.7E-4	-2.4E-4
743	0.112	-0.120	0.227	-0.210	-0.270	-0.353	0.0E+0	0.0E+0	1.0E-3	-9.3E-4	1.7E-4	-1.6E-4
744	0.123	-0.132	0.235	-0.227	-0.180	-0.407	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	5.1E-5	-6.4E-5
745	0.063	-0.069	0.189	-0.191	-0.172	-0.395	0.0E+0	0.0E+0	1.1E-3	-9.9E-4	5.0E-5	-5.7E-5
746	0.038	-0.042	0.169	-0.175	-0.153	-0.399	0.0E+0	0.0E+0	1.0E-3	-9.8E-4	5.1E-5	-5.6E-5
747	0.162	-0.171	0.254	-0.251	-0.109	-0.453	0.0E+0	0.0E+0	1.0E-3	-9.6E-4	3.5E-5	-5.6E-5
748	0.078	-0.076	0.175	-0.186	-0.063	-0.478	0.0E+0	0.0E+0	8.6E-4	-8.3E-4	8.8E-5	-1.3E-4
749	0.151	-0.155	0.280	-0.245	-0.196	-0.511	0.0E+0	0.0E+0	3.8E-4	-3.6E-4	3.3E-4	-3.6E-4
750	0.125	-0.126	0.276	-0.250	-0.244	-0.448	0.0E+0	0.0E+0	6.9E-4	-7.0E-4	2.4E-4	-2.7E-4
751	0.106	-0.105	0.273	-0.253	-0.279	-0.395	0.0E+0	0.0E+0	8.7E-4	-8.8E-4	1.6E-4	-1.6E-4
752	0.098	-0.097	0.269	-0.255	-0.276	-0.379	0.0E+0	0.0E+0	9.7E-4	-9.7E-4	6.8E-5	-6.3E-5
753	0.098	-0.098	0.265	-0.257	-0.220	-0.415	0.0E+0	0.0E+0	1.0E-3	-1.0E-3	7.3E-5	-6.2E-5
754	0.104	-0.105	0.261	-0.258	-0.150	-0.463	0.0E+0	0.0E+0	1.0E-3	-9.9E-4	9.0E-5	-7.1E-5
755	0.109	-0.114	0.257	-0.262	-0.076	-0.516	0.0E+0	0.0E+0	9.6E-4	-9.3E-4	7.4E-5	-3.6E-5
756	0.183	-0.188	0.260	-0.215	-0.141	-0.545	1.2E-3	-9.4E-4	0.0E+0	0.0E+0	2.4E-4	-2.3E-4
757	0.186	-0.190	0.278	-0.231	-0.151	-0.546	1.2E-3	-9.3E-4	0.0E+0	0.0E+0	2.3E-4	-2.2E-4
758	0.184	-0.193	0.351	-0.288	-0.151	-0.553	1.2E-3	-9.2E-4	0.0E+0	0.0E+0	1.9E-4	-2.0E-4
759	0.188	-0.194	0.315	-0.260	-0.152	-0.551	1.2E-3	-9.2E-4	0.0E+0	0.0E+0	2.0E-4	-1.9E-4
760	0.182	-0.187	0.323	-0.269	-0.148	-0.572	1.1E-3	-9.1E-4	0.0E+0	0.0E+0	5.9E-5	-8.2E-5
761	0.182	-0.187	0.349	-0.289	-0.148	-0.580	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	8.2E-5	-1.1E-4
762	0.177	-0.179	0.251	-0.207	-0.140	-0.544	1.1E-3	-8.6E-4	0.0E+0	0.0E+0	1.5E-4	-1.3E-4
763	0.183	-0.197	0.346	-0.283	-0.145	-0.556	1.2E-3	-9.2E-4	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
764	0.188	-0.197	0.307	-0.252	-0.145	-0.552	1.2E-3	-9.3E-4	0.0E+0	0.0E+0	2.5E-4	-2.4E-4
765	0.299	-1.063	0.687	-1.123	-0.285	-0.620	0.0E+0	0.0E+0	1.8E-3	-9.7E-4	2.6E-4	-1.3E-4
766	0.209	-0.891	0.558	-0.939	-0.287	-0.593	0.0E+0	0.0E+0	1.8E-3	-8.7E-4	2.6E-4	-1.7E-4
767	0.141	-0.722	0.430	-0.750	-0.278	-0.571	0.0E+0	0.0E+0	1.9E-3	-6.9E-4	2.1E-4	-1.4E-4
768	0.091	-0.548	0.315	-0.565	-0.258	-0.553	0.0E+0	0.0E+0	1.8E-3	-4.4E-4	1.8E-4	-8.7E-5
769	0.325	-1.004	0.708	-1.094	0.204	-0.733	0.0E+0	0.0E+0	1.6E-3	-5.8E-4	2.2E-4	-1.5E-4
770	0.270	-0.851	0.588	-0.897	0.194	-0.711	0.0E+0	0.0E+0	1.6E-3	-5.6E-4	1.7E-4	-8.9E-5
771	0.218	-0.695	0.469	-0.708	0.176	-0.680	0.0E+0	0.0E+0	1.6E-3	-5.3E-4	1.3E-4	-5.1E-5
772	0.168	-0.536	0.358	-0.529	0.151	-0.638	0.0E+0	0.0E+0	1.7E-3	-5.0E-4	1.2E-4	-5.0E-5
773	0.125	-0.538	0.335	-0.532	-0.269	-0.449	0.0E+0	0.0E+0	1.8E-3	-5.9E-4	1.7E-4	2.6E-5
774	0.182	-0.706	0.447	-0.708	-0.272	-0.479	0.0E+0	0.0E+0	1.8E-3	-6.6E-4	1.6E-4	2.2E-5
775	0.246	-0.873	0.568	-0.898	-0.281	-0.498	0.0E+0	0.0E+0	1.7E-3	-7.1E-4	2.1E-4	-2.9E-5
776	0.317	-1.041	0.693	-1.095	-0.299	-0.505	0.0E+0	0.0E+0	1.7E-3	-7.4E-4	2.8E-4	-9.7E-5
777	0.293	-0.361	0.224	-0.290	-0.124	-0.614	0.0E+0	0.0E+0	9.8E-4	-9.5E-4	5.1E-5	-3.4E-4
778	0.396	-0.463	0.358	-0.484	-0.129	-0.660	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	-2.1E-5	-3.4E-4
779	0.511	-0.575	0.523	-0.722	-0.135	-0.699	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	-1.3E-4	-3.1E-4
780	0.630	-0.681	0.698	-0.983	-0.144	-0.728	0.0E+0	0.0E+0	1.0E-3	-1.2E-3	-1.2E-4	-4.2E-4
781	0.159	-0.533	0.347	-0.523	0.002	-0.549	0.0E+0	0.0E+0	1.7E-3	-5.2E-4	1.3E-4	-3.9E-5



782	0.148	-0.532	0.341	-0.523	-0.137	-0.469	0.0E+0	0.0E+0	1.7E-3	-5.3E-4	1.3E-4	-9.1E-6
783	0.137	-0.534	0.336	-0.525	-0.274	-0.389	0.0E+0	0.0E+0	1.8E-3	-5.6E-4	1.4E-4	2.0E-5
784	0.323	-1.009	0.704	-1.092	0.029	-0.627	0.0E+0	0.0E+0	1.6E-3	-6.1E-4	2.4E-4	-1.4E-4
785	0.265	-0.854	0.581	-0.895	0.023	-0.607	0.0E+0	0.0E+0	1.6E-3	-5.9E-4	1.8E-4	-7.4E-5
786	0.210	-0.695	0.460	-0.703	0.014	-0.581	0.0E+0	0.0E+0	1.7E-3	-5.5E-4	1.4E-4	-3.5E-5
787	0.202	-0.697	0.454	-0.702	-0.139	-0.490	0.0E+0	0.0E+0	1.7E-3	-5.9E-4	1.5E-4	-1.5E-5
788	0.192	-0.701	0.450	-0.704	-0.286	-0.404	0.0E+0	0.0E+0	1.7E-3	-6.3E-4	1.6E-4	4.7E-6
789	0.319	-1.015	0.700	-1.092	-0.138	-0.528	0.0E+0	0.0E+0	1.6E-3	-6.6E-4	2.5E-4	-1.2E-4
790	0.259	-0.858	0.576	-0.894	-0.139	-0.511	0.0E+0	0.0E+0	1.7E-3	-6.3E-4	1.9E-4	-5.8E-5
791	0.252	-0.864	0.572	-0.895	-0.296	-0.418	0.0E+0	0.0E+0	1.7E-3	-6.8E-4	2.0E-4	-4.3E-5
792	0.318	-1.027	0.699	-1.095	-0.303	-0.432	0.0E+0	0.0E+0	1.7E-3	-7.1E-4	2.6E-4	-1.1E-4
793	0.310	-1.073	0.637	-1.105	-0.040	-0.793	1.3E-3	-1.9E-3	0.0E+0	0.0E+0	3.1E-4	-1.5E-4
794	0.223	-0.898	0.513	-0.924	-0.031	-0.754	1.3E-3	-1.9E-3	0.0E+0	0.0E+0	2.9E-4	-1.4E-4
795	0.148	-0.719	0.392	-0.740	-0.027	-0.707	1.2E-3	-1.9E-3	0.0E+0	0.0E+0	2.6E-4	-1.1E-4
796	0.095	-0.544	0.282	-0.558	-0.028	-0.652	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	2.4E-4	-1.1E-4
797	0.633	-0.665	0.640	-1.010	-0.254	-0.436	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	1.9E-4	-2.3E-4
798	0.431	-0.492	0.535	-0.843	-0.225	-0.412	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	1.6E-4	-1.9E-4
799	0.257	-0.331	0.429	-0.677	-0.206	-0.378	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	1.2E-4	-1.6E-4
800	0.122	-0.191	0.323	-0.510	-0.195	-0.332	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	8.3E-5	-1.2E-4
801	0.116	-0.197	0.328	-0.518	-0.235	-0.300	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	8.4E-5	-1.2E-4
802	0.252	-0.336	0.437	-0.687	-0.251	-0.329	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	1.2E-4	-1.6E-4
803	0.426	-0.497	0.545	-0.856	-0.267	-0.357	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	1.6E-4	-1.9E-4
804	0.628	-0.670	0.653	-1.025	-0.290	-0.375	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	1.9E-4	-2.3E-4
805	0.819	-0.507	0.702	-0.872	-0.323	-0.413	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	1.6E-4	-1.4E-4
806	0.594	-0.384	0.595	-0.737	-0.293	-0.387	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	8.8E-5	-7.6E-5
807	0.386	-0.256	0.487	-0.601	-0.270	-0.353	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	1.3E-4	-1.2E-4
808	0.218	-0.144	0.377	-0.464	-0.240	-0.323	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	1.9E-4	-1.8E-4
809	0.212	-0.150	0.369	-0.455	-0.198	-0.334	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	1.8E-4	-1.7E-4
810	0.381	-0.261	0.484	-0.598	-0.204	-0.373	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	1.3E-4	-1.2E-4
811	0.589	-0.389	0.598	-0.739	-0.218	-0.401	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	8.6E-5	-7.4E-5
812	0.814	-0.512	0.711	-0.879	-0.240	-0.418	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	1.6E-4	-1.4E-4
813	0.308	-0.333	0.472	-0.437	0.000	-0.636	1.2E-3	-8.9E-4	0.0E+0	0.0E+0	5.9E-5	-4.0E-5
814	0.421	-0.458	0.586	-0.521	0.000	-0.673	1.2E-3	-8.9E-4	0.0E+0	0.0E+0	1.2E-4	-7.3E-5
815	0.536	-0.594	0.704	-0.609	-0.004	-0.705	1.2E-3	-9.2E-4	0.0E+0	0.0E+0	1.8E-4	-1.0E-4
816	0.650	-0.736	0.824	-0.700	-0.011	-0.732	1.2E-3	-9.6E-4	0.0E+0	0.0E+0	2.4E-4	-1.3E-4
817	0.088	-0.549	0.299	-0.565	-0.115	-0.670	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	1.8E-4	-7.7E-5
818	0.141	-0.723	0.411	-0.749	-0.116	-0.708	1.3E-3	-1.9E-3	0.0E+0	0.0E+0	2.3E-4	-1.0E-4
819	0.216	-0.901	0.536	-0.935	-0.119	-0.743	1.3E-3	-1.9E-3	0.0E+0	0.0E+0	2.8E-4	-1.4E-4
820	0.304	-1.077	0.662	-1.118	-0.124	-0.774	1.3E-3	-1.9E-3	0.0E+0	0.0E+0	3.3E-4	-1.7E-4
821	0.311	-0.329	0.469	-0.435	-0.004	-0.626	1.2E-3	-8.8E-4	0.0E+0	0.0E+0	5.8E-5	-3.3E-5
822	0.424	-0.455	0.580	-0.517	-0.004	-0.659	1.2E-3	-8.8E-4	0.0E+0	0.0E+0	1.2E-4	-7.6E-5
823	0.539	-0.591	0.695	-0.604	-0.007	-0.688	1.2E-3	-9.2E-4	0.0E+0	0.0E+0	1.8E-4	-1.1E-4
824	0.653	-0.734	0.812	-0.694	-0.011	-0.713	1.2E-3	-9.5E-4	0.0E+0	0.0E+0	2.4E-4	-1.3E-4
825	0.594	-0.711	0.705	-0.979	-0.046	-0.713	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	-1.5E-4	-4.3E-4
826	0.480	-0.599	0.529	-0.716	-0.049	-0.684	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	-1.4E-4	-3.3E-4
827	0.371	-0.483	0.366	-0.477	-0.062	-0.642	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	-4.7E-5	-3.3E-4
828	0.279	-0.382	0.234	-0.283	-0.084	-0.585	0.0E+0	0.0E+0	9.8E-4	-9.4E-4	-4.0E-5	-2.8E-4
829	0.189	-0.457	0.327	-0.259	-0.197	-0.444	0.0E+0	0.0E+0	1.5E-3	-5.2E-4	-6.5E-5	-2.5E-4
830	0.245	-0.605	0.500	-0.406	-0.204	-0.464	0.0E+0	0.0E+0	1.6E-3	-6.5E-4	-5.3E-5	-2.2E-4
831	0.312	-0.756	0.700	-0.584	-0.199	-0.494	0.0E+0	0.0E+0	1.6E-3	-7.3E-4	2.2E-6	-2.6E-4
832	0.385	-0.908	0.918	-0.784	-0.204	-0.510	0.0E+0	0.0E+0	1.5E-3	-7.6E-4	6.7E-5	-3.3E-4
833	0.178	-0.465	0.322	-0.250	-0.213	-0.445	0.0E+0	0.0E+0	1.5E-3	-5.4E-4	-6.5E-5	-2.4E-4
834	0.236	-0.612	0.498	-0.400	-0.228	-0.455	0.0E+0	0.0E+0	1.6E-3	-6.5E-4	-5.6E-5	-2.2E-4
835	0.303	-0.763	0.700	-0.580	-0.241	-0.464	0.0E+0	0.0E+0	1.6E-3	-7.3E-4	-2.3E-6	-2.6E-4
836	0.376	-0.914	0.920	-0.783	-0.251	-0.473	0.0E+0	0.0E+0	1.5E-3	-7.6E-4	5.7E-5	-3.2E-4
837	0.625	-0.672	0.729	-0.902	-0.340	-0.543	1.8E-3	-2.6E-3	0.0E+0	0.0E+0	-1.9E-4	-4.4E-4
838	0.508	-0.562	0.561	-0.667	-0.329	-0.499	1.8E-3	-2.5E-3	0.0E+0	0.0E+0	-1.7E-4	-3.6E-4
839	0.397	-0.451	0.402	-0.453	-0.310	-0.468	1.6E-3	-2.1E-3	0.0E+0	0.0E+0	-1.4E-4	-2.7E-4
840	0.297	-0.348	0.272	-0.287	-0.281	-0.448	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	-4.2E-5	-2.4E-4
841	0.681	-0.663	0.832	-0.728	-0.336	-0.628	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	-1.6E-4	-4.1E-4
842	0.571	-0.553	0.695	-0.604	-0.302	-0.619	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	-1.3E-4	-3.3E-4
843	0.451	-0.438	0.561	-0.482	-0.278	-0.599	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	-2.1E-5	-3.4E-4
844	0.334	-0.331	0.432	-0.367	-0.271	-0.558	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	9.5E-5	-3.5E-4
845	0.316	-0.352	0.341	-0.348	-0.256	-0.548	1.4E-3	-1.6E-3	0.0E+0	0.0E+0	1.6E-4	-3.6E-4
846	0.427	-0.458	0.482	-0.508	-0.264	-0.594	1.5E-3	-1.7E-3	0.0E+0	0.0E+0	2.4E-5	-3.4E-4
847	0.544	-0.569	0.628	-0.679	-0.290	-0.617	1.5E-3	-1.8E-3	0.0E+0	0.0E+0	-1.2E-4	-3.3E-4
848	0.654	-0.672	0.775	-0.859	-0.335	-0.621	1.5E-3	-1.9E-3	0.0E+0	0.0E+0	-1.6E-4	-4.4E-4
849	0.253	-0.266	0.493	-0.417	-0.190	-0.609	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	1.0E-4	-1.5E-4
850	0.365	-0.367	0.610	-0.517	-0.194	-0.653	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	7.6E-5	-1.5E-4
851	0.499	-0.490	0.724	-0.609	-0.211	-0.688	1.3E-3	-9.8E-4	0.0E+0	0.0E+0	9.9E-5	-2.0E-4
852	0.638	-0.622	0.846	-0.696	-0.240	-0.713	1.3E-3	-8.7E-4	0.0E+0	0.0E+0	1.1E-4	-2.6E-4
853	0.290	-0.354	0.251	-0.288	-0.206	-0.523	1.2E-3	-1.6E-3	0.0E+0	0.0E+0	8.9E-5	-3.3E-4



854	0.392	-0.459	0.383	-0.470	-0.221	-0.553	1.6E-3	-2.2E-3	0.0E+0	0.0E+0	-6.0E-5	-3.2E-4
855	0.504	-0.572	0.543	-0.695	-0.234	-0.586	1.9E-3	-2.6E-3	0.0E+0	0.0E+0	-1.8E-4	-3.2E-4
856	0.623	-0.683	0.714	-0.942	-0.243	-0.621	1.8E-3	-2.7E-3	0.0E+0	0.0E+0	-1.5E-4	-4.5E-4
857	0.567	-0.560	0.679	-0.623	-0.350	-0.568	1.4E-3	-1.4E-3	0.0E+0	0.0E+0	-1.3E-4	-3.3E-4
858	0.560	-0.563	0.662	-0.642	-0.375	-0.539	1.5E-3	-1.5E-3	0.0E+0	0.0E+0	-1.3E-4	-3.4E-4
859	0.552	-0.566	0.645	-0.661	-0.366	-0.545	1.5E-3	-1.7E-3	0.0E+0	0.0E+0	-1.2E-4	-3.3E-4
860	0.708	-0.702	0.851	-0.836	-0.402	-0.568	1.4E-3	-1.5E-3	0.0E+0	0.0E+0	-1.8E-4	-5.3E-4
861	0.638	-0.637	0.757	-0.740	-0.390	-0.554	1.5E-3	-1.5E-3	0.0E+0	0.0E+0	-1.8E-4	-3.7E-4
862	0.628	-0.637	0.741	-0.768	-0.387	-0.556	1.5E-3	-1.7E-3	0.0E+0	0.0E+0	-1.8E-4	-3.8E-4
863	0.693	-0.697	0.828	-0.869	-0.406	-0.565	1.4E-3	-1.7E-3	0.0E+0	0.0E+0	-1.7E-4	-5.0E-4
864	0.318	-0.340	0.364	-0.355	-0.324	-0.487	1.4E-3	-1.5E-3	0.0E+0	0.0E+0	1.2E-4	-3.4E-4
865	0.432	-0.452	0.503	-0.503	-0.340	-0.522	1.5E-3	-1.6E-3	0.0E+0	0.0E+0	9.6E-6	-3.4E-4
866	0.322	-0.331	0.408	-0.363	-0.311	-0.512	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	1.1E-4	-3.5E-4
867	0.320	-0.336	0.386	-0.360	-0.332	-0.488	1.4E-3	-1.4E-3	0.0E+0	0.0E+0	1.1E-4	-3.4E-4
868	0.438	-0.446	0.522	-0.497	-0.353	-0.514	1.4E-3	-1.5E-3	0.0E+0	0.0E+0	-5.8E-7	-3.4E-4
869	0.444	-0.442	0.542	-0.490	-0.331	-0.541	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	-1.1E-5	-3.4E-4
870	0.687	-0.677	0.826	-0.752	-0.357	-0.605	1.4E-3	-1.4E-3	0.0E+0	0.0E+0	-1.7E-4	-4.4E-4
871	0.707	-0.699	0.851	-0.803	-0.379	-0.588	1.5E-3	-1.4E-3	0.0E+0	0.0E+0	-1.8E-4	-5.0E-4
872	0.639	-0.634	0.762	-0.722	-0.374	-0.570	1.4E-3	-1.5E-3	0.0E+0	0.0E+0	-1.8E-4	-3.7E-4
873	0.254	-0.257	0.496	-0.416	-0.183	-0.621	1.2E-3	-9.7E-4	0.0E+0	0.0E+0	1.0E-4	-1.4E-4
874	0.371	-0.360	0.606	-0.508	-0.195	-0.658	1.2E-3	-9.8E-4	0.0E+0	0.0E+0	8.8E-5	-1.4E-4
875	0.507	-0.486	0.716	-0.595	-0.211	-0.692	1.2E-3	-9.5E-4	0.0E+0	0.0E+0	1.2E-4	-1.8E-4
876	0.648	-0.620	0.839	-0.681	-0.230	-0.723	1.3E-3	-8.2E-4	0.0E+0	0.0E+0	1.6E-4	-2.3E-4
877	0.371	-0.915	0.910	-0.725	-0.152	-0.448	2.2E-3	-2.1E-3	0.0E+0	0.0E+0	5.2E-5	-3.4E-4
878	0.300	-0.764	0.701	-0.533	-0.145	-0.432	2.2E-3	-2.0E-3	0.0E+0	0.0E+0	6.7E-5	-3.4E-4
879	0.234	-0.613	0.504	-0.359	-0.139	-0.412	2.0E-3	-1.7E-3	0.0E+0	0.0E+0	7.8E-5	-3.4E-4
880	0.175	-0.467	0.336	-0.219	-0.134	-0.388	1.5E-3	-1.2E-3	0.0E+0	0.0E+0	8.0E-5	-3.2E-4
881	0.608	-0.616	1.061	-0.546	-0.261	-0.337	1.8E-3	-9.5E-4	0.0E+0	0.0E+0	1.8E-4	-2.2E-4
882	0.466	-0.463	0.886	-0.455	-0.251	-0.328	1.8E-3	-9.6E-4	0.0E+0	0.0E+0	1.4E-4	-1.7E-4
883	0.330	-0.320	0.710	-0.364	-0.254	-0.303	1.8E-3	-9.5E-4	0.0E+0	0.0E+0	9.4E-5	-1.3E-4
884	0.216	-0.206	0.535	-0.273	-0.257	-0.277	1.8E-3	-9.4E-4	0.0E+0	0.0E+0	5.2E-5	-8.9E-5
885	0.209	-0.213	0.541	-0.285	-0.117	-0.413	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	4.3E-5	-8.0E-5
886	0.323	-0.327	0.722	-0.382	-0.105	-0.457	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	9.0E-5	-1.3E-4
887	0.460	-0.469	0.905	-0.480	-0.106	-0.486	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	1.4E-4	-1.7E-4
888	0.602	-0.621	1.088	-0.579	-0.120	-0.500	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	1.8E-4	-2.2E-4
889	0.621	-0.613	1.029	-0.462	-0.288	-0.374	1.7E-3	-7.5E-4	0.0E+0	0.0E+0	1.7E-4	-2.3E-4
890	0.477	-0.465	0.863	-0.391	-0.262	-0.374	1.7E-3	-7.6E-4	0.0E+0	0.0E+0	1.3E-4	-1.9E-4
891	0.338	-0.323	0.696	-0.317	-0.252	-0.357	1.7E-3	-7.7E-4	0.0E+0	0.0E+0	9.5E-5	-1.5E-4
892	0.221	-0.207	0.528	-0.242	-0.257	-0.324	1.8E-3	-7.9E-4	0.0E+0	0.0E+0	5.7E-5	-1.1E-4
893	0.218	-0.219	0.537	-0.260	-0.163	-0.415	1.8E-3	-8.4E-4	0.0E+0	0.0E+0	6.5E-5	-1.2E-4
894	0.335	-0.336	0.710	-0.341	-0.141	-0.469	1.8E-3	-8.2E-4	0.0E+0	0.0E+0	1.0E-4	-1.6E-4
895	0.475	-0.478	0.883	-0.420	-0.134	-0.505	1.8E-3	-8.1E-4	0.0E+0	0.0E+0	1.4E-4	-2.0E-4
896	0.619	-0.623	1.054	-0.498	-0.142	-0.523	1.8E-3	-7.9E-4	0.0E+0	0.0E+0	1.8E-4	-2.4E-4
897	0.641	-0.609	1.002	-0.423	-0.174	-0.473	1.6E-3	-6.8E-4	0.0E+0	0.0E+0	1.8E-4	-2.4E-4
898	0.495	-0.459	0.844	-0.358	-0.174	-0.456	1.7E-3	-6.9E-4	0.0E+0	0.0E+0	1.4E-4	-2.0E-4
899	0.337	-0.309	0.684	-0.291	-0.186	-0.422	1.7E-3	-7.0E-4	0.0E+0	0.0E+0	9.8E-5	-1.5E-4
900	0.207	-0.189	0.521	-0.223	-0.210	-0.370	1.7E-3	-7.3E-4	0.0E+0	0.0E+0	5.7E-5	-1.1E-4
901	0.196	-0.187	0.526	-0.233	-0.274	-0.297	1.7E-3	-7.4E-4	0.0E+0	0.0E+0	7.1E-5	-1.2E-4
902	0.329	-0.308	0.692	-0.304	-0.286	-0.314	1.7E-3	-7.2E-4	0.0E+0	0.0E+0	1.1E-4	-1.6E-4
903	0.485	-0.457	0.855	-0.374	-0.309	-0.325	1.7E-3	-7.0E-4	0.0E+0	0.0E+0	1.4E-4	-2.0E-4
904	0.636	-0.609	1.016	-0.442	-0.305	-0.353	1.7E-3	-6.9E-4	0.0E+0	0.0E+0	1.8E-4	-2.4E-4
905	0.621	-0.622	0.994	-0.367	-0.311	-0.355	1.6E-3	-5.4E-4	0.0E+0	0.0E+0	1.8E-4	-2.3E-4
906	0.468	-0.472	0.837	-0.314	-0.279	-0.358	1.6E-3	-5.6E-4	0.0E+0	0.0E+0	1.4E-4	-1.9E-4
907	0.321	-0.320	0.678	-0.260	-0.256	-0.351	1.7E-3	-5.9E-4	0.0E+0	0.0E+0	9.9E-5	-1.5E-4
908	0.202	-0.193	0.516	-0.202	-0.245	-0.332	1.7E-3	-6.4E-4	0.0E+0	0.0E+0	5.9E-5	-1.1E-4
909	0.203	-0.203	0.521	-0.211	-0.248	-0.334	1.7E-3	-6.4E-4	0.0E+0	0.0E+0	7.3E-5	-1.3E-4
910	0.321	-0.327	0.686	-0.272	-0.229	-0.383	1.7E-3	-6.0E-4	0.0E+0	0.0E+0	1.1E-4	-1.6E-4
911	0.468	-0.479	0.847	-0.330	-0.220	-0.418	1.7E-3	-5.7E-4	0.0E+0	0.0E+0	1.4E-4	-2.0E-4
912	0.622	-0.631	1.007	-0.385	-0.220	-0.438	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	1.8E-4	-2.4E-4
913	0.644	-0.614	0.999	-0.355	-0.102	-0.572	1.6E-3	-5.2E-4	0.0E+0	0.0E+0	1.7E-4	-2.3E-4
914	0.508	-0.479	0.843	-0.303	-0.093	-0.556	1.6E-3	-5.4E-4	0.0E+0	0.0E+0	1.3E-4	-1.9E-4
915	0.374	-0.347	0.685	-0.250	-0.096	-0.526	1.7E-3	-5.7E-4	0.0E+0	0.0E+0	9.1E-5	-1.4E-4
916	0.257	-0.233	0.523	-0.193	-0.110	-0.481	1.7E-3	-6.1E-4	0.0E+0	0.0E+0	5.1E-5	-1.0E-4
917	0.245	-0.237	0.518	-0.197	-0.278	-0.310	1.7E-3	-6.1E-4	0.0E+0	0.0E+0	8.3E-5	-1.3E-4
918	0.362	-0.351	0.681	-0.254	-0.303	-0.319	1.7E-3	-5.8E-4	0.0E+0	0.0E+0	1.2E-4	-1.7E-4
919	0.497	-0.482	0.840	-0.309	-0.318	-0.334	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	1.5E-4	-2.0E-4
920	0.634	-0.616	0.995	-0.361	-0.323	-0.349	1.6E-3	-5.3E-4	0.0E+0	0.0E+0	1.8E-4	-2.4E-4
921	0.564	-0.692	1.152	-0.193	-0.175	-0.393	1.9E-3	-2.6E-4	0.0E+0	0.0E+0	1.7E-4	-2.2E-4
922	0.444	-0.551	0.968	-0.167	-0.162	-0.382	1.9E-3	-2.8E-4	0.0E+0	0.0E+0	1.3E-4	-1.8E-4
923	0.329	-0.413	0.782	-0.138	-0.156	-0.361	1.9E-3	-3.1E-4	0.0E+0	0.0E+0	9.3E-5	-1.4E-4
924	0.230	-0.290	0.594	-0.107	-0.158	-0.330	2.0E-3	-3.4E-4	0.0E+0	0.0E+0	5.3E-5	-9.8E-5
925	0.223	-0.297	0.589	-0.110	-0.191	-0.339	2.0E-3	-3.4E-4	0.0E+0	0.0E+0	6.9E-5	-1.1E-4



926	0.322	-0.420	0.779	-0.142	-0.187	-0.368	1.9E-3	-3.2E-4	0.0E+0	0.0E+0	1.1E-4	-1.5E-4
927	0.438	-0.557	0.965	-0.171	-0.192	-0.388	1.9E-3	-2.9E-4	0.0E+0	0.0E+0	1.5E-4	-2.0E-4
928	0.558	-0.697	1.149	-0.198	-0.203	-0.398	1.9E-3	-2.6E-4	0.0E+0	0.0E+0	1.9E-4	-2.4E-4
929	0.565	-0.064	0.626	0.014	-0.188	-0.341	2.1E-3	7.1E-6	0.0E+0	0.0E+0	1.1E-4	-1.3E-4
930	0.750	-0.090	0.838	0.008	-0.195	-0.363	2.2E-3	-1.3E-4	0.0E+0	0.0E+0	7.3E-5	-9.6E-5
931	0.938	-0.123	1.058	-0.010	-0.206	-0.380	2.3E-3	-2.1E-4	0.0E+0	0.0E+0	1.4E-4	-1.6E-4
932	1.125	-0.160	1.280	-0.031	-0.220	-0.391	2.3E-3	-2.0E-4	0.0E+0	0.0E+0	2.0E-4	-2.2E-4
933	0.169	-0.468	0.334	-0.237	-0.186	-0.413	1.5E-3	-1.2E-3	0.0E+0	0.0E+0	-5.1E-5	-1.9E-4
934	0.229	-0.615	0.504	-0.380	-0.190	-0.433	2.0E-3	-1.8E-3	0.0E+0	0.0E+0	-9.0E-8	-2.6E-4
935	0.297	-0.766	0.702	-0.557	-0.197	-0.450	2.2E-3	-2.0E-3	0.0E+0	0.0E+0	3.6E-5	-3.0E-4
936	0.369	-0.918	0.915	-0.753	-0.205	-0.462	2.3E-3	-2.1E-3	0.0E+0	0.0E+0	6.5E-5	-3.4E-4
937	0.207	-0.204	0.538	-0.279	-0.190	-0.342	1.8E-3	-9.7E-4	0.0E+0	0.0E+0	4.7E-5	-8.4E-5
938	0.324	-0.321	0.716	-0.373	-0.204	-0.356	1.9E-3	-9.8E-4	0.0E+0	0.0E+0	9.2E-5	-1.3E-4
939	0.462	-0.465	0.895	-0.467	-0.217	-0.369	1.9E-3	-9.9E-4	0.0E+0	0.0E+0	1.4E-4	-1.7E-4
940	0.607	-0.620	1.073	-0.561	-0.229	-0.381	1.9E-3	-9.8E-4	0.0E+0	0.0E+0	1.8E-4	-2.2E-4
941	0.213	-0.206	0.532	-0.251	-0.243	-0.336	1.8E-3	-8.2E-4	0.0E+0	0.0E+0	6.0E-5	-1.1E-4
942	0.334	-0.327	0.703	-0.329	-0.249	-0.360	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	9.8E-5	-1.5E-4
943	0.476	-0.471	0.873	-0.405	-0.254	-0.384	1.7E-3	-7.8E-4	0.0E+0	0.0E+0	1.4E-4	-1.9E-4
944	0.622	-0.620	1.041	-0.480	-0.258	-0.406	1.7E-3	-7.7E-4	0.0E+0	0.0E+0	1.8E-4	-2.3E-4
945	0.246	-0.230	0.520	-0.194	-0.193	-0.396	1.7E-3	-6.1E-4	0.0E+0	0.0E+0	6.6E-5	-1.1E-4
946	0.366	-0.347	0.682	-0.252	-0.201	-0.419	1.7E-3	-5.8E-4	0.0E+0	0.0E+0	1.0E-4	-1.5E-4
947	0.502	-0.480	0.841	-0.306	-0.207	-0.440	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	1.4E-4	-1.9E-4
948	0.641	-0.617	0.997	-0.358	-0.212	-0.461	1.6E-3	-5.2E-4	0.0E+0	0.0E+0	1.8E-4	-2.3E-4
949	0.223	-0.290	0.591	-0.108	-0.247	-0.263	2.0E-3	-3.4E-4	0.0E+0	0.0E+0	6.0E-5	-1.1E-4
950	0.324	-0.415	0.780	-0.140	-0.261	-0.278	1.9E-3	-3.1E-4	0.0E+0	0.0E+0	1.0E-4	-1.5E-4
951	0.440	-0.554	0.967	-0.169	-0.273	-0.292	1.9E-3	-2.9E-4	0.0E+0	0.0E+0	1.4E-4	-1.9E-4
952	0.562	-0.696	1.150	-0.195	-0.285	-0.304	1.9E-3	-2.6E-4	0.0E+0	0.0E+0	1.8E-4	-2.3E-4
953	0.568	-0.059	0.636	0.007	-0.277	-0.403	2.1E-3	3.9E-5	0.0E+0	0.0E+0	6.1E-5	-9.0E-5
954	0.753	-0.086	0.845	0.003	-0.288	-0.417	2.2E-3	-1.1E-4	0.0E+0	0.0E+0	8.3E-5	-1.1E-4
955	0.941	-0.119	1.062	-0.012	-0.299	-0.430	2.3E-3	-1.9E-4	0.0E+0	0.0E+0	1.4E-4	-1.6E-4
956	1.129	-0.157	1.281	-0.031	-0.309	-0.440	2.3E-3	-1.9E-4	0.0E+0	0.0E+0	1.9E-4	-2.1E-4
957	0.710	-0.607	0.620	-0.704	-0.058	-0.804	0.0E+0	0.0E+0	1.1E-3	-9.7E-4	2.2E-4	-1.9E-4
958	0.613	-0.501	0.507	-0.573	-0.051	-0.775	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	2.4E-4	-1.7E-4
959	0.511	-0.399	0.397	-0.441	-0.052	-0.733	0.0E+0	0.0E+0	1.0E-3	-1.0E-3	2.2E-4	-1.6E-4
960	0.413	-0.305	0.302	-0.322	-0.058	-0.684	0.0E+0	0.0E+0	9.2E-4	-9.7E-4	1.8E-4	-1.1E-4
961	0.575	-0.058	0.639	-0.003	-0.180	-0.373	0.0E+0	0.0E+0	1.9E-4	-1.9E-3	4.6E-5	-6.9E-5
962	0.759	-0.082	0.846	-0.005	-0.191	-0.386	0.0E+0	0.0E+0	3.1E-4	-1.9E-3	8.7E-5	-1.2E-4
963	0.948	-0.116	1.061	-0.017	-0.203	-0.396	0.0E+0	0.0E+0	3.9E-4	-2.0E-3	1.4E-4	-1.8E-4
964	1.135	-0.156	1.279	-0.033	-0.215	-0.403	0.0E+0	0.0E+0	4.1E-4	-1.9E-3	1.9E-4	-2.3E-4
965	0.574	-0.058	0.640	0.002	-0.246	-0.446	0.0E+0	0.0E+0	1.9E-4	-1.9E-3	5.4E-5	-7.1E-5
966	0.758	-0.083	0.847	-0.001	-0.257	-0.458	0.0E+0	0.0E+0	3.1E-4	-1.9E-3	9.1E-5	-1.2E-4
967	0.946	-0.117	1.063	-0.014	-0.267	-0.469	0.0E+0	0.0E+0	3.8E-4	-2.0E-3	1.4E-4	-1.7E-4
968	1.133	-0.155	1.281	-0.032	-0.276	-0.477	0.0E+0	0.0E+0	4.0E-4	-1.9E-3	1.9E-4	-2.2E-4
969	0.744	-0.584	0.619	-0.718	-0.205	-0.630	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	2.1E-6	-4.2E-4
970	0.641	-0.479	0.524	-0.608	-0.197	-0.605	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	6.7E-6	-3.6E-4
971	0.532	-0.379	0.429	-0.496	-0.190	-0.580	0.0E+0	0.0E+0	1.0E-3	-1.2E-3	3.5E-5	-3.2E-4
972	0.420	-0.285	0.335	-0.384	-0.183	-0.552	0.0E+0	0.0E+0	9.3E-4	-1.2E-3	7.3E-5	-2.7E-4
973	0.408	-0.305	0.285	-0.324	-0.116	-0.655	0.0E+0	0.0E+0	9.3E-4	-9.6E-4	1.9E-4	-1.5E-4
974	0.506	-0.401	0.383	-0.442	-0.119	-0.695	0.0E+0	0.0E+0	1.0E-3	-1.1E-3	2.2E-4	-1.7E-4
975	0.610	-0.505	0.495	-0.574	-0.123	-0.729	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	2.2E-4	-1.8E-4
976	0.711	-0.612	0.609	-0.705	-0.127	-0.755	0.0E+0	0.0E+0	1.1E-3	-9.9E-4	2.3E-4	-1.9E-4
977	0.765	-0.564	0.617	-0.723	-0.253	-0.589	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	-1.2E-5	-4.4E-4
978	0.655	-0.458	0.519	-0.612	-0.246	-0.570	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	-1.2E-5	-3.8E-4
979	0.540	-0.358	0.423	-0.499	-0.239	-0.548	0.0E+0	0.0E+0	1.0E-3	-1.2E-3	1.5E-5	-3.4E-4
980	0.420	-0.266	0.326	-0.385	-0.231	-0.524	0.0E+0	0.0E+0	9.2E-4	-1.3E-3	5.0E-5	-2.9E-4
981	0.791	-0.546	0.613	-0.723	-0.290	-0.557	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	-3.4E-5	-4.6E-4
982	0.677	-0.440	0.516	-0.615	-0.285	-0.542	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	-3.8E-5	-4.1E-4
983	0.557	-0.341	0.419	-0.503	-0.277	-0.524	0.0E+0	0.0E+0	9.9E-4	-1.3E-3	-1.5E-5	-3.7E-4
984	0.430	-0.250	0.328	-0.394	-0.269	-0.503	0.0E+0	0.0E+0	9.1E-4	-1.3E-3	1.2E-5	-3.1E-4
985	0.444	-0.233	0.329	-0.404	-0.275	-0.513	0.0E+0	0.0E+0	8.8E-4	-1.4E-3	-3.1E-5	-3.3E-4
986	0.461	-0.213	0.330	-0.413	-0.232	-0.571	0.0E+0	0.0E+0	8.4E-4	-1.5E-3	-7.2E-5	-3.3E-4
987	0.479	-0.192	0.330	-0.420	-0.176	-0.644	0.0E+0	0.0E+0	8.0E-4	-1.5E-3	-1.1E-4	-3.3E-4
988	0.823	-0.529	0.611	-0.724	-0.296	-0.560	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	-5.7E-5	-4.8E-4
989	0.703	-0.422	0.513	-0.617	-0.290	-0.547	0.0E+0	0.0E+0	1.1E-3	-1.3E-3	-6.8E-5	-4.3E-4
990	0.577	-0.322	0.419	-0.510	-0.283	-0.532	0.0E+0	0.0E+0	9.8E-4	-1.3E-3	-5.1E-5	-3.9E-4
991	0.599	-0.301	0.418	-0.516	-0.238	-0.590	0.0E+0	0.0E+0	9.7E-4	-1.4E-3	-8.5E-5	-4.0E-4
992	0.623	-0.277	0.418	-0.522	-0.179	-0.662	0.0E+0	0.0E+0	9.7E-4	-1.5E-3	-1.1E-4	-4.0E-4
993	0.856	-0.510	0.609	-0.726	-0.247	-0.618	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	-7.8E-5	-5.0E-4
994	0.732	-0.401	0.512	-0.621	-0.243	-0.606	0.0E+0	0.0E+0	1.1E-3	-1.3E-3	-9.5E-5	-4.5E-4
995	0.761	-0.377	0.511	-0.624	-0.182	-0.677	0.0E+0	0.0E+0	1.1E-3	-1.4E-3	-1.2E-4	-4.6E-4
996	0.891	-0.489	0.608	-0.728	-0.186	-0.689	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	-9.3E-5	-5.1E-4
997	0.647	-0.672	0.744	-0.619	-0.223	-0.665	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	3.1E-4	-1.6E-4



998	0.517	-0.541	0.639	-0.531	-0.178	-0.652	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	2.7E-4	-1.8E-4
999	0.398	-0.415	0.533	-0.443	-0.157	-0.625	1.1E-3	-9.1E-4	0.0E+0	0.0E+0	2.5E-4	-1.9E-4
1000	0.295	-0.302	0.426	-0.354	-0.153	-0.585	1.1E-3	-9.2E-4	0.0E+0	0.0E+0	2.5E-4	-1.9E-4
1001	0.670	-0.629	0.673	-0.668	-0.317	-0.652	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	4.2E-4	-2.8E-5
1002	0.540	-0.495	0.567	-0.557	-0.288	-0.625	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	3.9E-4	-5.5E-5
1003	0.406	-0.357	0.457	-0.445	-0.266	-0.588	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	3.6E-4	-8.2E-5
1004	0.293	-0.245	0.345	-0.333	-0.252	-0.541	1.2E-3	-1.2E-3	0.0E+0	0.0E+0	3.3E-4	-1.1E-4
1005	0.280	-0.261	0.383	-0.337	-0.247	-0.544	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	3.4E-4	-1.0E-4
1006	0.393	-0.374	0.494	-0.440	-0.270	-0.586	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	3.7E-4	-8.4E-5
1007	0.528	-0.510	0.604	-0.542	-0.293	-0.623	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	4.1E-4	-6.2E-5
1008	0.660	-0.643	0.710	-0.643	-0.318	-0.656	1.1E-3	-1.0E-3	0.0E+0	0.0E+0	4.5E-4	-4.1E-5
1009	0.372	-0.310	0.317	-0.332	-0.251	-0.527	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	1.5E-4	-7.1E-5
1010	0.475	-0.410	0.420	-0.449	-0.267	-0.564	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	2.1E-4	-1.1E-4
1011	0.581	-0.515	0.529	-0.570	-0.287	-0.596	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.7E-4	-1.4E-4
1012	0.686	-0.623	0.639	-0.690	-0.313	-0.624	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	3.2E-4	-1.5E-4
1013	0.515	-0.549	0.645	-0.532	-0.204	-0.621	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	2.6E-4	-1.9E-4
1014	0.645	-0.678	0.752	-0.616	-0.220	-0.645	1.1E-3	-8.7E-4	0.0E+0	0.0E+0	3.0E-4	-1.7E-4
1015	0.707	-0.732	0.807	-0.657	-0.223	-0.654	1.1E-3	-8.3E-4	0.0E+0	0.0E+0	3.4E-4	-1.4E-4
1016	0.284	-0.299	0.436	-0.360	-0.178	-0.568	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	2.4E-4	-1.8E-4
1017	0.391	-0.418	0.540	-0.445	-0.186	-0.599	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	2.4E-4	-1.8E-4
1018	0.710	-0.730	0.801	-0.660	-0.252	-0.657	1.1E-3	-9.0E-4	0.0E+0	0.0E+0	3.6E-4	-1.2E-4
1019	0.281	-0.248	0.363	-0.335	-0.263	-0.528	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	3.3E-4	-1.1E-4
1020	0.398	-0.364	0.475	-0.442	-0.288	-0.567	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	3.7E-4	-8.3E-5
1021	0.534	-0.502	0.585	-0.549	-0.312	-0.604	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	4.0E-4	-5.9E-5
1022	0.668	-0.640	0.691	-0.655	-0.333	-0.639	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	4.4E-4	-3.5E-5
1023	0.397	-0.305	0.299	-0.330	-0.168	-0.607	9.2E-4	-1.1E-3	0.0E+0	0.0E+0	2.0E-4	-1.7E-4
1024	0.387	-0.304	0.308	-0.335	-0.211	-0.572	9.6E-4	-1.1E-3	0.0E+0	0.0E+0	1.8E-4	-1.3E-4
1025	0.377	-0.303	0.313	-0.335	-0.237	-0.546	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	1.6E-4	-9.3E-5
1026	0.705	-0.612	0.615	-0.703	-0.189	-0.704	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.5E-4	-1.6E-4
1027	0.603	-0.505	0.505	-0.575	-0.181	-0.676	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	2.5E-4	-1.6E-4
1028	0.498	-0.401	0.396	-0.446	-0.174	-0.643	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.4E-4	-1.7E-4
1029	0.490	-0.402	0.406	-0.450	-0.221	-0.604	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.3E-4	-1.5E-4
1030	0.483	-0.405	0.414	-0.451	-0.252	-0.578	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	2.2E-4	-1.3E-4
1031	0.701	-0.617	0.621	-0.699	-0.243	-0.666	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.9E-4	-1.5E-4
1032	0.597	-0.508	0.513	-0.574	-0.232	-0.636	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.6E-4	-1.5E-4
1033	0.589	-0.511	0.521	-0.573	-0.266	-0.612	1.1E-3	-1.3E-3	0.0E+0	0.0E+0	2.6E-4	-1.4E-4
1034	0.697	-0.621	0.629	-0.694	-0.279	-0.646	1.1E-3	-1.2E-3	0.0E+0	0.0E+0	3.1E-4	-1.4E-4
1035	0.700	-0.682	0.726	-0.631	-0.034	-0.688	1.2E-3	-9.2E-4	0.0E+0	0.0E+0	1.9E-4	-2.8E-4
1036	0.563	-0.558	0.602	-0.540	-0.028	-0.659	1.3E-3	-9.7E-4	0.0E+0	0.0E+0	1.7E-4	-2.3E-4
1037	0.431	-0.434	0.474	-0.445	-0.026	-0.624	1.3E-3	-9.6E-4	0.0E+0	0.0E+0	1.7E-4	-2.0E-4
1038	0.311	-0.314	0.359	-0.356	-0.029	-0.583	1.1E-3	-8.7E-4	0.0E+0	0.0E+0	1.5E-4	-1.7E-4
1039	0.678	-0.629	0.603	-0.742	-0.268	-0.432	9.5E-4	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-2.4E-4
1040	0.484	-0.470	0.509	-0.625	-0.240	-0.409	9.8E-4	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-2.4E-4
1041	0.315	-0.322	0.412	-0.505	-0.221	-0.375	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-2.3E-4
1042	0.177	-0.193	0.314	-0.384	-0.209	-0.332	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-2.4E-4
1043	0.171	-0.199	0.326	-0.397	-0.234	-0.303	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-2.4E-4
1044	0.310	-0.327	0.421	-0.515	-0.248	-0.337	1.0E-3	-1.2E-3	0.0E+0	0.0E+0	2.3E-4	-2.3E-4
1045	0.480	-0.474	0.515	-0.632	-0.265	-0.365	9.8E-4	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-2.4E-4
1046	0.673	-0.634	0.607	-0.746	-0.289	-0.384	9.5E-4	-1.2E-3	0.0E+0	0.0E+0	2.4E-4	-2.5E-4
1047	0.816	-0.497	0.554	-0.793	-0.314	-0.399	8.6E-4	-1.3E-3	0.0E+0	0.0E+0	2.1E-4	-1.6E-4
1048	0.594	-0.355	0.471	-0.671	-0.286	-0.376	8.9E-4	-1.3E-3	0.0E+0	0.0E+0	1.6E-4	-1.1E-4
1049	0.385	-0.212	0.383	-0.545	-0.266	-0.343	9.3E-4	-1.3E-3	0.0E+0	0.0E+0	1.1E-4	-5.2E-5
1050	0.214	-0.096	0.292	-0.416	-0.243	-0.311	9.6E-4	-1.4E-3	0.0E+0	0.0E+0	7.3E-5	-2.0E-5
1051	0.208	-0.102	0.291	-0.411	-0.193	-0.328	9.6E-4	-1.4E-3	0.0E+0	0.0E+0	6.5E-5	-1.2E-5
1052	0.380	-0.217	0.383	-0.542	-0.199	-0.369	9.3E-4	-1.3E-3	0.0E+0	0.0E+0	1.1E-4	-5.9E-5
1053	0.590	-0.359	0.471	-0.668	-0.215	-0.399	8.9E-4	-1.3E-3	0.0E+0	0.0E+0	1.7E-4	-1.1E-4
1054	0.811	-0.502	0.556	-0.791	-0.239	-0.418	8.6E-4	-1.3E-3	0.0E+0	0.0E+0	2.2E-4	-1.7E-4
1055	0.489	-0.178	0.289	-0.449	-0.043	-0.661	8.9E-4	-1.2E-3	0.0E+0	0.0E+0	-1.1E-4	-2.7E-4
1056	0.640	-0.263	0.377	-0.567	-0.049	-0.710	9.3E-4	-1.2E-3	0.0E+0	0.0E+0	-1.4E-4	-3.4E-4
1057	0.784	-0.363	0.469	-0.678	-0.061	-0.751	9.7E-4	-1.1E-3	0.0E+0	0.0E+0	-1.1E-4	-4.4E-4
1058	0.920	-0.475	0.563	-0.784	-0.077	-0.784	9.9E-4	-1.1E-3	0.0E+0	0.0E+0	-8.0E-5	-5.1E-4
1059	0.493	-0.170	0.311	-0.440	-0.099	-0.671	8.8E-4	-1.1E-3	0.0E+0	0.0E+0	-1.2E-4	-2.6E-4
1060	0.645	-0.256	0.398	-0.548	-0.103	-0.703	9.3E-4	-1.1E-3	0.0E+0	0.0E+0	-1.3E-4	-3.5E-4
1061	0.789	-0.357	0.490	-0.654	-0.110	-0.731	9.8E-4	-1.1E-3	0.0E+0	0.0E+0	-1.1E-4	-4.4E-4
1062	0.925	-0.470	0.586	-0.758	-0.118	-0.755	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	-8.1E-5	-5.1E-4
1063	0.659	-0.730	0.779	-0.677	0.065	-0.739	1.2E-3	-9.3E-4	0.0E+0	0.0E+0	2.7E-4	-1.7E-4
1064	0.546	-0.588	0.670	-0.590	0.064	-0.720	1.1E-3	-8.8E-4	0.0E+0	0.0E+0	2.0E-4	-1.2E-4
1065	0.432	-0.451	0.563	-0.508	0.060	-0.698	1.1E-3	-8.3E-4	0.0E+0	0.0E+0	1.3E-4	-7.5E-5
1066	0.319	-0.326	0.462	-0.433	0.056	-0.673	1.1E-3	-7.8E-4	0.0E+0	0.0E+0	8.1E-5	-2.8E-5
1067	0.302	-0.324	0.370	-0.375	-0.009	-0.608	1.1E-3	-8.5E-4	0.0E+0	0.0E+0	1.1E-4	-1.7E-4
1068	0.421	-0.442	0.483	-0.463	-0.008	-0.634	1.3E-3	-9.6E-4	0.0E+0	0.0E+0	1.1E-4	-1.8E-4
1069	0.553	-0.566	0.609	-0.558	-0.008	-0.658	1.3E-3	-9.7E-4	0.0E+0	0.0E+0	1.6E-4	-2.2E-4



1070	0.692	-0.690	0.731	-0.650	-0.009	-0.680	1.2E-3	-9.3E-4	0.0E+0	0.0E+0	1.7E-4	-2.3E-4
1071	0.684	-0.683	0.725	-0.631	-0.156	-0.573	0.0E+0	0.0E+0	1.3E-3	-1.4E-3	1.7E-4	-2.5E-4
1072	0.546	-0.558	0.603	-0.538	-0.161	-0.543	0.0E+0	0.0E+0	1.3E-3	-1.4E-3	1.6E-4	-2.4E-4
1073	0.415	-0.433	0.479	-0.444	-0.154	-0.517	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	1.6E-4	-2.3E-4
1074	0.301	-0.318	0.367	-0.356	-0.136	-0.494	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	1.3E-4	-1.8E-4
1075	0.307	-0.322	0.405	-0.363	-0.106	-0.510	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	5.3E-5	-7.4E-5
1076	0.424	-0.441	0.517	-0.450	-0.106	-0.538	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	5.7E-5	-8.9E-5
1077	0.548	-0.561	0.628	-0.537	-0.116	-0.556	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	1.1E-4	-1.6E-4
1078	0.674	-0.679	0.739	-0.625	-0.136	-0.565	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	1.6E-4	-2.2E-4
1079	0.664	-0.687	0.764	-0.632	-0.324	-0.413	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.7E-4	-2.5E-4
1080	0.564	-0.591	0.674	-0.559	-0.317	-0.408	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.3E-4	-2.0E-4
1081	0.466	-0.494	0.582	-0.487	-0.309	-0.402	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	9.2E-5	-1.5E-4
1082	0.373	-0.400	0.492	-0.416	-0.301	-0.394	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	5.6E-5	-9.3E-5
1083	0.287	-0.309	0.404	-0.347	-0.292	-0.384	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	3.6E-5	-5.4E-5
1084	0.437	-0.455	0.532	-0.457	-0.178	-0.486	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	6.1E-5	-1.0E-4
1085	0.448	-0.469	0.548	-0.466	-0.241	-0.439	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	6.8E-5	-1.2E-4
1086	0.457	-0.482	0.565	-0.476	-0.294	-0.402	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	7.8E-5	-1.3E-4
1087	0.671	-0.680	0.746	-0.627	-0.200	-0.511	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	1.6E-4	-2.3E-4
1088	0.668	-0.681	0.752	-0.629	-0.258	-0.462	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	1.6E-4	-2.4E-4
1089	0.665	-0.683	0.758	-0.631	-0.309	-0.418	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.6E-4	-2.4E-4
1090	0.729	-0.734	0.799	-0.671	-0.218	-0.505	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	1.8E-4	-2.6E-4
1091	0.653	-0.682	0.763	-0.627	-0.293	-0.455	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.8E-4	-2.4E-4
1092	0.645	-0.678	0.763	-0.625	-0.249	-0.516	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	2.0E-4	-2.3E-4
1093	0.640	-0.675	0.761	-0.623	-0.214	-0.584	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	2.3E-4	-2.3E-4
1094	0.548	-0.580	0.667	-0.552	-0.291	-0.447	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.4E-4	-2.0E-4
1095	0.533	-0.569	0.660	-0.546	-0.250	-0.506	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.6E-4	-2.1E-4
1096	0.519	-0.559	0.653	-0.539	-0.212	-0.569	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	1.9E-4	-2.2E-4
1097	0.399	-0.434	0.547	-0.454	-0.209	-0.550	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	1.7E-4	-1.8E-4
1098	0.294	-0.318	0.441	-0.367	-0.206	-0.523	0.0E+0	0.0E+0	1.1E-3	-9.5E-4	1.4E-4	-1.2E-4
1099	0.440	-0.472	0.567	-0.473	-0.288	-0.435	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.0E-4	-1.5E-4
1100	0.414	-0.448	0.551	-0.460	-0.250	-0.489	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.2E-4	-1.6E-4
1101	0.309	-0.334	0.443	-0.372	-0.249	-0.464	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	8.2E-5	-8.6E-5
1102	0.349	-0.377	0.476	-0.401	-0.285	-0.420	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	6.5E-5	-9.2E-5
1103	0.280	-0.302	0.402	-0.344	-0.283	-0.403	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	3.5E-5	-4.3E-5
1104	0.370	-0.393	0.478	-0.408	-0.284	-0.393	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	4.1E-5	-7.9E-5
1105	0.286	-0.306	0.395	-0.343	-0.271	-0.385	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	4.1E-5	-6.7E-5
1106	0.288	-0.306	0.388	-0.342	-0.200	-0.436	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	4.4E-5	-7.1E-5
1107	0.368	-0.388	0.470	-0.405	-0.226	-0.435	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	3.4E-5	-7.1E-5
1108	0.370	-0.389	0.468	-0.408	-0.170	-0.477	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	3.2E-5	-6.5E-5
1109	0.553	-0.568	0.640	-0.542	-0.187	-0.501	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	1.1E-4	-1.7E-4
1110	0.557	-0.576	0.651	-0.547	-0.249	-0.452	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.1E-4	-1.8E-4
1111	0.560	-0.583	0.662	-0.552	-0.302	-0.411	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.2E-4	-1.9E-4
1112	0.721	-0.732	0.801	-0.670	-0.273	-0.455	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	1.8E-4	-2.7E-4
1113	0.716	-0.730	0.803	-0.670	-0.314	-0.421	0.0E+0	0.0E+0	1.1E-3	-1.2E-3	1.8E-4	-2.7E-4
1114	0.663	-0.691	0.825	-0.688	-0.326	-0.444	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	3.2E-4	-1.3E-4
1115	0.568	-0.584	0.729	-0.612	-0.320	-0.437	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	2.8E-4	-1.4E-4
1116	0.467	-0.473	0.629	-0.535	-0.314	-0.428	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	2.4E-4	-1.4E-4
1117	0.376	-0.378	0.541	-0.468	-0.307	-0.419	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	2.0E-4	-1.3E-4
1118	0.285	-0.284	0.454	-0.401	-0.299	-0.409	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.5E-4	-1.1E-4
1119	0.437	-0.462	0.584	-0.516	-0.062	-0.611	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	1.5E-4	-1.0E-4
1120	0.447	-0.469	0.596	-0.520	-0.129	-0.563	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	1.8E-4	-1.2E-4
1121	0.456	-0.474	0.608	-0.525	-0.193	-0.515	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	2.1E-4	-1.3E-4
1122	0.464	-0.477	0.620	-0.531	-0.257	-0.469	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	2.2E-4	-1.3E-4
1123	0.661	-0.716	0.814	-0.688	-0.177	-0.562	0.0E+0	0.0E+0	1.4E-3	-1.1E-3	3.0E-4	-1.4E-4
1124	0.559	-0.593	0.710	-0.605	-0.185	-0.539	0.0E+0	0.0E+0	1.4E-3	-1.2E-3	2.5E-4	-1.4E-4
1125	0.548	-0.592	0.693	-0.600	-0.060	-0.635	0.0E+0	0.0E+0	1.4E-3	-1.2E-3	2.1E-4	-1.3E-4
1126	0.554	-0.593	0.701	-0.602	-0.123	-0.587	0.0E+0	0.0E+0	1.4E-3	-1.2E-3	2.3E-4	-1.3E-4
1127	0.657	-0.728	0.804	-0.688	-0.058	-0.657	0.0E+0	0.0E+0	1.5E-3	-1.1E-3	2.7E-4	-1.5E-4
1128	0.659	-0.722	0.809	-0.688	-0.118	-0.609	0.0E+0	0.0E+0	1.4E-3	-1.1E-3	2.8E-4	-1.4E-4
1129	0.709	-0.794	0.861	-0.732	-0.071	-0.656	0.0E+0	0.0E+0	1.5E-3	-1.1E-3	3.0E-4	-1.5E-4
1130	0.661	-0.672	0.826	-0.683	-0.331	-0.455	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	3.2E-4	-1.3E-4
1131	0.660	-0.655	0.827	-0.678	-0.296	-0.509	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	3.2E-4	-1.3E-4
1132	0.658	-0.639	0.829	-0.677	-0.246	-0.584	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	2.9E-4	-1.4E-4
1133	0.656	-0.625	0.828	-0.676	-0.212	-0.667	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	2.6E-4	-1.5E-4
1134	0.525	-0.498	0.708	-0.591	-0.210	-0.644	0.0E+0	0.0E+0	1.3E-3	-1.4E-3	2.2E-4	-1.4E-4
1135	0.394	-0.375	0.595	-0.503	-0.208	-0.614	0.0E+0	0.0E+0	1.2E-3	-1.3E-3	2.0E-4	-1.5E-4
1136	0.279	-0.272	0.489	-0.417	-0.205	-0.581	0.0E+0	0.0E+0	9.1E-4	-1.0E-3	1.8E-4	-1.9E-4
1137	0.556	-0.559	0.722	-0.604	-0.326	-0.447	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	2.8E-4	-1.4E-4
1138	0.545	-0.537	0.716	-0.597	-0.299	-0.492	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	2.7E-4	-1.4E-4
1139	0.533	-0.514	0.709	-0.592	-0.253	-0.564	0.0E+0	0.0E+0	1.3E-3	-1.3E-3	2.5E-4	-1.4E-4
1140	0.409	-0.395	0.595	-0.506	-0.254	-0.540	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	2.1E-4	-1.4E-4
1141	0.296	-0.289	0.486	-0.419	-0.255	-0.508	0.0E+0	0.0E+0	9.8E-4	-1.0E-3	1.5E-4	-1.3E-4



1142	0.446	-0.445	0.615	-0.523	-0.320	-0.436	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	2.3E-4	-1.4E-4
1143	0.424	-0.416	0.599	-0.510	-0.301	-0.471	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	2.2E-4	-1.4E-4
1144	0.309	-0.304	0.488	-0.424	-0.300	-0.445	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.5E-4	-1.2E-4
1145	0.350	-0.348	0.523	-0.453	-0.313	-0.424	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	1.9E-4	-1.3E-4
1146	0.275	-0.273	0.450	-0.395	-0.307	-0.411	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.4E-4	-1.1E-4
1147	0.373	-0.380	0.531	-0.463	-0.248	-0.459	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.9E-4	-1.3E-4
1148	0.286	-0.289	0.447	-0.399	-0.239	-0.448	0.0E+0	0.0E+0	1.1E-3	-1.1E-3	1.5E-4	-1.1E-4
1149	0.371	-0.382	0.524	-0.462	-0.179	-0.510	0.0E+0	0.0E+0	1.2E-3	-1.2E-3	1.7E-4	-1.2E-4
1150	0.289	-0.296	0.445	-0.402	-0.165	-0.503	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	1.4E-4	-1.0E-4
1151	0.294	-0.303	0.447	-0.410	-0.084	-0.562	0.0E+0	0.0E+0	1.2E-3	-1.1E-3	1.0E-4	-7.8E-5
1152	0.371	-0.385	0.521	-0.464	-0.113	-0.559	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	1.5E-4	-1.1E-4
1153	0.374	-0.391	0.523	-0.470	-0.056	-0.602	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	1.2E-4	-8.8E-5
1154	0.564	-0.589	0.719	-0.608	-0.255	-0.486	0.0E+0	0.0E+0	1.3E-3	-1.2E-3	2.7E-4	-1.4E-4
1155	0.662	-0.704	0.820	-0.689	-0.252	-0.502	0.0E+0	0.0E+0	1.4E-3	-1.2E-3	3.1E-4	-1.4E-4
1156	0.709	-0.786	0.863	-0.732	-0.119	-0.616	0.0E+0	0.0E+0	1.4E-3	-1.1E-3	3.1E-4	-1.5E-4
1157	0.658	-0.615	0.821	-0.666	-0.166	-0.777	1.3E-3	-7.9E-4	0.0E+0	0.0E+0	2.3E-4	-1.3E-4
1158	0.521	-0.483	0.705	-0.584	-0.150	-0.751	1.2E-3	-9.1E-4	0.0E+0	0.0E+0	1.9E-4	-1.4E-4
1159	0.385	-0.359	0.596	-0.496	-0.142	-0.718	1.1E-3	-9.3E-4	0.0E+0	0.0E+0	1.6E-4	-1.5E-4
1160	0.270	-0.258	0.493	-0.410	-0.138	-0.676	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	1.4E-4	-1.8E-4
1161	0.285	-0.321	0.478	-0.391	-0.141	-0.616	1.0E-3	-8.6E-4	0.0E+0	0.0E+0	2.8E-4	-2.4E-4
1162	0.389	-0.436	0.578	-0.475	-0.124	-0.662	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	2.5E-4	-2.3E-4
1163	0.506	-0.558	0.682	-0.560	-0.112	-0.695	1.1E-3	-8.7E-4	0.0E+0	0.0E+0	2.5E-4	-2.3E-4
1164	0.625	-0.673	0.792	-0.641	-0.111	-0.712	1.2E-3	-8.0E-4	0.0E+0	0.0E+0	2.4E-4	-2.3E-4
1165	0.507	-0.553	0.664	-0.544	-0.162	-0.646	1.1E-3	-8.7E-4	0.0E+0	0.0E+0	2.5E-4	-2.2E-4
1166	0.629	-0.670	0.773	-0.625	-0.169	-0.664	1.2E-3	-7.9E-4	0.0E+0	0.0E+0	2.7E-4	-2.1E-4
1167	0.687	-0.723	0.832	-0.664	-0.171	-0.672	1.2E-3	-7.4E-4	0.0E+0	0.0E+0	2.6E-4	-2.2E-4
1168	0.277	-0.305	0.458	-0.374	-0.153	-0.599	1.0E-3	-8.6E-4	0.0E+0	0.0E+0	2.7E-4	-2.3E-4
1169	0.386	-0.427	0.559	-0.458	-0.157	-0.625	1.1E-3	-8.9E-4	0.0E+0	0.0E+0	2.6E-4	-2.3E-4
1170	0.691	-0.721	0.820	-0.656	-0.181	-0.668	1.2E-3	-7.3E-4	0.0E+0	0.0E+0	2.8E-4	-2.0E-4
1171	0.558	-1.570	1.164	-1.873	0.245	-0.790	0.0E+0	0.0E+0	1.4E-3	-6.1E-4	3.9E-4	-3.8E-4
1172	0.499	-1.435	1.054	-1.680	0.245	-0.785	0.0E+0	0.0E+0	1.4E-3	-6.1E-4	3.5E-4	-3.2E-4
1173	0.440	-1.296	0.943	-1.486	0.244	-0.777	0.0E+0	0.0E+0	1.5E-3	-6.1E-4	3.1E-4	-2.7E-4
1174	0.873	-0.846	0.987	-1.473	-0.164	-0.786	0.0E+0	0.0E+0	7.8E-4	-1.2E-3	-9.2E-5	-6.7E-4
1175	0.988	-0.919	1.089	-1.685	-0.170	-0.802	0.0E+0	0.0E+0	7.6E-4	-1.2E-3	-8.8E-5	-7.7E-4
1176	1.107	-0.991	1.175	-1.888	-0.173	-0.814	0.0E+0	0.0E+0	7.6E-4	-1.3E-3	-7.9E-5	-8.5E-4
1177	0.475	-1.374	0.923	-1.482	-0.255	-0.688	0.0E+0	0.0E+0	1.5E-3	-8.2E-4	3.5E-4	-2.3E-4
1178	0.553	-1.512	1.038	-1.673	-0.254	-0.695	0.0E+0	0.0E+0	1.4E-3	-8.0E-4	3.8E-4	-3.1E-4
1179	0.629	-1.645	1.155	-1.869	-0.258	-0.694	0.0E+0	0.0E+0	1.4E-3	-7.9E-4	4.0E-4	-3.8E-4
1180	0.468	-1.359	0.921	-1.480	-0.314	-0.571	0.0E+0	0.0E+0	1.5E-3	-7.9E-4	3.7E-4	-2.5E-4
1181	0.542	-1.496	1.038	-1.673	-0.328	-0.555	0.0E+0	0.0E+0	1.4E-3	-7.5E-4	3.8E-4	-3.2E-4
1182	0.612	-1.627	1.156	-1.870	-0.341	-0.536	0.0E+0	0.0E+0	1.4E-3	-7.4E-4	3.9E-4	-3.9E-4
1183	0.461	-1.343	0.926	-1.483	-0.352	-0.467	0.0E+0	0.0E+0	1.5E-3	-7.4E-4	3.6E-4	-2.5E-4
1184	0.529	-1.479	1.041	-1.675	-0.349	-0.462	0.0E+0	0.0E+0	1.4E-3	-7.1E-4	3.8E-4	-3.3E-4
1185	0.594	-1.609	1.158	-1.871	-0.335	-0.466	0.0E+0	0.0E+0	1.4E-3	-6.9E-4	3.9E-4	-3.9E-4
1186	0.454	-1.328	0.932	-1.485	-0.272	-0.481	0.0E+0	0.0E+0	1.5E-3	-6.9E-4	3.5E-4	-2.6E-4
1187	0.517	-1.462	1.045	-1.677	-0.225	-0.518	0.0E+0	0.0E+0	1.4E-3	-6.7E-4	3.7E-4	-3.3E-4
1188	0.576	-1.591	1.160	-1.872	-0.177	-0.550	0.0E+0	0.0E+0	1.4E-3	-6.6E-4	4.0E-4	-3.9E-4
1189	0.441	-1.300	0.941	-1.486	0.133	-0.713	0.0E+0	0.0E+0	1.5E-3	-6.2E-4	3.2E-4	-2.7E-4
1190	0.442	-1.305	0.939	-1.486	0.008	-0.640	0.0E+0	0.0E+0	1.5E-3	-6.3E-4	3.3E-4	-2.7E-4
1191	0.445	-1.313	0.936	-1.486	-0.124	-0.563	0.0E+0	0.0E+0	1.5E-3	-6.5E-4	3.4E-4	-2.6E-4
1192	0.505	-1.448	1.049	-1.679	-0.088	-0.594	0.0E+0	0.0E+0	1.4E-3	-6.5E-4	3.7E-4	-3.3E-4
1193	0.566	-1.579	1.162	-1.872	-0.020	-0.639	0.0E+0	0.0E+0	1.4E-3	-6.4E-4	4.0E-4	-3.8E-4
1194	0.494	-1.424	1.040	-1.658	0.141	-0.724	0.0E+0	0.0E+0	1.4E-3	-6.2E-4	3.5E-4	-3.2E-4
1195	0.502	-1.441	1.050	-1.677	0.043	-0.669	0.0E+0	0.0E+0	1.4E-3	-6.3E-4	3.6E-4	-3.2E-4
1196	0.560	-1.570	1.159	-1.866	0.107	-0.711	0.0E+0	0.0E+0	1.4E-3	-6.2E-4	3.9E-4	-3.8E-4
1197	0.537	-1.522	1.121	-1.799	0.164	-0.742	0.0E+0	0.0E+0	1.4E-3	-6.2E-4	3.8E-4	-3.6E-4
1198	0.975	-0.928	1.091	-1.685	-0.163	-0.778	0.0E+0	0.0E+0	7.6E-4	-1.2E-3	-8.9E-5	-7.7E-4
1199	1.094	-1.002	1.176	-1.888	-0.166	-0.789	0.0E+0	0.0E+0	7.6E-4	-1.3E-3	-8.0E-5	-8.6E-4
1200	0.862	-0.854	0.989	-1.473	-0.160	-0.764	0.0E+0	0.0E+0	7.7E-4	-1.2E-3	-9.5E-5	-6.7E-4
1201	1.135	-1.026	1.202	-1.954	-0.167	-0.792	0.0E+0	0.0E+0	7.5E-4	-1.3E-3	-7.1E-5	-8.8E-4
1202	0.651	-1.661	1.084	-1.810	-0.067	-0.873	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	4.0E-4	-3.5E-4
1203	0.570	-1.527	0.975	-1.628	-0.057	-0.861	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	3.7E-4	-2.9E-4
1204	0.488	-1.385	0.865	-1.451	-0.045	-0.848	1.2E-3	-1.8E-3	0.0E+0	0.0E+0	3.4E-4	-2.3E-4
1205	1.252	-1.075	1.051	-1.662	-0.324	-0.496	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.7E-4	-4.1E-4
1206	1.123	-1.002	0.948	-1.498	-0.310	-0.489	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.2E-4	-3.6E-4
1207	0.982	-0.915	0.844	-1.334	-0.290	-0.486	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1208	0.978	-0.919	0.872	-1.366	-0.318	-0.402	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1209	1.120	-1.005	0.980	-1.534	-0.336	-0.406	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.2E-4	-3.6E-4
1210	1.249	-1.078	1.088	-1.703	-0.349	-0.413	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.7E-4	-4.1E-4
1211	1.594	-0.728	1.136	-1.415	-0.391	-0.503	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	3.9E-4	-3.8E-4
1212	1.419	-0.695	1.025	-1.276	-0.381	-0.493	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	3.5E-4	-3.3E-4
1213	1.235	-0.652	0.914	-1.139	-0.365	-0.485	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	3.0E-4	-2.9E-4



1214	1.231	-0.657	0.940	-1.163	-0.264	-0.435	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	3.0E-4	-2.8E-4
1215	1.416	-0.698	1.054	-1.305	-0.283	-0.438	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	3.5E-4	-3.3E-4
1216	1.591	-0.731	1.169	-1.447	-0.298	-0.444	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	3.9E-4	-3.8E-4
1217	0.852	-1.015	1.079	-0.899	-0.030	-0.771	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	3.7E-4	-1.7E-4
1218	0.942	-1.148	1.210	-1.007	-0.038	-0.783	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	4.4E-4	-2.1E-4
1219	1.028	-1.279	1.339	-1.120	-0.046	-0.794	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	5.1E-4	-2.5E-4
1220	0.568	-1.529	0.996	-1.644	-0.104	-0.847	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	3.7E-4	-2.8E-4
1221	0.566	-1.530	1.017	-1.660	-0.150	-0.834	1.2E-3	-1.9E-3	0.0E+0	0.0E+0	3.6E-4	-2.7E-4
1222	0.647	-1.664	1.131	-1.851	-0.155	-0.847	1.2E-3	-2.0E-3	0.0E+0	0.0E+0	4.1E-4	-3.5E-4
1223	0.649	-1.662	1.107	-1.830	-0.112	-0.859	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	4.0E-4	-3.5E-4
1224	0.703	-1.749	1.185	-1.959	-0.122	-0.865	1.2E-3	-2.0E-3	0.0E+0	0.0E+0	4.3E-4	-3.9E-4
1225	0.675	-1.706	1.149	-1.897	-0.122	-0.861	1.2E-3	-2.0E-3	0.0E+0	0.0E+0	4.2E-4	-3.7E-4
1226	0.688	-1.729	1.182	-1.942	-0.148	-0.855	1.2E-3	-2.0E-3	0.0E+0	0.0E+0	4.2E-4	-3.9E-4
1227	0.484	-1.390	0.903	-1.475	-0.146	-0.817	1.2E-3	-1.9E-3	0.0E+0	0.0E+0	3.5E-4	-2.1E-4
1228	0.487	-1.388	0.882	-1.462	-0.091	-0.833	1.2E-3	-1.8E-3	0.0E+0	0.0E+0	3.4E-4	-2.2E-4
1229	0.703	-1.748	1.171	-1.947	-0.098	-0.872	1.1E-3	-2.0E-3	0.0E+0	0.0E+0	4.4E-4	-3.9E-4
1230	0.677	-1.705	1.134	-1.884	-0.096	-0.869	1.1E-3	-1.9E-3	0.0E+0	0.0E+0	4.2E-4	-3.7E-4
1231	0.982	-0.917	0.853	-1.344	-0.322	-0.438	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1232	0.980	-0.919	0.863	-1.356	-0.339	-0.399	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1233	1.107	-0.994	0.946	-1.491	-0.334	-0.445	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.2E-4	-3.5E-4
1234	1.120	-1.003	0.966	-1.518	-0.346	-0.419	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.2E-4	-3.6E-4
1235	1.247	-1.075	1.066	-1.678	-0.353	-0.439	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.7E-4	-4.1E-4
1236	1.203	-1.049	1.021	-1.611	-0.339	-0.458	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	3.5E-4	-3.9E-4
1237	1.418	-0.696	1.035	-1.286	-0.374	-0.447	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	3.5E-4	-3.3E-4
1238	1.417	-0.698	1.045	-1.296	-0.341	-0.428	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	3.5E-4	-3.3E-4
1239	1.592	-0.730	1.158	-1.436	-0.356	-0.437	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	3.9E-4	-3.8E-4
1240	1.593	-0.729	1.147	-1.426	-0.385	-0.459	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	3.9E-4	-3.8E-4
1241	1.233	-0.656	0.933	-1.156	-0.321	-0.421	1.2E-3	-1.4E-3	0.0E+0	0.0E+0	3.0E-4	-2.8E-4
1242	1.234	-0.655	0.923	-1.147	-0.364	-0.437	1.1E-3	-1.4E-3	0.0E+0	0.0E+0	3.0E-4	-2.9E-4
1243	1.649	-0.740	1.198	-1.485	-0.350	-0.440	1.2E-3	-1.5E-3	0.0E+0	0.0E+0	4.1E-4	-4.0E-4
1244	0.945	-1.146	1.179	-0.994	-0.025	-0.759	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	4.4E-4	-2.2E-4
1245	0.944	-1.147	1.195	-1.001	-0.032	-0.771	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	4.4E-4	-2.1E-4
1246	1.030	-1.278	1.320	-1.112	-0.038	-0.782	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	5.1E-4	-2.6E-4
1247	1.031	-1.277	1.302	-1.104	-0.030	-0.769	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	5.0E-4	-2.6E-4
1248	0.853	-1.014	1.068	-0.895	-0.027	-0.760	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	3.7E-4	-1.8E-4
1249	0.856	-1.014	1.054	-0.889	-0.021	-0.746	1.3E-3	-1.1E-3	0.0E+0	0.0E+0	3.7E-4	-1.8E-4
1250	1.057	-1.322	1.365	-1.152	-0.042	-0.787	1.3E-3	-1.2E-3	0.0E+0	0.0E+0	5.3E-4	-2.7E-4
1251	1.025	-1.058	1.178	-1.886	-0.042	-0.743	0.0E+0	0.0E+0	7.7E-4	-1.2E-3	-7.8E-5	-8.5E-4
1252	0.912	-0.982	1.093	-1.683	-0.038	-0.741	0.0E+0	0.0E+0	7.9E-4	-1.1E-3	-9.4E-5	-7.8E-4
1253	0.805	-0.904	0.992	-1.468	-0.031	-0.737	0.0E+0	0.0E+0	8.4E-4	-1.1E-3	-9.5E-5	-7.0E-4
1254	0.528	-1.187	1.305	-1.147	-0.197	-0.544	0.0E+0	0.0E+0	1.4E-3	-6.5E-4	1.6E-4	-4.3E-4
1255	0.588	-1.317	1.470	-1.297	-0.212	-0.536	0.0E+0	0.0E+0	1.3E-3	-6.0E-4	1.9E-4	-4.8E-4
1256	0.645	-1.442	1.624	-1.435	-0.221	-0.531	0.0E+0	0.0E+0	1.3E-3	-5.8E-4	2.4E-4	-5.2E-4
1257	0.825	-0.885	0.993	-1.471	-0.089	-0.736	0.0E+0	0.0E+0	8.2E-4	-1.1E-3	-9.4E-5	-7.0E-4
1258	0.937	-0.960	1.093	-1.684	-0.098	-0.746	0.0E+0	0.0E+0	7.8E-4	-1.1E-3	-9.2E-5	-7.7E-4
1259	1.052	-1.034	1.178	-1.887	-0.101	-0.754	0.0E+0	0.0E+0	7.7E-4	-1.2E-3	-7.4E-5	-8.5E-4
1260	0.570	-1.326	1.472	-1.298	-0.271	-0.492	0.0E+0	0.0E+0	1.3E-3	-6.0E-4	1.7E-4	-4.6E-4
1261	0.579	-1.321	1.471	-1.298	-0.258	-0.497	0.0E+0	0.0E+0	1.3E-3	-6.0E-4	1.9E-4	-4.7E-4
1262	0.636	-1.446	1.625	-1.435	-0.262	-0.498	0.0E+0	0.0E+0	1.3E-3	-5.8E-4	2.3E-4	-5.2E-4
1263	0.627	-1.451	1.625	-1.435	-0.275	-0.495	0.0E+0	0.0E+0	1.3E-3	-5.8E-4	2.3E-4	-5.2E-4
1264	0.520	-1.192	1.308	-1.148	-0.250	-0.496	0.0E+0	0.0E+0	1.4E-3	-6.4E-4	1.5E-4	-4.3E-4
1265	0.511	-1.197	1.310	-1.149	-0.265	-0.488	0.0E+0	0.0E+0	1.3E-3	-6.2E-4	1.4E-4	-4.2E-4
1266	0.656	-1.487	1.675	-1.479	-0.260	-0.501	0.0E+0	0.0E+0	1.3E-3	-5.7E-4	2.5E-4	-5.4E-4
1267	1.090	-0.998	1.248	-1.428	-0.460	-0.664	8.3E-4	-1.7E-3	0.0E+0	0.0E+0	-1.8E-4	-9.6E-4
1268	0.975	-0.917	1.164	-1.260	-0.457	-0.637	9.4E-4	-1.7E-3	0.0E+0	0.0E+0	-2.1E-4	-8.9E-4
1269	0.865	-0.840	1.065	-1.093	-0.439	-0.614	1.1E-3	-1.7E-3	0.0E+0	0.0E+0	-2.3E-4	-8.2E-4
1270	0.842	-0.829	1.143	-0.939	-0.348	-0.713	1.9E-3	-6.0E-4	0.0E+0	0.0E+0	-7.5E-5	-7.6E-4
1271	0.933	-0.928	1.339	-0.991	-0.333	-0.756	2.1E-3	-4.8E-4	0.0E+0	0.0E+0	-2.8E-6	-7.6E-4
1272	1.037	-1.037	1.548	-1.034	-0.332	-0.780	2.2E-3	-4.1E-4	0.0E+0	0.0E+0	2.4E-5	-8.0E-4
1273	1.105	-1.021	1.216	-1.748	-0.354	-0.677	8.3E-4	-1.9E-3	0.0E+0	0.0E+0	-1.5E-4	-9.7E-4
1274	1.009	-0.956	1.150	-1.604	-0.344	-0.667	8.9E-4	-1.9E-3	0.0E+0	0.0E+0	-1.4E-4	-9.0E-4
1275	0.916	-0.891	1.077	-1.456	-0.338	-0.655	1.0E-3	-2.0E-3	0.0E+0	0.0E+0	-1.2E-4	-8.5E-4
1276	0.828	-0.828	0.993	-1.303	-0.336	-0.637	1.2E-3	-2.1E-3	0.0E+0	0.0E+0	-1.0E-4	-7.9E-4
1277	0.940	-0.916	1.083	-1.571	-0.254	-0.699	9.6E-4	-2.0E-3	0.0E+0	0.0E+0	-1.3E-4	-7.9E-4
1278	1.113	-1.029	1.208	-1.853	-0.263	-0.723	8.1E-4	-2.0E-3	0.0E+0	0.0E+0	-1.2E-4	-9.4E-4
1279	1.025	-0.973	1.148	-1.713	-0.257	-0.713	8.7E-4	-2.0E-3	0.0E+0	0.0E+0	-1.2E-4	-8.7E-4
1280	1.096	-1.021	1.192	-1.871	-0.212	-0.744	8.2E-4	-2.0E-3	0.0E+0	0.0E+0	-1.1E-4	-9.0E-4
1281	1.101	-1.015	1.228	-1.646	-0.437	-0.628	8.4E-4	-1.8E-3	0.0E+0	0.0E+0	-1.5E-4	-9.7E-4
1282	1.095	-1.007	1.237	-1.537	-0.491	-0.603	8.4E-4	-1.8E-3	0.0E+0	0.0E+0	-1.6E-4	-9.7E-4
1283	0.823	-0.820	0.998	-1.234	-0.387	-0.622	1.2E-3	-2.0E-3	0.0E+0	0.0E+0	-1.3E-4	-8.0E-4
1284	0.909	-0.882	1.083	-1.371	-0.403	-0.623	1.0E-3	-1.9E-3	0.0E+0	0.0E+0	-1.3E-4	-8.8E-4
1285	1.001	-0.946	1.157	-1.503	-0.423	-0.623	9.1E-4	-1.9E-3	0.0E+0	0.0E+0	-1.4E-4	-9.3E-4



1286	0.992	-0.936	1.163	-1.393	-0.476	-0.595	9.2E-4	-1.8E-3	0.0E+0	0.0E+0	-1.6E-4	-9.2E-4
1287	0.820	-0.818	1.003	-1.162	-0.427	-0.596	1.2E-3	-1.9E-3	0.0E+0	0.0E+0	-1.7E-4	-7.8E-4
1288	0.896	-0.869	1.082	-1.252	-0.459	-0.588	1.1E-3	-1.8E-3	0.0E+0	0.0E+0	-1.7E-4	-8.5E-4
1289	0.813	-0.806	0.999	-1.081	-0.442	-0.581	1.2E-3	-1.8E-3	0.0E+0	0.0E+0	-1.8E-4	-7.5E-4
1290	0.841	-0.848	0.994	-1.392	-0.253	-0.677	1.1E-3	-2.1E-3	0.0E+0	0.0E+0	-1.4E-4	-6.8E-4
1291	1.028	-0.977	1.145	-1.758	-0.209	-0.736	8.7E-4	-2.0E-3	0.0E+0	0.0E+0	-1.0E-4	-8.5E-4
1292	0.951	-0.927	1.331	-0.829	-0.277	-0.791	2.1E-3	-3.4E-4	0.0E+0	0.0E+0	2.0E-4	-6.2E-4
1293	0.943	-0.924	1.338	-0.866	-0.307	-0.766	2.1E-3	-3.8E-4	0.0E+0	0.0E+0	1.6E-4	-6.7E-4
1294	0.936	-0.922	1.341	-0.906	-0.337	-0.741	2.1E-3	-4.3E-4	0.0E+0	0.0E+0	9.4E-5	-7.1E-4
1295	0.933	-0.923	1.342	-0.947	-0.340	-0.744	2.1E-3	-4.7E-4	0.0E+0	0.0E+0	3.7E-5	-7.4E-4
1296	1.078	-1.069	1.627	-0.941	-0.342	-0.767	2.3E-3	-3.4E-4	0.0E+0	0.0E+0	6.3E-5	-7.9E-4
1297	1.006	-0.994	1.479	-0.925	-0.339	-0.754	2.2E-3	-3.7E-4	0.0E+0	0.0E+0	9.1E-5	-7.5E-4
1298	1.020	-1.014	1.515	-0.979	-0.343	-0.760	2.2E-3	-4.0E-4	0.0E+0	0.0E+0	4.8E-5	-7.8E-4
1299	1.083	-1.079	1.641	-0.997	-0.347	-0.769	2.3E-3	-3.8E-4	0.0E+0	0.0E+0	4.2E-5	-8.1E-4
1300	0.836	-0.817	1.149	-0.903	-0.345	-0.715	1.9E-3	-6.1E-4	0.0E+0	0.0E+0	-2.6E-5	-7.1E-4
1301	0.837	-0.819	1.152	-0.864	-0.330	-0.726	1.8E-3	-6.1E-4	0.0E+0	0.0E+0	6.1E-5	-6.3E-4
1302	0.848	-0.828	1.148	-0.828	-0.300	-0.747	1.8E-3	-5.2E-4	0.0E+0	0.0E+0	1.5E-4	-5.6E-4
1303	0.861	-0.834	1.139	-0.796	-0.263	-0.772	1.9E-3	-3.9E-4	0.0E+0	0.0E+0	2.3E-4	-5.2E-4
1304	1.009	-0.993	1.474	-0.882	-0.310	-0.779	2.2E-3	-3.3E-4	0.0E+0	0.0E+0	1.4E-4	-7.1E-4
1305	1.075	-1.058	1.608	-0.882	-0.304	-0.797	2.3E-3	-2.8E-4	0.0E+0	0.0E+0	1.2E-4	-7.4E-4
1306	1.005	-0.983	1.447	-0.845	-0.283	-0.799	2.2E-3	-3.1E-4	0.0E+0	0.0E+0	1.8E-4	-6.6E-4
1307	0.620	-1.453	1.591	-1.350	-0.173	-0.482	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	1.8E-4	-4.7E-4
1308	0.563	-1.327	1.452	-1.225	-0.168	-0.476	1.5E-3	-1.4E-3	0.0E+0	0.0E+0	9.3E-5	-3.8E-4
1309	0.504	-1.197	1.298	-1.084	-0.162	-0.469	1.7E-3	-1.6E-3	0.0E+0	0.0E+0	4.6E-5	-3.4E-4
1310	1.000	-1.085	1.751	-0.897	-0.303	-0.347	1.8E-3	-9.0E-4	0.0E+0	0.0E+0	3.7E-4	-4.0E-4
1311	0.923	-0.988	1.580	-0.811	-0.297	-0.343	1.8E-3	-9.1E-4	0.0E+0	0.0E+0	3.2E-4	-3.5E-4
1312	0.836	-0.881	1.408	-0.723	-0.286	-0.341	1.8E-3	-9.2E-4	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1313	0.831	-0.885	1.459	-0.782	-0.139	-0.527	1.9E-3	-1.0E-3	0.0E+0	0.0E+0	2.8E-4	-3.1E-4
1314	0.919	-0.991	1.641	-0.879	-0.156	-0.522	1.9E-3	-9.8E-4	0.0E+0	0.0E+0	3.2E-4	-3.6E-4
1315	0.998	-1.088	1.821	-0.975	-0.168	-0.521	1.8E-3	-9.8E-4	0.0E+0	0.0E+0	3.7E-4	-4.1E-4
1316	1.028	-1.032	1.639	-0.688	-0.215	-0.501	1.6E-3	-6.7E-4	0.0E+0	0.0E+0	3.6E-4	-4.2E-4
1317	0.935	-0.935	1.481	-0.623	-0.214	-0.491	1.6E-3	-6.7E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1318	0.847	-0.843	1.322	-0.559	-0.218	-0.474	1.6E-3	-6.7E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1319	0.842	-0.852	1.400	-0.659	-0.151	-0.555	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	2.6E-4	-3.3E-4
1320	0.934	-0.946	1.572	-0.737	-0.159	-0.559	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1321	1.026	-1.039	1.743	-0.814	-0.163	-0.566	1.8E-3	-8.0E-4	0.0E+0	0.0E+0	3.6E-4	-4.2E-4
1322	1.050	-1.015	1.602	-0.538	-0.125	-0.612	1.5E-3	-4.5E-4	0.0E+0	0.0E+0	3.6E-4	-4.1E-4
1323	0.957	-0.924	1.453	-0.495	-0.120	-0.605	1.5E-3	-4.6E-4	0.0E+0	0.0E+0	3.1E-4	-3.6E-4
1324	0.864	-0.831	1.304	-0.450	-0.112	-0.600	1.6E-3	-4.8E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1325	0.854	-0.836	1.322	-0.489	-0.258	-0.443	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	2.7E-4	-3.3E-4
1326	0.946	-0.925	1.480	-0.542	-0.257	-0.459	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1327	1.043	-1.019	1.638	-0.596	-0.258	-0.468	1.6E-3	-5.5E-4	0.0E+0	0.0E+0	3.6E-4	-4.2E-4
1328	0.939	-1.140	1.852	-0.262	-0.212	-0.414	1.8E-3	-1.3E-4	0.0E+0	0.0E+0	3.6E-4	-4.1E-4
1329	0.859	-1.042	1.681	-0.249	-0.202	-0.413	1.8E-3	-1.5E-4	0.0E+0	0.0E+0	3.1E-4	-3.5E-4
1330	0.772	-0.937	1.509	-0.234	-0.188	-0.415	1.8E-3	-1.8E-4	0.0E+0	0.0E+0	2.6E-4	-3.1E-4
1331	0.768	-0.942	1.508	-0.243	-0.224	-0.414	1.8E-3	-1.9E-4	0.0E+0	0.0E+0	2.8E-4	-3.3E-4
1332	0.856	-1.045	1.683	-0.260	-0.238	-0.412	1.8E-3	-1.6E-4	0.0E+0	0.0E+0	3.2E-4	-3.7E-4
1333	0.937	-1.143	1.856	-0.275	-0.247	-0.413	1.8E-3	-1.4E-4	0.0E+0	0.0E+0	3.7E-4	-4.1E-4
1334	1.478	-0.224	1.701	-0.054	-0.229	-0.399	2.0E-3	1.4E-5	0.0E+0	0.0E+0	3.2E-4	-3.4E-4
1335	1.644	-0.247	1.895	-0.047	-0.241	-0.400	2.0E-3	1.2E-4	0.0E+0	0.0E+0	3.6E-4	-3.8E-4
1336	1.805	-0.268	2.082	-0.032	-0.250	-0.402	1.9E-3	1.8E-4	0.0E+0	0.0E+0	3.9E-4	-4.2E-4
1337	0.563	-1.329	1.458	-1.247	-0.217	-0.469	1.5E-3	-1.4E-3	0.0E+0	0.0E+0	1.1E-4	-4.0E-4
1338	0.562	-1.330	1.464	-1.270	-0.238	-0.489	1.6E-3	-1.4E-3	0.0E+0	0.0E+0	1.3E-4	-4.2E-4
1339	0.618	-1.455	1.614	-1.405	-0.245	-0.492	1.5E-3	-1.3E-3	0.0E+0	0.0E+0	2.0E-4	-5.0E-4
1340	0.619	-1.454	1.602	-1.377	-0.222	-0.474	1.5E-3	-1.3E-3	0.0E+0	0.0E+0	2.0E-4	-4.8E-4
1341	0.656	-1.537	1.697	-1.463	-0.227	-0.479	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	2.6E-4	-5.4E-4
1342	0.638	-1.496	1.651	-1.423	-0.227	-0.479	1.5E-3	-1.3E-3	0.0E+0	0.0E+0	2.3E-4	-5.2E-4
1343	0.646	-1.517	1.683	-1.462	-0.242	-0.490	1.5E-3	-1.3E-3	0.0E+0	0.0E+0	2.5E-4	-5.3E-4
1344	0.504	-1.201	1.306	-1.124	-0.227	-0.485	1.7E-3	-1.6E-3	0.0E+0	0.0E+0	7.6E-5	-3.7E-4
1345	0.504	-1.199	1.301	-1.101	-0.204	-0.462	1.7E-3	-1.6E-3	0.0E+0	0.0E+0	7.6E-5	-3.7E-4
1346	0.656	-1.537	1.689	-1.446	-0.206	-0.478	1.4E-3	-1.2E-3	0.0E+0	0.0E+0	2.6E-4	-5.4E-4
1347	0.638	-1.495	1.643	-1.406	-0.205	-0.477	1.4E-3	-1.3E-3	0.0E+0	0.0E+0	2.2E-4	-5.1E-4
1348	0.837	-0.884	1.417	-0.734	-0.287	-0.348	1.8E-3	-9.3E-4	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1349	0.837	-0.886	1.431	-0.750	-0.243	-0.403	1.8E-3	-9.5E-4	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1350	0.834	-0.886	1.446	-0.767	-0.189	-0.468	1.9E-3	-9.8E-4	0.0E+0	0.0E+0	2.8E-4	-3.1E-4
1351	0.922	-0.991	1.622	-0.858	-0.208	-0.459	1.8E-3	-9.7E-4	0.0E+0	0.0E+0	3.2E-4	-3.6E-4
1352	0.999	-1.088	1.792	-0.943	-0.231	-0.443	1.8E-3	-9.5E-4	0.0E+0	0.0E+0	3.7E-4	-4.0E-4
1353	0.914	-0.978	1.571	-0.813	-0.288	-0.359	1.8E-3	-9.2E-4	0.0E+0	0.0E+0	3.1E-4	-3.5E-4
1354	0.922	-0.989	1.601	-0.837	-0.258	-0.399	1.8E-3	-9.4E-4	0.0E+0	0.0E+0	3.2E-4	-3.6E-4
1355	0.998	-1.084	1.765	-0.916	-0.277	-0.385	1.8E-3	-9.2E-4	0.0E+0	0.0E+0	3.7E-4	-4.0E-4
1356	0.971	-1.049	1.695	-0.875	-0.294	-0.359	1.8E-3	-9.1E-4	0.0E+0	0.0E+0	3.5E-4	-3.9E-4
1357	0.933	-0.935	1.499	-0.646	-0.284	-0.425	1.7E-3	-6.9E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4



1358	0.933	-0.937	1.517	-0.669	-0.351	-0.369	1.7E-3	-7.2E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1359	0.934	-0.940	1.535	-0.691	-0.296	-0.419	1.7E-3	-7.5E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1360	0.935	-0.944	1.554	-0.714	-0.228	-0.488	1.7E-3	-7.8E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1361	1.059	-1.069	1.752	-0.780	-0.322	-0.405	1.7E-3	-7.4E-4	0.0E+0	0.0E+0	3.7E-4	-4.3E-4
1362	0.995	-1.004	1.643	-0.736	-0.309	-0.412	1.7E-3	-7.4E-4	0.0E+0	0.0E+0	3.4E-4	-4.0E-4
1363	1.011	-1.022	1.692	-0.774	-0.237	-0.489	1.7E-3	-7.7E-4	0.0E+0	0.0E+0	3.5E-4	-4.1E-4
1364	1.065	-1.078	1.789	-0.816	-0.244	-0.486	1.7E-3	-7.7E-4	0.0E+0	0.0E+0	3.8E-4	-4.4E-4
1365	0.845	-0.852	1.388	-0.642	-0.210	-0.494	1.8E-3	-7.8E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1366	0.845	-0.848	1.372	-0.622	-0.284	-0.418	1.7E-3	-7.5E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1367	0.841	-0.841	1.356	-0.601	-0.349	-0.363	1.7E-3	-7.3E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1368	0.841	-0.839	1.338	-0.579	-0.284	-0.413	1.7E-3	-7.0E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1369	0.994	-1.000	1.620	-0.710	-0.343	-0.375	1.7E-3	-7.2E-4	0.0E+0	0.0E+0	3.4E-4	-4.0E-4
1370	1.052	-1.059	1.710	-0.741	-0.315	-0.408	1.7E-3	-7.0E-4	0.0E+0	0.0E+0	3.7E-4	-4.3E-4
1371	0.985	-0.989	1.586	-0.682	-0.281	-0.433	1.7E-3	-6.9E-4	0.0E+0	0.0E+0	3.4E-4	-4.0E-4
1372	0.955	-0.924	1.453	-0.499	-0.191	-0.534	1.5E-3	-4.7E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1373	0.952	-0.924	1.453	-0.503	-0.260	-0.464	1.6E-3	-4.8E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1374	0.949	-0.923	1.454	-0.507	-0.326	-0.395	1.6E-3	-5.0E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1375	0.947	-0.923	1.461	-0.519	-0.327	-0.392	1.6E-3	-5.3E-4	0.0E+0	0.0E+0	3.1E-4	-3.7E-4
1376	1.046	-1.016	1.604	-0.550	-0.280	-0.453	1.6E-3	-4.8E-4	0.0E+0	0.0E+0	3.6E-4	-4.1E-4
1377	1.012	-0.986	1.563	-0.551	-0.335	-0.391	1.6E-3	-5.3E-4	0.0E+0	0.0E+0	3.4E-4	-4.0E-4
1378	1.077	-1.049	1.665	-0.583	-0.344	-0.389	1.6E-3	-5.2E-4	0.0E+0	0.0E+0	3.7E-4	-4.3E-4
1379	0.852	-0.831	1.305	-0.467	-0.329	-0.378	1.6E-3	-5.3E-4	0.0E+0	0.0E+0	2.7E-4	-3.2E-4
1380	0.853	-0.831	1.302	-0.460	-0.313	-0.398	1.6E-3	-5.0E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1381	0.859	-0.834	1.302	-0.456	-0.246	-0.465	1.6E-3	-4.8E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1382	0.863	-0.833	1.303	-0.452	-0.173	-0.539	1.6E-3	-4.8E-4	0.0E+0	0.0E+0	2.6E-4	-3.2E-4
1383	1.048	-1.016	1.603	-0.544	-0.203	-0.532	1.5E-3	-4.6E-4	0.0E+0	0.0E+0	3.6E-4	-4.1E-4
1384	1.002	-0.975	1.538	-0.534	-0.332	-0.395	1.6E-3	-5.0E-4	0.0E+0	0.0E+0	3.4E-4	-3.9E-4
1385	0.773	-0.939	1.508	-0.236	-0.238	-0.373	1.8E-3	-1.8E-4	0.0E+0	0.0E+0	2.7E-4	-3.1E-4
1386	0.772	-0.941	1.508	-0.238	-0.297	-0.323	1.8E-3	-1.8E-4	0.0E+0	0.0E+0	2.7E-4	-3.2E-4
1387	0.770	-0.942	1.508	-0.241	-0.270	-0.360	1.8E-3	-1.9E-4	0.0E+0	0.0E+0	2.7E-4	-3.2E-4
1388	0.857	-1.045	1.682	-0.257	-0.290	-0.351	1.8E-3	-1.6E-4	0.0E+0	0.0E+0	3.2E-4	-3.7E-4
1389	0.938	-1.142	1.854	-0.270	-0.312	-0.336	1.8E-3	-1.4E-4	0.0E+0	0.0E+0	3.6E-4	-4.1E-4
1390	0.850	-1.032	1.663	-0.250	-0.245	-0.376	1.8E-3	-1.5E-4	0.0E+0	0.0E+0	3.1E-4	-3.5E-4
1391	0.857	-1.043	1.680	-0.254	-0.290	-0.340	1.8E-3	-1.5E-4	0.0E+0	0.0E+0	3.1E-4	-3.6E-4
1392	0.936	-1.138	1.848	-0.266	-0.273	-0.364	1.8E-3	-1.3E-4	0.0E+0	0.0E+0	3.6E-4	-4.1E-4
1393	0.909	-1.104	1.788	-0.260	-0.243	-0.385	1.8E-3	-1.3E-4	0.0E+0	0.0E+0	3.4E-4	-3.9E-4
1394	1.647	-0.246	1.887	-0.038	-0.341	-0.487	2.0E-3	1.3E-4	0.0E+0	0.0E+0	3.6E-4	-3.7E-4
1395	1.645	-0.247	1.891	-0.043	-0.313	-0.416	2.0E-3	1.3E-4	0.0E+0	0.0E+0	3.6E-4	-3.7E-4
1396	1.806	-0.268	2.078	-0.027	-0.323	-0.423	1.9E-3	1.8E-4	0.0E+0	0.0E+0	3.9E-4	-4.1E-4
1397	1.807	-0.267	2.075	-0.023	-0.347	-0.493	1.9E-3	1.8E-4	0.0E+0	0.0E+0	3.9E-4	-4.1E-4
1398	1.913	-0.281	2.200	-0.012	-0.344	-0.470	1.9E-3	1.9E-4	0.0E+0	0.0E+0	4.1E-4	-4.3E-4
1399	1.860	-0.274	2.137	-0.018	-0.346	-0.481	1.9E-3	1.9E-4	0.0E+0	0.0E+0	4.0E-4	-4.2E-4
1400	1.833	-0.271	2.109	-0.025	-0.320	-0.420	1.9E-3	1.8E-4	0.0E+0	0.0E+0	4.0E-4	-4.2E-4
1401	1.480	-0.224	1.699	-0.051	-0.297	-0.407	2.0E-3	2.6E-5	0.0E+0	0.0E+0	3.1E-4	-3.2E-4
1402	1.482	-0.223	1.696	-0.047	-0.332	-0.474	2.0E-3	5.6E-5	0.0E+0	0.0E+0	3.1E-4	-3.2E-4
1403	1.913	-0.280	2.198	-0.009	-0.353	-0.525	1.9E-3	1.9E-4	0.0E+0	0.0E+0	4.1E-4	-4.4E-4
1404	1.861	-0.273	2.136	-0.015	-0.351	-0.528	1.9E-3	1.9E-4	0.0E+0	0.0E+0	4.0E-4	-4.2E-4
1405	1.903	-0.280	2.192	-0.017	-0.319	-0.420	1.9E-3	1.9E-4	0.0E+0	0.0E+0	4.1E-4	-4.3E-4
1406	1.040	-1.051	0.992	-1.086	-0.065	-0.880	0.0E+0	0.0E+0	1.2E-3	-7.4E-4	3.2E-4	-4.7E-4
1407	0.966	-0.939	0.900	-0.999	-0.065	-0.870	0.0E+0	0.0E+0	1.2E-3	-8.0E-4	2.9E-4	-4.0E-4
1408	0.885	-0.827	0.812	-0.912	-0.061	-0.856	0.0E+0	0.0E+0	1.2E-3	-8.7E-4	2.6E-4	-3.2E-4
1409	1.491	-0.225	1.688	-0.044	-0.220	-0.387	0.0E+0	0.0E+0	2.9E-4	-1.7E-3	2.9E-4	-3.2E-4
1410	1.656	-0.250	1.881	-0.035	-0.227	-0.388	0.0E+0	0.0E+0	2.3E-4	-1.7E-3	3.4E-4	-3.7E-4
1411	1.816	-0.271	2.070	-0.019	-0.231	-0.388	0.0E+0	0.0E+0	2.1E-4	-1.6E-3	3.8E-4	-4.1E-4
1412	0.888	-0.827	0.809	-0.913	-0.086	-0.833	0.0E+0	0.0E+0	1.2E-3	-8.8E-4	2.6E-4	-3.2E-4
1413	0.970	-0.937	0.898	-0.999	-0.092	-0.842	0.0E+0	0.0E+0	1.1E-3	-8.1E-4	2.9E-4	-4.1E-4
1414	1.046	-1.049	0.991	-1.086	-0.095	-0.849	0.0E+0	0.0E+0	1.2E-3	-7.5E-4	3.1E-4	-4.8E-4
1415	1.650	-0.246	1.883	-0.035	-0.307	-0.512	0.0E+0	0.0E+0	2.3E-4	-1.7E-3	3.4E-4	-3.6E-4
1416	1.653	-0.248	1.882	-0.035	-0.273	-0.439	0.0E+0	0.0E+0	2.3E-4	-1.7E-3	3.4E-4	-3.7E-4
1417	1.813	-0.269	2.071	-0.019	-0.280	-0.443	0.0E+0	0.0E+0	2.1E-4	-1.6E-3	3.8E-4	-4.1E-4
1418	1.810	-0.268	2.071	-0.019	-0.313	-0.516	0.0E+0	0.0E+0	2.1E-4	-1.6E-3	3.9E-4	-4.0E-4
1419	1.489	-0.224	1.690	-0.045	-0.261	-0.432	0.0E+0	0.0E+0	2.8E-4	-1.7E-3	2.9E-4	-3.2E-4
1420	1.486	-0.222	1.692	-0.044	-0.298	-0.502	0.0E+0	0.0E+0	2.6E-4	-1.7E-3	2.9E-4	-3.2E-4
1421	1.866	-0.276	2.133	-0.013	-0.273	-0.434	0.0E+0	0.0E+0	2.1E-4	-1.6E-3	4.0E-4	-4.2E-4
1422	1.181	-1.015	1.000	-1.113	-0.299	-0.600	0.0E+0	0.0E+0	1.2E-3	-8.4E-4	1.1E-4	-6.8E-4
1423	1.116	-0.925	0.928	-1.042	-0.298	-0.596	0.0E+0	0.0E+0	1.2E-3	-8.7E-4	7.1E-5	-6.4E-4
1424	1.048	-0.835	0.855	-0.971	-0.298	-0.589	0.0E+0	0.0E+0	1.2E-3	-9.1E-4	3.5E-5	-6.0E-4
1425	0.976	-0.745	0.783	-0.901	-0.296	-0.580	0.0E+0	0.0E+0	1.2E-3	-9.8E-4	3.9E-6	-5.6E-4
1426	1.058	-0.719	0.782	-0.904	-0.255	-0.633	0.0E+0	0.0E+0	1.2E-3	-1.0E-3	-1.3E-5	-5.8E-4
1427	1.133	-0.810	0.852	-0.975	-0.258	-0.638	0.0E+0	0.0E+0	1.2E-3	-9.6E-4	2.9E-5	-6.1E-4
1428	1.205	-0.904	0.924	-1.047	-0.260	-0.642	0.0E+0	0.0E+0	1.2E-3	-9.2E-4	7.0E-5	-6.4E-4
1429	1.274	-0.999	0.995	-1.120	-0.262	-0.644	0.0E+0	0.0E+0	1.2E-3	-8.9E-4	1.1E-4	-6.8E-4



1430	1.194	-0.821	0.869	-0.994	-0.196	-0.711	0.0E+0	0.0E+0	1.2E-3	-9.7E-4	4.4E-5	-6.3E-4
1431	1.324	-0.972	0.982	-1.110	-0.179	-0.740	0.0E+0	0.0E+0	1.3E-3	-9.2E-4	1.1E-4	-6.8E-4
1432	1.299	-0.985	0.988	-1.115	-0.220	-0.691	0.0E+0	0.0E+0	1.2E-3	-9.1E-4	1.1E-4	-6.7E-4
1433	0.944	-0.763	0.784	-0.898	-0.261	-0.616	0.0E+0	0.0E+0	1.2E-3	-9.6E-4	2.0E-5	-5.4E-4
1434	1.014	-0.853	0.855	-0.967	-0.263	-0.626	0.0E+0	0.0E+0	1.2E-3	-9.0E-4	5.2E-5	-5.8E-4
1435	1.081	-0.943	0.928	-1.038	-0.264	-0.634	0.0E+0	0.0E+0	1.2E-3	-8.6E-4	8.8E-5	-6.2E-4
1436	1.145	-1.032	1.001	-1.108	-0.264	-0.639	0.0E+0	0.0E+0	1.2E-3	-8.3E-4	1.2E-4	-6.6E-4
1437	1.112	-1.047	1.001	-1.103	-0.217	-0.696	0.0E+0	0.0E+0	1.2E-3	-8.1E-4	1.6E-4	-6.3E-4
1438	1.079	-1.051	0.995	-1.094	-0.170	-0.758	0.0E+0	0.0E+0	1.2E-3	-7.9E-4	2.2E-4	-5.6E-4
1439	0.914	-0.780	0.782	-0.891	-0.217	-0.672	0.0E+0	0.0E+0	1.1E-3	-9.4E-4	4.8E-5	-5.1E-4
1440	0.981	-0.866	0.851	-0.959	-0.218	-0.683	0.0E+0	0.0E+0	1.1E-3	-9.0E-4	8.7E-5	-5.4E-4
1441	1.046	-0.954	0.923	-1.029	-0.217	-0.691	0.0E+0	0.0E+0	1.2E-3	-8.5E-4	1.3E-4	-5.8E-4
1442	1.013	-0.956	0.914	-1.018	-0.170	-0.752	0.0E+0	0.0E+0	1.1E-3	-8.4E-4	1.9E-4	-5.1E-4
1443	0.888	-0.787	0.775	-0.883	-0.181	-0.728	0.0E+0	0.0E+0	1.1E-3	-9.5E-4	9.8E-5	-4.6E-4
1444	0.943	-0.863	0.836	-0.943	-0.171	-0.745	0.0E+0	0.0E+0	1.1E-3	-9.0E-4	1.5E-4	-4.8E-4
1445	0.861	-0.778	0.763	-0.873	-0.143	-0.771	0.0E+0	0.0E+0	1.1E-3	-9.5E-4	1.7E-4	-3.8E-4
1446	1.016	-0.732	0.782	-0.902	-0.303	-0.578	0.0E+0	0.0E+0	1.2E-3	-1.0E-3	-6.7E-6	-5.7E-4
1447	1.091	-0.823	0.854	-0.973	-0.305	-0.584	0.0E+0	0.0E+0	1.2E-3	-9.4E-4	2.8E-5	-6.0E-4
1448	1.161	-0.915	0.926	-1.045	-0.307	-0.589	0.0E+0	0.0E+0	1.2E-3	-8.9E-4	6.7E-5	-6.4E-4
1449	1.228	-1.007	0.998	-1.117	-0.308	-0.593	0.0E+0	0.0E+0	1.2E-3	-8.7E-4	1.1E-4	-6.8E-4
1450	1.108	-0.714	0.788	-0.913	-0.193	-0.705	0.0E+0	0.0E+0	1.2E-3	-1.0E-3	-2.3E-6	-5.9E-4
1451	1.243	-0.904	0.929	-1.053	-0.214	-0.695	0.0E+0	0.0E+0	1.2E-3	-9.3E-4	7.6E-5	-6.5E-4
1452	1.275	-0.903	0.932	-1.059	-0.176	-0.740	0.0E+0	0.0E+0	1.3E-3	-9.4E-4	7.6E-5	-6.6E-4
1453	0.838	-0.831	0.955	-0.800	-0.320	-0.723	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	5.6E-4	-3.0E-5
1454	0.927	-0.931	1.052	-0.901	-0.304	-0.784	9.8E-4	-1.1E-3	0.0E+0	0.0E+0	6.0E-4	-7.9E-5
1455	1.030	-1.046	1.146	-1.003	-0.297	-0.819	9.7E-4	-1.0E-3	0.0E+0	0.0E+0	6.4E-4	-1.3E-4
1456	1.058	-1.065	1.055	-1.102	-0.372	-0.723	9.0E-4	-9.7E-4	0.0E+0	0.0E+0	5.8E-4	-2.0E-4
1457	0.983	-0.976	0.985	-1.026	-0.365	-0.713	9.2E-4	-9.8E-4	0.0E+0	0.0E+0	5.4E-4	-1.6E-4
1458	0.910	-0.890	0.913	-0.950	-0.360	-0.702	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	5.1E-4	-1.1E-4
1459	0.840	-0.807	0.838	-0.871	-0.355	-0.692	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	4.7E-4	-7.6E-5
1460	0.841	-0.827	0.909	-0.843	-0.357	-0.704	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	5.3E-4	-3.2E-5
1461	0.932	-0.924	1.001	-0.944	-0.368	-0.717	9.6E-4	-1.0E-3	0.0E+0	0.0E+0	5.8E-4	-8.1E-5
1462	1.032	-1.037	1.091	-1.045	-0.379	-0.729	9.4E-4	-1.0E-3	0.0E+0	0.0E+0	6.3E-4	-1.3E-4
1463	0.926	-0.925	1.035	-0.915	-0.349	-0.734	9.8E-4	-1.0E-3	0.0E+0	0.0E+0	5.9E-4	-7.7E-5
1464	0.927	-0.922	1.018	-0.930	-0.359	-0.725	9.7E-4	-1.0E-3	0.0E+0	0.0E+0	5.9E-4	-7.6E-5
1465	1.029	-1.040	1.127	-1.017	-0.354	-0.758	9.6E-4	-1.0E-3	0.0E+0	0.0E+0	6.4E-4	-1.3E-4
1466	1.030	-1.037	1.109	-1.031	-0.372	-0.738	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	6.4E-4	-1.3E-4
1467	1.100	-1.115	1.175	-1.093	-0.377	-0.749	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	6.7E-4	-1.6E-4
1468	1.065	-1.076	1.142	-1.062	-0.374	-0.744	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	6.5E-4	-1.5E-4
1469	1.047	-1.060	1.144	-1.033	-0.350	-0.766	9.6E-4	-1.0E-3	0.0E+0	0.0E+0	6.5E-4	-1.3E-4
1470	0.847	-0.810	0.823	-0.885	-0.329	-0.692	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	4.3E-4	-1.1E-4
1471	0.917	-0.892	0.896	-0.963	-0.331	-0.709	9.4E-4	-9.8E-4	0.0E+0	0.0E+0	4.7E-4	-1.6E-4
1472	0.988	-0.978	0.966	-1.038	-0.333	-0.724	9.1E-4	-9.5E-4	0.0E+0	0.0E+0	5.1E-4	-2.1E-4
1473	1.058	-1.066	1.034	-1.112	-0.337	-0.737	8.9E-4	-9.5E-4	0.0E+0	0.0E+0	5.4E-4	-2.6E-4
1474	1.059	-1.065	1.016	-1.115	-0.292	-0.751	9.1E-4	-9.3E-4	0.0E+0	0.0E+0	4.8E-4	-3.4E-4
1475	1.058	-1.057	0.999	-1.105	-0.229	-0.771	9.5E-4	-9.2E-4	0.0E+0	0.0E+0	4.1E-4	-4.2E-4
1476	0.858	-0.809	0.808	-0.893	-0.291	-0.699	9.6E-4	-1.0E-3	0.0E+0	0.0E+0	4.0E-4	-1.7E-4
1477	0.924	-0.889	0.877	-0.968	-0.290	-0.719	9.2E-4	-9.6E-4	0.0E+0	0.0E+0	4.4E-4	-2.2E-4
1478	0.990	-0.973	0.944	-1.040	-0.289	-0.737	9.1E-4	-9.3E-4	0.0E+0	0.0E+0	4.7E-4	-2.9E-4
1479	0.990	-0.962	0.922	-1.029	-0.229	-0.755	9.3E-4	-9.1E-4	0.0E+0	0.0E+0	4.2E-4	-3.8E-4
1480	0.860	-0.800	0.793	-0.893	-0.250	-0.714	9.4E-4	-1.0E-3	0.0E+0	0.0E+0	3.7E-4	-2.2E-4
1481	0.920	-0.871	0.848	-0.955	-0.232	-0.736	9.2E-4	-9.3E-4	0.0E+0	0.0E+0	4.1E-4	-3.2E-4
1482	0.851	-0.783	0.773	-0.880	-0.194	-0.744	9.2E-4	-9.8E-4	0.0E+0	0.0E+0	3.5E-4	-2.8E-4
1483	0.846	-0.817	0.860	-0.863	-0.371	-0.683	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	5.1E-4	-5.6E-5
1484	0.848	-0.827	0.884	-0.854	-0.365	-0.690	9.9E-4	-1.0E-3	0.0E+0	0.0E+0	5.2E-4	-4.2E-5
1485	0.918	-0.903	0.941	-0.949	-0.379	-0.695	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	5.4E-4	-9.5E-5
1486	0.926	-0.914	0.970	-0.947	-0.375	-0.706	9.5E-4	-1.0E-3	0.0E+0	0.0E+0	5.6E-4	-8.4E-5
1487	0.992	-0.989	1.013	-1.027	-0.385	-0.705	9.3E-4	-9.9E-4	0.0E+0	0.0E+0	5.7E-4	-1.4E-4
1488	1.024	-1.026	1.060	-1.050	-0.386	-0.717	9.3E-4	-1.0E-3	0.0E+0	0.0E+0	6.1E-4	-1.4E-4
1489	1.061	-1.068	1.072	-1.097	-0.388	-0.715	9.1E-4	-9.8E-4	0.0E+0	0.0E+0	6.0E-4	-1.8E-4
1490	0.829	-0.813	0.941	-0.813	-0.330	-0.717	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	5.5E-4	-3.0E-5
1491	0.831	-0.814	0.925	-0.828	-0.346	-0.713	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	5.4E-4	-3.4E-5
1492	1.101	-1.114	1.162	-1.103	-0.382	-0.742	9.4E-4	-1.0E-3	0.0E+0	0.0E+0	6.7E-4	-1.7E-4
1493	1.066	-1.075	1.131	-1.070	-0.379	-0.738	9.4E-4	-1.0E-3	0.0E+0	0.0E+0	6.5E-4	-1.5E-4
1494	1.094	-1.110	1.186	-1.077	-0.349	-0.778	9.6E-4	-1.0E-3	0.0E+0	0.0E+0	6.7E-4	-1.6E-4
1495	1.208	-1.099	1.145	-0.997	-0.055	-0.766	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	3.1E-4	-4.6E-4
1496	1.088	-1.004	1.046	-0.897	-0.048	-0.754	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	2.6E-4	-4.1E-4
1497	0.964	-0.903	0.946	-0.804	-0.041	-0.742	1.1E-3	-9.3E-4	0.0E+0	0.0E+0	2.2E-4	-3.6E-4
1498	1.287	-1.038	0.951	-1.181	-0.336	-0.491	8.5E-4	-1.1E-3	0.0E+0	0.0E+0	3.8E-4	-3.9E-4
1499	1.159	-0.962	0.868	-1.075	-0.322	-0.485	8.7E-4	-1.1E-3	0.0E+0	0.0E+0	3.4E-4	-3.4E-4
1500	1.020	-0.874	0.783	-0.967	-0.303	-0.481	8.9E-4	-1.1E-3	0.0E+0	0.0E+0	2.8E-4	-2.9E-4
1501	1.016	-0.878	0.785	-0.970	-0.314	-0.415	9.0E-4	-1.1E-3	0.0E+0	0.0E+0	3.0E-4	-3.0E-4



1502	1.156	-0.965	0.871	-1.079	-0.332	-0.421	8.7E-4	-1.1E-3	0.0E+0	0.0E+0	3.4E-4	-3.5E-4
1503	1.285	-1.041	0.955	-1.186	-0.345	-0.428	8.6E-4	-1.1E-3	0.0E+0	0.0E+0	3.9E-4	-3.9E-4
1504	1.512	-0.811	0.859	-1.252	-0.384	-0.466	7.5E-4	-1.1E-3	0.0E+0	0.0E+0	4.1E-4	-3.6E-4
1505	1.361	-0.758	0.786	-1.141	-0.372	-0.458	7.6E-4	-1.2E-3	0.0E+0	0.0E+0	3.6E-4	-3.1E-4
1506	1.199	-0.693	0.712	-1.028	-0.353	-0.454	7.9E-4	-1.2E-3	0.0E+0	0.0E+0	3.1E-4	-2.6E-4
1507	1.195	-0.697	0.717	-1.028	-0.266	-0.440	7.9E-4	-1.2E-3	0.0E+0	0.0E+0	3.3E-4	-2.7E-4
1508	1.358	-0.761	0.792	-1.142	-0.285	-0.444	7.7E-4	-1.2E-3	0.0E+0	0.0E+0	3.7E-4	-3.2E-4
1509	1.510	-0.814	0.866	-1.254	-0.300	-0.450	7.5E-4	-1.1E-3	0.0E+0	0.0E+0	4.2E-4	-3.6E-4
1510	1.152	-0.716	0.749	-0.986	-0.110	-0.830	9.6E-4	-9.7E-4	0.0E+0	0.0E+0	1.2E-5	-6.2E-4
1511	1.252	-0.838	0.841	-1.078	-0.126	-0.843	9.3E-4	-9.4E-4	0.0E+0	0.0E+0	6.1E-5	-6.7E-4
1512	1.345	-0.962	0.930	-1.169	-0.139	-0.854	9.1E-4	-9.4E-4	0.0E+0	0.0E+0	1.0E-4	-7.0E-4
1513	0.964	-0.906	0.944	-0.808	-0.065	-0.706	1.0E-3	-9.4E-4	0.0E+0	0.0E+0	2.3E-4	-3.5E-4
1514	1.086	-1.006	1.044	-0.903	-0.071	-0.717	1.0E-3	-1.0E-3	0.0E+0	0.0E+0	2.6E-4	-4.0E-4
1515	1.207	-1.101	1.143	-1.004	-0.074	-0.731	1.0E-3	-1.1E-3	0.0E+0	0.0E+0	3.1E-4	-4.6E-4
1516	1.019	-0.876	0.783	-0.968	-0.335	-0.433	8.9E-4	-1.1E-3	0.0E+0	0.0E+0	2.9E-4	-2.9E-4
1517	1.018	-0.878	0.784	-0.969	-0.345	-0.402	9.0E-4	-1.1E-3	0.0E+0	0.0E+0	2.9E-4	-3.0E-4
1518	1.143	-0.954	0.859	-1.064	-0.347	-0.441	8.7E-4	-1.1E-3	0.0E+0	0.0E+0	3.3E-4	-3.4E-4
1519	1.156	-0.963	0.868	-1.076	-0.356	-0.418	8.7E-4	-1.1E-3	0.0E+0	0.0E+0	3.4E-4	-3.4E-4
1520	1.283	-1.037	0.950	-1.180	-0.363	-0.438	8.6E-4	-1.1E-3	0.0E+0	0.0E+0	3.8E-4	-3.9E-4
1521	1.239	-1.010	0.920	-1.142	-0.352	-0.453	8.6E-4	-1.1E-3	0.0E+0	0.0E+0	3.7E-4	-3.7E-4
1522	1.199	-0.695	0.713	-1.028	-0.358	-0.419	7.9E-4	-1.2E-3	0.0E+0	0.0E+0	3.2E-4	-2.6E-4
1523	1.197	-0.697	0.715	-1.028	-0.320	-0.418	7.9E-4	-1.2E-3	0.0E+0	0.0E+0	3.2E-4	-2.7E-4
1524	1.343	-0.753	0.780	-1.129	-0.368	-0.428	7.6E-4	-1.2E-3	0.0E+0	0.0E+0	3.6E-4	-3.1E-4
1525	1.358	-0.759	0.789	-1.140	-0.345	-0.424	7.7E-4	-1.2E-3	0.0E+0	0.0E+0	3.7E-4	-3.1E-4
1526	1.507	-0.812	0.860	-1.250	-0.365	-0.436	7.5E-4	-1.1E-3	0.0E+0	0.0E+0	4.1E-4	-3.6E-4
1527	1.455	-0.792	0.833	-1.211	-0.376	-0.440	7.5E-4	-1.1E-3	0.0E+0	0.0E+0	4.0E-4	-3.4E-4
1528	1.256	-0.835	0.871	-1.036	-0.148	-0.788	9.3E-4	-9.3E-4	0.0E+0	0.0E+0	5.2E-5	-6.7E-4
1529	1.255	-0.836	0.855	-1.059	-0.136	-0.817	9.3E-4	-9.3E-4	0.0E+0	0.0E+0	5.7E-5	-6.7E-4
1530	1.347	-0.960	0.945	-1.147	-0.147	-0.825	9.1E-4	-9.4E-4	0.0E+0	0.0E+0	9.9E-5	-7.0E-4
1531	1.349	-0.959	0.960	-1.126	-0.154	-0.796	9.0E-4	-9.5E-4	0.0E+0	0.0E+0	9.6E-5	-7.0E-4
1532	1.392	-1.023	0.993	-1.188	-0.153	-0.823	9.0E-4	-9.4E-4	0.0E+0	0.0E+0	1.2E-4	-7.1E-4
1533	1.154	-0.714	0.762	-0.970	-0.124	-0.809	9.6E-4	-9.6E-4	0.0E+0	0.0E+0	4.8E-6	-6.1E-4
1534	1.157	-0.712	0.779	-0.948	-0.140	-0.780	9.4E-4	-9.3E-4	0.0E+0	0.0E+0	1.0E-5	-6.2E-4
1535	1.393	-1.022	1.005	-1.170	-0.158	-0.797	9.0E-4	-9.5E-4	0.0E+0	0.0E+0	1.2E-4	-7.1E-4
1536	1.034	-1.274	1.239	-1.076	0.068	-0.800	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	5.0E-4	-2.7E-4
1537	0.949	-1.143	1.121	-0.969	0.072	-0.789	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	4.5E-4	-2.4E-4
1538	0.860	-1.009	1.003	-0.865	0.075	-0.777	1.2E-3	-1.0E-3	0.0E+0	0.0E+0	4.0E-4	-2.3E-4
1539	0.956	-0.911	0.958	-0.841	-0.001	-0.723	1.1E-3	-1.0E-3	0.0E+0	0.0E+0	2.5E-4	-3.3E-4
1540	1.081	-1.010	1.064	-0.944	-0.005	-0.736	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	2.9E-4	-3.9E-4
1541	1.203	-1.105	1.169	-1.054	-0.010	-0.748	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	3.3E-4	-4.4E-4
1542	0.859	-1.011	1.018	-0.873	0.041	-0.762	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	4.0E-4	-2.2E-4
1543	0.948	-1.144	1.141	-0.978	0.034	-0.774	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	4.5E-4	-2.4E-4
1544	1.033	-1.275	1.261	-1.086	0.029	-0.784	1.2E-3	-1.1E-3	0.0E+0	0.0E+0	5.1E-4	-2.6E-4
1545	0.958	-0.910	0.948	-0.826	-0.026	-0.712	1.1E-3	-1.0E-3	0.0E+0	0.0E+0	2.4E-4	-3.4E-4
1546	1.083	-1.009	1.051	-0.925	-0.030	-0.726	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	2.9E-4	-4.0E-4
1547	1.205	-1.104	1.154	-1.031	-0.035	-0.738	1.1E-3	-1.1E-3	0.0E+0	0.0E+0	3.2E-4	-4.5E-4
1548	1.068	-1.064	1.152	-1.005	-0.204	-0.572	0.0E+0	0.0E+0	8.7E-4	-1.0E-3	3.1E-4	-4.6E-4
1549	0.968	-0.978	1.052	-0.903	-0.208	-0.564	0.0E+0	0.0E+0	9.2E-4	-1.1E-3	2.7E-4	-4.0E-4
1550	0.863	-0.884	0.954	-0.803	-0.218	-0.550	0.0E+0	0.0E+0	1.0E-3	-1.1E-3	2.4E-4	-3.4E-4
1551	0.848	-0.868	0.997	-0.731	-0.227	-0.605	0.0E+0	0.0E+0	1.0E-3	-9.1E-4	3.7E-4	-3.6E-4
1552	0.933	-0.973	1.151	-0.770	-0.235	-0.605	0.0E+0	0.0E+0	1.1E-3	-8.6E-4	3.8E-4	-4.0E-4
1553	1.013	-1.089	1.328	-0.806	-0.240	-0.606	0.0E+0	0.0E+0	1.2E-3	-7.8E-4	3.9E-4	-4.3E-4
1554	1.131	-1.074	1.144	-1.006	-0.252	-0.518	0.0E+0	0.0E+0	9.1E-4	-1.1E-3	3.0E-4	-4.8E-4
1555	1.020	-0.984	1.042	-0.904	-0.251	-0.512	0.0E+0	0.0E+0	9.4E-4	-1.1E-3	2.7E-4	-4.2E-4
1556	0.905	-0.889	0.944	-0.807	-0.244	-0.507	0.0E+0	0.0E+0	1.0E-3	-1.2E-3	2.3E-4	-3.6E-4
1557	1.068	-1.001	1.040	-0.906	-0.107	-0.662	0.0E+0	0.0E+0	9.8E-4	-1.2E-3	2.7E-4	-4.1E-4
1558	1.053	-0.995	1.040	-0.904	-0.155	-0.611	0.0E+0	0.0E+0	9.6E-4	-1.2E-3	2.6E-4	-4.2E-4
1559	1.036	-0.990	1.040	-0.904	-0.202	-0.562	0.0E+0	0.0E+0	9.6E-4	-1.2E-3	2.7E-4	-4.2E-4
1560	1.188	-1.095	1.142	-1.008	-0.105	-0.673	0.0E+0	0.0E+0	9.6E-4	-1.2E-3	3.0E-4	-4.7E-4
1561	1.169	-1.088	1.142	-1.007	-0.154	-0.619	0.0E+0	0.0E+0	9.4E-4	-1.2E-3	3.0E-4	-4.7E-4
1562	1.150	-1.081	1.143	-1.006	-0.202	-0.568	0.0E+0	0.0E+0	9.2E-4	-1.2E-3	3.0E-4	-4.8E-4
1563	1.243	-1.140	1.192	-1.061	-0.113	-0.667	0.0E+0	0.0E+0	9.5E-4	-1.2E-3	3.2E-4	-5.0E-4
1564	1.079	-1.063	1.150	-1.004	-0.284	-0.492	0.0E+0	0.0E+0	8.7E-4	-1.0E-3	3.1E-4	-4.6E-4
1565	0.977	-0.976	1.049	-0.902	-0.286	-0.486	0.0E+0	0.0E+0	9.3E-4	-1.1E-3	2.8E-4	-4.0E-4
1566	0.870	-0.883	0.950	-0.799	-0.291	-0.476	0.0E+0	0.0E+0	1.0E-3	-1.1E-3	2.4E-4	-3.4E-4
1567	0.878	-0.882	0.949	-0.802	-0.337	-0.423	0.0E+0	0.0E+0	1.0E-3	-1.1E-3	2.4E-4	-3.5E-4
1568	0.889	-0.883	0.947	-0.805	-0.310	-0.443	0.0E+0	0.0E+0	1.0E-3	-1.2E-3	2.4E-4	-3.6E-4
1569	1.091	-1.062	1.148	-1.004	-0.344	-0.430	0.0E+0	0.0E+0	8.8E-4	-1.1E-3	3.1E-4	-4.6E-4
1570	0.986	-0.975	1.047	-0.901	-0.341	-0.427	0.0E+0	0.0E+0	9.2E-4	-1.1E-3	2.8E-4	-4.1E-4
1571	1.000	-0.977	1.045	-0.903	-0.316	-0.448	0.0E+0	0.0E+0	9.3E-4	-1.1E-3	2.7E-4	-4.1E-4
1572	1.108	-1.065	1.146	-1.005	-0.319	-0.452	0.0E+0	0.0E+0	8.9E-4	-1.1E-3	3.1E-4	-4.7E-4
1573	0.947	-0.904	0.940	-0.808	-0.113	-0.645	0.0E+0	0.0E+0	1.0E-3	-1.3E-3	2.3E-4	-3.5E-4



1574	0.933	-0.899	0.936	-0.805	-0.157	-0.601	0.0E+0	0.0E+0	1.0E-3	-1.3E-3	2.3E-4	-3.7E-4
1575	0.919	-0.894	0.939	-0.806	-0.195	-0.558	0.0E+0	0.0E+0	1.0E-3	-1.2E-3	2.3E-4	-3.6E-4
1576	1.222	-1.131	1.192	-1.060	-0.163	-0.610	0.0E+0	0.0E+0	9.3E-4	-1.2E-3	3.2E-4	-5.0E-4
1577	1.205	-1.125	1.194	-1.059	-0.205	-0.567	0.0E+0	0.0E+0	9.2E-4	-1.1E-3	3.2E-4	-5.1E-4
1578	1.053	-1.087	1.292	-1.087	-0.175	-0.675	0.0E+0	0.0E+0	1.0E-3	-7.7E-4	5.5E-4	-2.0E-4
1579	0.975	-0.984	1.170	-0.975	-0.182	-0.663	0.0E+0	0.0E+0	1.1E-3	-8.6E-4	4.9E-4	-1.6E-4
1580	0.885	-0.875	1.052	-0.866	-0.198	-0.642	0.0E+0	0.0E+0	1.2E-3	-1.0E-3	4.3E-4	-1.2E-4
1581	0.882	-0.837	1.127	-0.770	-0.245	-0.696	0.0E+0	0.0E+0	8.3E-4	-8.9E-4	2.9E-4	-4.5E-4
1582	0.972	-0.922	1.321	-0.799	-0.262	-0.696	0.0E+0	0.0E+0	9.9E-4	-9.5E-4	2.1E-4	-5.5E-4
1583	1.070	-1.020	1.539	-0.824	-0.272	-0.697	0.0E+0	0.0E+0	1.1E-3	-1.0E-3	1.9E-4	-6.4E-4
1584	1.042	-1.107	1.290	-1.086	-0.271	-0.568	0.0E+0	0.0E+0	1.1E-3	-7.8E-4	5.5E-4	-2.0E-4
1585	0.963	-1.001	1.166	-0.973	-0.276	-0.559	0.0E+0	0.0E+0	1.1E-3	-8.6E-4	4.9E-4	-1.7E-4
1586	0.873	-0.889	1.047	-0.862	-0.285	-0.545	0.0E+0	0.0E+0	1.2E-3	-1.0E-3	4.3E-4	-1.4E-4
1587	1.031	-1.127	1.288	-1.086	-0.345	-0.481	0.0E+0	0.0E+0	1.1E-3	-7.9E-4	5.6E-4	-2.0E-4
1588	0.952	-1.019	1.164	-0.974	-0.343	-0.478	0.0E+0	0.0E+0	1.1E-3	-8.6E-4	4.9E-4	-1.7E-4
1589	0.863	-0.905	1.044	-0.865	-0.341	-0.472	0.0E+0	0.0E+0	1.2E-3	-9.8E-4	4.3E-4	-1.4E-4
1590	1.026	-1.153	1.287	-1.087	-0.345	-0.467	0.0E+0	0.0E+0	1.1E-3	-8.0E-4	5.6E-4	-2.0E-4
1591	0.946	-1.041	1.163	-0.976	-0.342	-0.464	0.0E+0	0.0E+0	1.2E-3	-8.6E-4	4.9E-4	-1.7E-4
1592	0.858	-0.924	1.043	-0.869	-0.337	-0.458	0.0E+0	0.0E+0	1.2E-3	-9.7E-4	4.2E-4	-1.4E-4
1593	1.026	-1.185	1.286	-1.089	-0.262	-0.535	0.0E+0	0.0E+0	1.2E-3	-8.1E-4	5.6E-4	-2.0E-4
1594	0.945	-1.069	1.163	-0.979	-0.259	-0.531	0.0E+0	0.0E+0	1.2E-3	-8.7E-4	4.9E-4	-1.7E-4
1595	0.857	-0.948	1.042	-0.873	-0.255	-0.525	0.0E+0	0.0E+0	1.3E-3	-9.6E-4	4.2E-4	-1.5E-4
1596	0.857	-0.971	1.040	-0.876	-0.172	-0.594	0.0E+0	0.0E+0	1.3E-3	-9.5E-4	4.2E-4	-1.6E-4
1597	0.857	-0.993	1.039	-0.879	-0.088	-0.667	0.0E+0	0.0E+0	1.3E-3	-9.4E-4	4.1E-4	-1.7E-4
1598	1.027	-1.217	1.285	-1.092	-0.177	-0.608	0.0E+0	0.0E+0	1.2E-3	-8.3E-4	5.6E-4	-2.1E-4
1599	0.944	-1.096	1.163	-0.981	-0.175	-0.603	0.0E+0	0.0E+0	1.3E-3	-8.7E-4	4.9E-4	-1.8E-4
1600	0.944	-1.121	1.162	-0.984	-0.091	-0.678	0.0E+0	0.0E+0	1.3E-3	-8.8E-4	4.7E-4	-2.0E-4
1601	1.028	-1.247	1.285	-1.093	-0.093	-0.686	0.0E+0	0.0E+0	1.3E-3	-8.5E-4	5.4E-4	-2.3E-4
1602	1.060	-1.027	1.526	-0.767	-0.222	-0.869	2.4E-3	-1.7E-4	0.0E+0	0.0E+0	2.5E-4	-6.2E-4
1603	0.966	-0.926	1.304	-0.751	-0.207	-0.854	2.2E-3	-1.7E-4	0.0E+0	0.0E+0	3.0E-4	-5.2E-4
1604	0.879	-0.829	1.109	-0.735	-0.193	-0.844	1.8E-3	-2.2E-4	0.0E+0	0.0E+0	2.8E-4	-3.6E-4
1605	0.840	-0.871	1.024	-0.758	-0.196	-0.708	1.5E-3	-4.8E-4	0.0E+0	0.0E+0	2.9E-4	-3.7E-4
1606	0.927	-0.978	1.181	-0.802	-0.216	-0.731	1.8E-3	-4.2E-4	0.0E+0	0.0E+0	3.3E-4	-4.2E-4
1607	1.005	-1.092	1.361	-0.842	-0.235	-0.752	2.0E-3	-4.0E-4	0.0E+0	0.0E+0	3.5E-4	-4.5E-4
1608	0.963	-0.927	1.314	-0.773	-0.228	-0.836	2.2E-3	-2.3E-4	0.0E+0	0.0E+0	2.6E-4	-5.3E-4
1609	1.057	-1.028	1.534	-0.794	-0.242	-0.849	2.4E-3	-1.9E-4	0.0E+0	0.0E+0	2.3E-4	-6.2E-4
1610	0.876	-0.831	1.119	-0.752	-0.212	-0.823	1.9E-3	-2.2E-4	0.0E+0	0.0E+0	2.3E-4	-3.7E-4
1611	1.090	-1.063	1.611	-0.799	-0.247	-0.853	2.4E-3	-1.7E-4	0.0E+0	0.0E+0	2.2E-4	-6.4E-4
1612	0.844	-0.868	1.009	-0.740	-0.202	-0.695	1.5E-3	-4.4E-4	0.0E+0	0.0E+0	3.4E-4	-3.6E-4
1613	0.930	-0.975	1.164	-0.782	-0.218	-0.713	1.8E-3	-4.3E-4	0.0E+0	0.0E+0	3.6E-4	-4.0E-4
1614	1.008	-1.089	1.345	-0.822	-0.233	-0.729	2.0E-3	-3.8E-4	0.0E+0	0.0E+0	3.8E-4	-4.4E-4

#### 4.4.2 Verifica.

Tale verifica, controlla che gli spostamenti strutturali non producano danni tali da compromettere l'agibilità della struttura. Gli spostamenti considerati sono relativi alle combinazioni di carico descritte nel paragrafo "Condizioni di carico valutate" della presente relazione.

Si riportano i dati della verifica:

Vx max : valore massimo della traslazione X globale dell'impalcato considerato;  
Vy max : valore massimo della traslazione Y globale dell'impalcato considerato;  
Vx min : valore minimo della traslazione X globale dell'impalcato considerato;  
Vy min : valore minimo della traslazione Y globale dell'impalcato considerato;

Tabella 20.II

Piano Reale	Vx min [cm]	Vx max [cm]	Vy min [cm]	Vy max [cm]
0	-0.1830	0.1828	-0.1836	0.1819
1	-0.3814	0.4012	-0.3950	0.4511
2	-1.2444	1.3179	-1.3070	1.4958
3	-1.7942	1.9740	-2.0868	2.2660

Per edifici con struttura portante in muratura ordinaria il controllo viene fatto tramite la seguente relazione:

$$d_r < 0.0020 h$$



dove:

d<sub>r</sub>: spostamento relativo tra due impalcati consecutivi;

h: altezza dell'impalcato;

Si riportano, quindi, i risultati della verifica:

Impalcati : impalcati relativi al piano reale considerato;  
 drx : traslazione relativa X globale del piano considerato;  
 dry : traslazione relativa Y globale del piano considerato;  
 h : altezza del piano considerato;  
 dlim : spostamento limite da normativa;  
 Esito : esito della verifica;

Tabella 20.III

Piano Reale	Impalcati	drx [cm]	dry [cm]	h [cm]	dlim [cm]	Esito
1	0 - 1	0.2184	0.2692	200.00	0.40	Verificato
2	1 - 2	0.9167	1.0447	483.00	0.97	Non Verificato
3	2 - 3	0.6562	0.7798	387.00	0.77	Non Verificato

## 4.5 Verifica Elementi Bidimensionali.

### 4.5.1 Verifica Pareti.

#### 4.5.1.1 Verifica Pareti in Muratura.

Tabella 21.I

##### Dati geometrici

Maschio : numero identificativo dei maschi murari di ogni parete;

Imp. : numero dell'impalcato al quale appartiene la parete;

Fili : numero dei fili fissi ai quali appartiene la parete;

L : lunghezza della parete;

H : altezza della parete;

sp : spessore della parete;

Maschio	Imp.	Fili	L [cm]	H [cm]	Sp [cm]
1	Piano 1	1, 2	545.00	200.00	60.00
2	Piano 1	1, 2	68.30	200.00	60.00
3	Piano 1	1, 8	140.00	200.00	60.00
4	Piano 1	1, 8	140.00	200.00	60.00
5	Piano 1	1, 8	140.00	200.00	60.00
6	Piano 1	1, 8	143.00	200.00	60.00
7	Piano 1	2, 3	332.40	200.00	60.00
8	Piano 1	2, 9	863.00	200.00	50.00
9	Piano 1	3, 4	145.00	200.00	60.00
10	Piano 1	3, 4	1240.00	200.00	60.00
11	Piano 1	3, 4	235.00	200.00	60.00
12	Piano 1	3, 4	159.40	200.00	60.00
13	Piano 1	5, 4	120.00	200.00	60.00
14	Piano 1	5, 4	112.40	200.00	60.00
15	Piano 1	6, 5	713.30	200.00	60.00
16	Piano 1	10, 5	856.00	200.00	50.00
17	Piano 1	7, 6	130.00	200.00	60.00
18	Piano 1	7, 6	140.00	200.00	60.00
19	Piano 1	7, 6	140.00	200.00	60.00
20	Piano 1	7, 6	146.00	200.00	60.00
21	Piano 1	8, 7	87.00	200.00	60.00
22	Piano 1	8, 7	93.40	200.00	60.00
23	Piano 1	7, 10	688.30	200.00	50.00
24	Piano 1	8, 9	688.30	200.00	50.00
25	Piano 1	9, 10	360.40	200.00	50.00



26	Piano 2	1, 2	40.00	483.00	55.00
27	Piano 2	1, 2	355.00	483.00	55.00
28	Piano 2	1, 2	33.30	483.00	55.00
29	Piano 2	1, 8	100.00	483.00	55.00
30	Piano 2	1, 8	65.00	483.00	55.00
31	Piano 2	1, 8	65.00	483.00	55.00
32	Piano 2	1, 8	113.00	483.00	55.00
33	Piano 2	2, 3	86.00	483.00	55.00
34	Piano 2	2, 3	61.40	483.00	55.00
35	Piano 2	2, 9	126.00	483.00	50.00
36	Piano 2	2, 9	311.00	483.00	50.00
37	Piano 2	2, 9	151.00	483.00	50.00
38	Piano 2	3, 4	110.00	483.00	55.00
39	Piano 2	3, 4	161.00	483.00	55.00
40	Piano 2	3, 4	174.00	483.00	55.00
41	Piano 2	3, 4	92.00	483.00	55.00
42	Piano 2	3, 4	89.00	483.00	55.00
43	Piano 2	3, 4	175.00	483.00	55.00
44	Piano 2	3, 4	162.00	483.00	55.00
45	Piano 2	3, 4	126.40	483.00	55.00
46	Piano 2	5, 4	87.00	483.00	55.00
47	Piano 2	5, 4	75.40	483.00	55.00
48	Piano 2	6, 5	510.00	483.00	55.00
49	Piano 2	6, 5	33.30	483.00	55.00
50	Piano 2	10, 5	153.00	483.00	50.00
51	Piano 2	10, 5	153.00	483.00	50.00
52	Piano 2	10, 5	275.00	483.00	50.00
53	Piano 2	7, 6	96.00	483.00	55.00
54	Piano 2	7, 6	65.00	483.00	55.00
55	Piano 2	7, 6	65.00	483.00	55.00
56	Piano 2	7, 6	110.00	483.00	55.00
57	Piano 2	8, 7	87.00	483.00	55.00
58	Piano 2	8, 7	93.40	483.00	55.00
59	Piano 2	7, 10	40.00	483.00	50.00
60	Piano 2	7, 10	538.30	483.00	50.00
61	Piano 2	8, 9	693.30	483.00	50.00
62	Piano 2	9, 10	40.00	483.00	50.00
63	Piano 2	9, 10	180.40	483.00	50.00
64	Piano 3	1, 2	537.00	387.00	45.00
65	Piano 3	1, 2	51.30	387.00	45.00
66	Piano 3	1, 8	131.00	387.00	45.00
67	Piano 3	1, 8	100.00	387.00	45.00
68	Piano 3	1, 8	103.00	387.00	45.00
69	Piano 3	1, 8	124.00	387.00	45.00
70	Piano 3	2, 3	110.00	387.00	45.00
71	Piano 3	2, 3	97.40	387.00	45.00
72	Piano 3	2, 9	445.00	387.00	40.00
73	Piano 3	2, 9	318.00	387.00	40.00
74	Piano 3	3, 4	128.00	387.00	45.00
75	Piano 3	3, 4	198.00	387.00	45.00
76	Piano 3	3, 4	363.00	387.00	45.00
77	Piano 3	3, 4	367.00	387.00	45.00
78	Piano 3	3, 4	198.00	387.00	45.00
79	Piano 3	3, 4	150.40	387.00	45.00
80	Piano 3	5, 4	104.00	387.00	45.00
81	Piano 3	5, 4	103.40	387.00	45.00
82	Piano 3	6, 5	728.30	387.00	45.00
83	Piano 3	10, 5	746.00	387.00	40.00
84	Piano 3	7, 6	116.00	387.00	45.00
85	Piano 3	7, 6	100.00	387.00	45.00
86	Piano 3	7, 6	100.00	387.00	45.00
87	Piano 3	7, 6	135.00	387.00	45.00
88	Piano 3	8, 7	102.00	387.00	45.00
89	Piano 3	8, 7	118.40	387.00	45.00
90	Piano 3	7, 10	573.00	387.00	40.00
91	Piano 3	7, 10	36.30	387.00	40.00
92	Piano 3	8, 9	573.00	387.00	40.00
93	Piano 3	8, 9	36.30	387.00	40.00
94	Piano 3	9, 10	100.00	387.00	40.00
95	Piano 3	9, 10	110.40	387.00	40.00



**4.5.1.1.1 Verifica Carichi Verticali.**

Parete : numero della parete  
 Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 Maschio : numero identificativo dei maschi murari di ogni parete;  
 N : Sforzo normale nella sezione testa  
 $\lambda$  : snellezza della parete  
 m : coefficiente di eccentricità  
 $\Phi$  : coefficiente di riduzione  
 A : area della sezione trasversale  
 $\sigma$  : tensione massima raggiunta dalla parete  
 $\sigma_{lim}$  : tensione limite di calcolo  
 S : coefficiente di sicurezza  
 Esito : V : Verificato  
 : NV : Non Verificato

Verifica carichi verticali nella sezione di testa												
Parete	Imp.	Fili	Maschio	N [daN]	$\lambda$	m	$\Phi$	A [cm <sup>2</sup> ]	$\sigma$ [daN/cm <sup>2</sup> ]	$\sigma_{lim}$ [daN/cm <sup>2</sup> ]	S	Esito
1	Piano 1	1, 2	1	57822.88	3.33	0.35	0.80	32700.00	2.22	5.56	2.51	V
			2	6523.57	3.33	0.35	0.80	4098.00	1.99	5.56	2.78	V
2	Piano 1	1, 8	1	30514.20	3.33	0.35	0.80	8400.00	4.55	9.58	2.11	V
			2	30392.55	3.33	0.35	0.80	8400.00	4.53	9.58	2.11	V
			3	30640.98	3.33	0.35	0.80	8400.00	4.57	9.58	2.10	V
			4	31217.21	3.33	0.35	0.80	8580.00	4.56	9.58	2.10	V
3	Piano 1	2, 3	1	23572.64	2.99	0.35	0.80	19944.00	1.48	5.56	3.76	V
4	Piano 1	2, 9	1	183039.50	4.00	0.12	0.91	43150.00	4.64	5.56	1.20	V
5	Piano 1	3, 4	1	22199.61	3.33	0.35	0.80	8700.00	3.20	9.58	3.00	V
			2	151368.91	3.33	0.35	0.80	74400.00	2.55	9.58	3.76	V
			3	34349.26	3.33	0.35	0.80	14100.00	3.05	9.58	3.14	V
			4	24873.60	3.33	0.35	0.80	9563.99	3.26	9.58	2.94	V
6	Piano 1	5, 4	1	12618.78	3.33	0.35	0.80	7200.00	2.20	5.56	2.53	V
			2	11790.41	3.33	0.35	0.80	6744.00	2.19	5.56	2.54	V
7	Piano 1	6, 5	1	72829.20	3.33	0.35	0.80	42798.00	2.13	5.56	2.61	V
8	Piano 1	10, 5	1	181063.00	4.00	0.12	0.91	42800.00	4.63	5.56	1.20	V
9	Piano 1	7, 6	1	27752.55	3.33	0.35	0.80	7800.01	4.46	9.58	2.15	V
			2	31465.05	3.33	0.35	0.80	8400.00	4.69	9.58	2.04	V
			3	31465.05	3.33	0.35	0.80	8400.00	4.69	9.58	2.04	V
			4	30780.61	3.33	0.35	0.80	8760.00	4.40	9.58	2.18	V
10	Piano 1	8, 7	1	19813.71	3.33	0.35	0.80	5220.00	4.76	9.58	2.01	V
			2	16350.58	3.33	0.35	0.80	5604.00	3.66	9.58	2.62	V
11	Piano 1	7, 10	1	66897.68	4.00	0.12	0.91	34415.00	2.13	5.56	2.61	V
12	Piano 1	8, 9	1	69877.80	4.00	0.12	0.91	34415.00	2.22	5.56	2.50	V
13	Piano 1	9, 10	1	59430.69	3.78	0.12	0.91	18020.00	3.60	5.56	1.54	V
14	Piano 2	1, 2	1	5378.20	8.78	0.81	0.54	2200.00	4.57	5.56	1.22	V
			2	20410.82	8.78	0.81	0.54	19525.00	1.95	5.56	2.85	V
			3	3059.91	8.78	0.81	0.54	1831.50	3.12	5.56	1.78	V
15	Piano 2	1, 8	1	23250.69	8.78	0.64	0.59	5500.00	7.17	9.58	1.34	V
			2	24257.42	8.78	0.70	0.57	3575.00	11.92	9.58	0.80	NV
			3	24505.85	8.78	0.69	0.57	3575.00	11.97	9.58	0.80	NV
			4	23145.60	8.78	0.70	0.57	6215.00	6.52	9.58	1.47	V
16	Piano 2	2, 3	1	5717.79	8.78	0.81	0.54	4730.00	2.26	5.56	2.46	V



			2	5147.27	8.78	0.81	0.54	3377.00	2.85	5.56	1.95	V
17	Pian o 2	2, 9	1	35688.80	9.66	0.52	0.61	6300.00	9.30	5.56	0.60	NV
			2	68223.84	9.66	0.54	0.60	15550.00	7.25	5.56	0.77	NV
			3	40851.79	9.66	0.52	0.61	7550.00	8.85	5.56	0.63	NV
18	Pian o 2	3, 4	1	14314.47	8.78	0.53	0.63	6050.00	3.78	9.58	2.53	V
			2	22166.57	8.78	0.50	0.63	8855.00	3.94	9.58	2.43	V
			3	24251.52	8.78	0.38	0.69	9570.00	3.65	9.58	2.63	V
			4	15115.00	8.78	0.37	0.70	5060.00	4.28	9.58	2.24	V
			5	14843.53	8.78	0.37	0.70	4895.00	4.35	9.58	2.21	V
			6	24659.98	8.78	0.37	0.70	9625.00	3.66	9.58	2.62	V
			7	22184.41	8.78	0.50	0.63	8910.00	3.93	9.58	2.44	V
			8	15969.02	8.78	0.50	0.64	6951.99	3.61	9.58	2.65	V
19	Pian o 2	5, 4	1	5446.12	8.78	0.81	0.54	4785.00	2.13	5.56	2.61	V
			2	5418.95	8.78	0.81	0.54	4147.00	2.44	5.56	2.28	V
20	Pian o 2	6, 5	1	27280.60	8.78	0.81	0.54	28050.00	1.82	5.56	3.06	V
			2	5696.10	8.78	0.81	0.54	1831.50	5.81	5.56	0.96	NV
21	Pian o 2	10, 5	1	12738.29	9.66	0.99	0.46	7650.00	3.61	5.56	1.54	V
			2	52659.79	9.66	0.51	0.61	7650.00	11.23	5.56	0.49	NV
			3	62808.91	9.66	0.51	0.61	13749.99	7.44	5.56	0.75	NV
22	Pian o 2	7, 6	1	20737.70	8.78	0.65	0.58	5280.00	6.72	9.58	1.43	V
			2	25329.92	8.78	0.72	0.56	3575.00	12.57	9.58	0.76	NV
			3	25329.92	8.78	0.72	0.56	3575.00	12.57	9.58	0.76	NV
			4	22895.49	8.78	0.63	0.59	6049.99	6.39	9.58	1.50	V
23	Pian o 2	8, 7	1	12424.91	8.78	0.81	0.54	4785.00	4.85	9.58	1.98	V
			2	13818.35	8.78	0.81	0.54	5137.00	5.02	9.58	1.91	V
24	Pian o 2	7, 10	1	5191.06	9.66	0.29	0.72	2000.00	3.59	5.56	1.55	V
			2	26654.38	9.66	0.29	0.72	26915.00	1.37	5.56	4.05	V
25	Pian o 2	8, 9	1	26345.50	9.66	0.29	0.72	34665.00	1.05	5.56	5.28	V
26	Pian o 2	9, 10	1	18662.96	9.66	0.54	0.61	2000.00	15.41	5.56	0.36	NV
			2	22324.21	9.66	0.76	0.53	9020.00	4.63	5.56	1.20	V
27	Pian o 3	1, 2	1	0.00	8.60	0.26	0.76	24165.00	0.00	5.56	-	V
			2	0.00	8.60	0.26	0.76	2308.50	0.00	5.56	-	V
28	Pian o 3	1, 8	1	9400.18	8.60	1.66	0.27	5895.00	6.00	9.58	1.60	V
			2	10094.15	8.60	1.66	0.27	4500.00	8.44	9.58	1.14	V
			3	10220.33	8.60	1.66	0.27	4635.00	8.30	9.58	1.15	V
			4	9105.76	8.60	1.66	0.27	5580.00	6.14	9.58	1.56	V
29	Pian o 3	2, 3	1	0.00	8.60	0.26	0.76	4950.00	0.00	5.56	-	V
			2	0.00	8.60	0.26	0.76	4383.00	0.00	5.56	-	V
30	Pian o 3	2, 9	1	32310.55	9.68	0.73	0.54	17800.00	3.34	5.56	1.66	V
			2	24494.47	9.68	0.73	0.54	12720.00	3.55	5.56	1.57	V
31	Pian o 3	3, 4	1	4422.29	8.60	1.66	0.27	5760.00	2.89	9.58	3.32	V
			2	6778.84	8.60	1.66	0.27	8910.00	2.86	9.58	3.35	V
			3	10138.18	8.60	1.66	0.27	16335.00	2.34	9.58	4.10	V
			4	10218.40	8.60	1.66	0.27	16515.00	2.33	9.58	4.12	V
			5	6778.84	8.60	1.66	0.27	8910.00	2.86	9.58	3.35	V
			6	4871.54	8.60	1.66	0.27	6768.00	2.71	9.58	3.54	V
32	Pian o 3	5, 4	1	0.00	8.60	0.26	0.76	4680.00	0.00	5.56	-	V
			2	0.00	8.60	0.26	0.76	4653.00	0.00	5.56	-	V
33	Pian o 3	6, 5	1	0.00	8.33	0.26	0.77	32773.50	0.00	5.56	-	V
34	Pian o 3	10, 5	1	56352.13	9.68	0.73	0.54	29839.99	3.48	5.56	1.60	V
35	Pian o 3	7, 6	1	8223.92	8.60	1.66	0.27	5220.00	5.93	9.58	1.62	V
			2	10611.50	8.60	1.66	0.27	4500.00	8.88	9.58	1.08	V
			3	10611.50	8.60	1.66	0.27	4500.00	8.88	9.58	1.08	V
			4	9063.99	8.60	1.66	0.27	6074.99	5.62	9.58	1.71	V



36	Piano 3	8, 7	1	7604.91	8.60	1.66	0.27	4590.00	6.24	9.58	1.54	V
			2	8330.03	8.60	1.66	0.27	5328.00	5.88	9.58	1.63	V
37	Piano 3	7, 10	1	0.00	9.68	0.29	0.72	22920.00	0.00	5.56	-	V
			2	0.00	9.68	0.29	0.72	1452.00	0.00	5.56	-	V
38	Piano 3	8, 9	1	0.00	9.68	0.29	0.72	22920.00	0.00	5.56	-	V
			2	0.00	9.68	0.29	0.72	1452.00	0.00	5.56	-	V
39	Piano 3	9, 10	1	11322.18	9.68	0.73	0.54	4000.00	5.21	5.56	1.07	V
			2	11995.04	9.68	0.73	0.54	4416.00	5.00	5.56	1.11	V

Verifica carichi verticali nella sezione di mezzeria												
Parete	Imp.	Fili	Maschio	N [daN]	$\lambda$	m	$\Phi$	A [cm <sup>2</sup> ]	$\sigma$ [daN/cm <sup>2</sup> ]	$\sigma_{lim}$ [daN/cm <sup>2</sup> ]	S	Esito
1	Piano 1	1, 2	1	66324.88	3.33	0.18	0.89	32700.00	2.28	5.56	2.44	V
			2	7589.05	3.33	0.18	0.89	4098.00	2.08	5.56	2.67	V
2	Piano 1	1, 8	1	32479.80	3.33	0.18	0.89	8400.00	4.35	9.58	2.20	V
			2	32358.15	3.33	0.17	0.89	8400.00	4.33	9.58	2.21	V
			3	32606.58	3.33	0.18	0.89	8400.00	4.37	9.58	2.19	V
			4	33224.93	3.33	0.17	0.89	8580.00	4.36	9.58	2.20	V
3	Piano 1	2, 3	1	28758.08	2.99	0.17	0.89	19944.00	1.62	5.56	3.43	V
4	Piano 1	2, 9	1	194258.50	4.00	0.06	0.94	43150.00	4.76	5.56	1.17	V
5	Piano 1	3, 4	1	24235.41	3.33	0.18	0.89	8700.00	3.13	9.58	3.06	V
			2	168778.50	3.33	0.18	0.89	74400.00	2.55	9.58	3.76	V
			3	37648.66	3.33	0.18	0.89	14100.00	3.00	9.58	3.19	V
			4	27111.58	3.33	0.18	0.89	9563.99	3.19	9.58	3.01	V
6	Piano 1	5, 4	1	14490.78	3.33	0.18	0.89	7200.00	2.26	5.56	2.45	V
			2	13543.84	3.33	0.18	0.89	6744.00	2.26	5.56	2.46	V
7	Piano 1	6, 5	1	83956.68	3.33	0.18	0.89	42798.00	2.21	5.56	2.52	V
8	Piano 1	10, 5	1	192191.00	4.00	0.06	0.94	42800.00	4.75	5.56	1.17	V
9	Piano 1	7, 6	1	29577.76	3.33	0.17	0.89	7800.01	4.27	9.58	2.25	V
			2	33430.65	3.33	0.17	0.89	8400.00	4.48	9.58	2.14	V
			3	33430.65	3.33	0.17	0.89	8400.00	4.48	9.58	2.14	V
			4	32830.45	3.33	0.17	0.89	8760.00	4.22	9.58	2.27	V
10	Piano 1	8, 7	1	21035.19	3.33	0.17	0.89	5220.00	4.53	9.58	2.11	V
			2	17661.91	3.33	0.17	0.89	5604.00	3.55	9.58	2.70	V
11	Piano 1	7, 10	1	75845.58	4.00	0.06	0.94	34415.00	2.33	5.56	2.38	V
12	Piano 1	8, 9	1	78825.70	4.00	0.06	0.94	34415.00	2.42	5.56	2.29	V
13	Piano 1	9, 10	1	64115.89	3.78	0.06	0.95	18020.00	3.76	5.56	1.48	V
14	Piano 2	1, 2	1	6759.58	8.78	0.40	0.68	2200.00	4.50	5.56	1.23	V
			2	32670.57	8.78	0.40	0.68	19525.00	2.45	5.56	2.27	V
			3	4209.91	8.78	0.40	0.68	1831.50	3.37	5.56	1.65	V
15	Piano 2	1, 8	1	26358.80	8.78	0.32	0.73	5500.00	6.61	9.58	1.45	V
			2	26277.69	8.78	0.35	0.71	3575.00	10.36	9.58	0.92	NV
			3	26526.12	8.78	0.35	0.71	3575.00	10.42	9.58	0.92	NV
			4	26657.76	8.78	0.35	0.71	6215.00	6.04	9.58	1.59	V
16	Piano 2	2, 3	1	8687.76	8.78	0.40	0.68	4730.00	2.69	5.56	2.06	V
			2	7267.69	8.78	0.40	0.68	3377.00	3.15	5.56	1.76	V
17	Piano 2	2, 9	1	39644.57	9.66	0.26	0.74	6300.00	8.55	5.56	0.65	NV
			2	77987.68	9.66	0.27	0.73	15550.00	6.84	5.56	0.81	NV
			3	45592.43	9.66	0.26	0.74	7550.00	8.19	5.56	0.68	NV
18	Piano 2	3, 4	1	17733.39	8.78	0.26	0.75	6050.00	3.89	9.58	2.46	V
			2	27170.62	8.78	0.25	0.76	8855.00	4.03	9.58	2.38	V



			3	29659.63	8.78	0.19	0.79	9570.00	3.92	9.58	2.45	V
			4	17974.46	8.78	0.19	0.79	5060.00	4.48	9.58	2.14	V
			5	17609.74	8.78	0.19	0.79	4895.00	4.54	9.58	2.11	V
			6	30099.17	8.78	0.19	0.79	9625.00	3.94	9.58	2.43	V
			7	27219.54	8.78	0.25	0.76	8910.00	4.02	9.58	2.39	V
			8	19897.66	8.78	0.25	0.76	6951.99	3.76	9.58	2.55	V
19	Pian o 2	5, 4	1	8450.62	8.78	0.40	0.68	4785.00	2.59	5.56	2.15	V
			2	8022.84	8.78	0.40	0.68	4147.00	2.83	5.56	1.96	V
20	Pian o 2	6, 5	1	44893.19	8.78	0.40	0.68	28050.00	2.34	5.56	2.37	V
			2	6846.10	8.78	0.40	0.68	1831.50	5.48	5.56	1.01	V
21	Pian o 2	10, 5	1	17541.73	9.66	0.49	0.62	7650.00	3.70	5.56	1.50	V
			2	57463.22	9.66	0.26	0.74	7650.00	10.16	5.56	0.55	NV
			3	71442.53	9.66	0.25	0.74	13749.99	7.02	5.56	0.79	NV
22	Pian o 2	7, 6	1	23721.48	8.78	0.33	0.72	5280.00	6.23	9.58	1.54	V
			2	27350.19	8.78	0.36	0.70	3575.00	10.86	9.58	0.88	NV
			3	27350.19	8.78	0.36	0.70	3575.00	10.86	9.58	0.88	NV
			4	26314.40	8.78	0.32	0.73	6049.99	5.98	9.58	1.60	V
23	Pian o 2	8, 7	1	15128.96	8.78	0.40	0.68	4785.00	4.63	9.58	2.07	V
			2	16721.32	8.78	0.40	0.68	5137.00	4.77	9.58	2.01	V
24	Pian o 2	7, 10	1	6446.86	9.66	0.14	0.79	2000.00	4.06	5.56	1.37	V
			2	43554.30	9.66	0.14	0.79	26915.00	2.04	5.56	2.73	V
25	Pian o 2	8, 9	1	48111.65	9.66	0.14	0.79	34665.00	1.75	5.56	3.18	V
26	Pian o 2	9, 10	1	19918.76	9.66	0.27	0.73	2000.00	13.58	5.56	0.41	NV
			2	27987.87	9.66	0.38	0.68	9020.00	4.58	5.56	1.21	V
27	Pian o 3	1, 2	1	12157.41	8.60	0.13	0.83	24165.00	0.61	5.56	9.12	V
			2	1161.41	8.60	0.13	0.83	2308.50	0.61	5.56	9.12	V
28	Pian o 3	1, 8	1	12069.37	8.60	0.83	0.53	5895.00	3.84	9.58	2.49	V
			2	12131.71	8.60	0.83	0.53	4500.00	5.06	9.58	1.89	V
			3	12319.01	8.60	0.83	0.53	4635.00	4.99	9.58	1.92	V
			4	11632.33	8.60	0.83	0.53	5580.00	3.91	9.58	2.45	V
29	Pian o 3	2, 3	1	2490.34	8.60	0.13	0.83	4950.00	0.61	5.56	9.12	V
			2	2205.09	8.60	0.13	0.83	4383.00	0.61	5.56	9.12	V
30	Pian o 3	2, 9	1	41265.73	9.68	0.37	0.68	17800.00	3.39	5.56	1.64	V
			2	30893.91	9.68	0.37	0.68	12720.00	3.55	5.56	1.56	V
31	Pian o 3	3, 4	1	7030.36	8.60	0.83	0.53	5760.00	2.29	9.58	4.18	V
			2	10813.20	8.60	0.83	0.53	8910.00	2.28	9.58	4.21	V
			3	17534.51	8.60	0.83	0.53	16335.00	2.02	9.58	4.76	V
			4	17696.23	8.60	0.83	0.53	16515.00	2.01	9.58	4.76	V
			5	10813.20	8.60	0.83	0.53	8910.00	2.28	9.58	4.21	V
			6	7936.02	8.60	0.83	0.53	6768.00	2.20	9.58	4.35	V
32	Pian o 3	5, 4	1	2354.51	8.60	0.13	0.83	4680.00	0.61	5.56	9.12	V
			2	2340.92	8.60	0.13	0.83	4653.00	0.61	5.56	9.12	V
33	Pian o 3	6, 5	1	16488.35	8.33	0.13	0.83	32773.50	0.61	5.56	9.18	V
34	Pian o 3	10, 5	1	71364.63	9.68	0.37	0.68	29839.99	3.50	5.56	1.59	V
35	Pian o 3	7, 6	1	10587.48	8.60	0.83	0.53	5220.00	3.81	9.58	2.52	V
			2	12649.06	8.60	0.83	0.53	4500.00	5.28	9.58	1.82	V
			3	12649.06	8.60	0.83	0.53	4500.00	5.28	9.58	1.82	V
			4	11814.68	8.60	0.83	0.53	6074.99	3.65	9.58	2.63	V
36	Pian o 3	8, 7	1	9683.22	8.60	0.83	0.53	4590.00	3.96	9.58	2.42	V
			2	10742.50	8.60	0.83	0.53	5328.00	3.78	9.58	2.53	V
37	Pian o 3	7, 10	1	11531.05	9.68	0.15	0.79	22920.00	0.63	5.56	8.77	V
			2	730.50	9.68	0.15	0.79	1452.00	0.63	5.56	8.77	V
38	Pian o 3	8, 9	1	11531.05	9.68	0.15	0.79	22920.00	0.63	5.56	8.77	V



			2	730.50	9.68	0.15	0.79	1452.00	0.63	5.56	8.77	V
39	Piano 3	9, 10	1	13334.58	9.68	0.37	0.68	4000.00	4.87	5.56	1.14	V
			2	14216.74	9.68	0.37	0.68	4416.00	4.71	5.56	1.18	V

#### 4.5.1.1.2 Verifica a PressoFlessione nel Piano.

Tabella 22.I

Parete : numero della parete  
 Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 Maschio : numero identificativo dei maschi murari di ogni parete;  
 N : Sforzo normale nella sezione al piede  
 M : Momento flettente nella sezione al piede  
 $m_t$  : coefficiente di eccentricità valutato con l'eccentricità  $e_2$   
 $m_b$  : coefficiente di eccentricità valutato con l'eccentricità  $e_b$   
 $\Phi_t$  : coefficiente di riduzione valutato con l'eccentricità  $e_2$   
 $\Phi_b$  : coefficiente di riduzione valutato con l'eccentricità  $e_b$   
 A : area della sezione trasversale  
 $\sigma$  : tensione massima raggiunta dalla parete  
 $\sigma_{lim}$  : tensione limite di calcolo  
 S : coefficiente di sicurezza  
 Esito : V : Verificato  
       : NV : Non Verificato

Direzione X														
Parete	Imp.	Fili	Maschio	N [daN]	M	$m_t$	$m_b$	$\Phi_t$	$\Phi_b$	A [cm <sup>2</sup> ]	$\sigma$ [daN/cm <sup>2</sup> ]	$\sigma_{lim}$ [daN/cm <sup>2</sup> ]	S	Esito
1	Piano 1	1, 2	1	7587 6.88	0.00	0.18	0.00	0.89	1.00	32700.0 0	2.61	5.56	2.13	V
			2	9704 .53	0.00	0.18	0.00	0.89	1.00	4098.00	2.66	5.56	2.09	V
2	Piano 1	1, 8	1	3539 0.40	0.00	0.18	0.00	0.89	1.00	8400.00	4.74	9.58	2.02	V
			2	3621 3.75	0.00	0.17	0.00	0.89	1.00	8400.00	4.85	9.58	1.98	V
			3	3646 2.18	0.00	0.18	0.00	0.89	1.00	8400.00	4.88	9.58	1.96	V
			4	3617 7.65	0.00	0.17	0.00	0.89	1.00	8580.00	4.74	9.58	2.02	V
3	Piano 1	2, 3	1	3394 3.52	0.00	0.17	0.00	0.89	1.00	19944.0 0	1.91	5.56	2.91	V
4	Piano 1	2, 9	1	2054 77.5 0	0.00	0.06	0.00	0.94	1.00	43150.0 0	5.04	5.56	1.10	V
5	Piano 1	3, 4	1	2721 6.21	0.00	0.18	0.00	0.89	1.00	8700.00	3.52	9.58	2.72	V
			2	1880 78.1 1	0.00	0.18	0.00	0.89	1.00	74400.0 0	2.84	9.58	3.37	V
			3	4283 8.06	0.00	0.18	0.00	0.89	1.00	14100.0 0	3.42	9.58	2.80	V
			4	3029 4.55	0.00	0.18	0.00	0.89	1.00	9563.99	3.56	9.58	2.69	V
6	Piano 1	5, 4	1	1741 2.78	0.00	0.18	0.00	0.89	1.00	7200.00	2.72	5.56	2.04	V
			2	1634 7.28	0.00	0.18	0.00	0.89	1.00	6744.00	2.73	5.56	2.04	V
7	Piano 1	6, 5	1	9508 4.16	0.00	0.18	0.00	0.89	1.00	42798.0 0	2.50	5.56	2.22	V
8	Piano 1	10, 5	1	2033 19.0 0	0.00	0.06	0.00	0.94	1.00	42800.0 0	5.03	5.56	1.10	V
9	Piano 1	7, 6	1	3234 7.96	0.00	0.17	0.00	0.89	1.00	7800.01	4.66	9.58	2.05	V
			2	3728 6.25	0.00	0.17	0.00	0.89	1.00	8400.00	4.99	9.58	1.92	V



			3	3728 6.25	0.00	0.17	0.00	0.89	1.00	8400.00	4.99	9.58	1.92	V
			4	3582 5.29	0.00	0.17	0.00	0.89	1.00	8760.00	4.60	9.58	2.08	V
10	Pian o 1	8, 7	1	2322 8.67	0.00	0.17	0.00	0.89	1.00	5220.00	5.01	9.58	1.91	V
			2	1994 5.25	0.00	0.17	0.00	0.89	1.00	5604.00	4.00	9.58	2.39	V
11	Pian o 1	7, 10	1	8479 3.48	0.00	0.06	0.00	0.94	1.00	34415.0 0	2.61	5.56	2.13	V
12	Pian o 1	8, 9	1	8777 3.60	0.00	0.06	0.00	0.94	1.00	34415.0 0	2.70	5.56	2.06	V
13	Pian o 1	9, 10	1	6880 1.09	0.00	0.06	0.00	0.95	1.00	18020.0 0	4.04	5.56	1.38	V
14	Pian o 2	1, 2	1	9804 .43	0.00	0.40	0.00	0.68	1.00	2200.00	6.53	5.56	0.85	NV
			2	4748 8.92	0.00	0.40	0.00	0.68	1.00	19525.0 0	3.56	5.56	1.56	V
			3	6255 .03	0.00	0.40	0.00	0.68	1.00	1831.50	5.00	5.56	1.11	V
15	Pian o 2	1, 8	1	3027 2.52	0.00	0.32	0.00	0.73	1.00	5500.00	7.59	9.58	1.26	V
			2	2990 9.18	0.00	0.35	0.00	0.71	1.00	3575.00	11.79	9.58	0.81	NV
			3	3015 7.61	0.00	0.35	0.00	0.71	1.00	3575.00	11.85	9.58	0.81	NV
			4	3097 5.53	0.00	0.35	0.00	0.71	1.00	6215.00	7.02	9.58	1.37	V
16	Pian o 2	2, 3	1	1262 9.57	0.00	0.40	0.00	0.68	1.00	4730.00	3.91	5.56	1.42	V
			2	1035 9.95	0.00	0.40	0.00	0.68	1.00	3377.00	4.49	5.56	1.24	V
17	Pian o 2	2, 9	1	4495 1.34	0.00	0.26	0.00	0.74	1.00	6300.00	9.69	5.56	0.57	NV
			2	9045 3.52	0.00	0.27	0.00	0.73	1.00	15550.0 0	7.94	5.56	0.70	NV
			3	5168 4.07	0.00	0.26	0.00	0.74	1.00	7550.00	9.28	5.56	0.60	NV
18	Pian o 2	3, 4	1	2195 7.92	0.00	0.26	0.00	0.75	1.00	6050.00	4.82	9.58	1.99	V
			2	3378 5.90	0.00	0.25	0.00	0.76	1.00	8855.00	5.02	9.58	1.91	V
			3	3717 5.19	0.00	0.19	0.00	0.79	1.00	9570.00	4.91	9.58	1.95	V
			4	2343 7.61	0.00	0.19	0.00	0.79	1.00	5060.00	5.84	9.58	1.64	V
			5	2297 9.66	0.00	0.19	0.00	0.79	1.00	4895.00	5.93	9.58	1.62	V
			6	3764 5.81	0.00	0.19	0.00	0.79	1.00	9625.00	4.93	9.58	1.94	V
			7	3386 5.89	0.00	0.25	0.00	0.76	1.00	8910.00	5.00	9.58	1.92	V
			8	2463 1.92	0.00	0.25	0.00	0.76	1.00	6951.99	4.65	9.58	2.06	V
19	Pian o 2	5, 4	1	1235 0.24	0.00	0.40	0.00	0.68	1.00	4785.00	3.78	5.56	1.47	V
			2	1152 1.87	0.00	0.40	0.00	0.68	1.00	4147.00	4.07	5.56	1.36	V
20	Pian o 2	6, 5	1	6340 0.91	0.00	0.40	0.00	0.68	1.00	28050.0 0	3.31	5.56	1.68	V
			2	8891 .22	0.00	0.40	0.00	0.68	1.00	1831.50	7.11	5.56	0.78	NV
21	Pian o 2	10, 5	1	2369 6.16	0.00	0.49	0.00	0.62	1.00	7650.00	4.99	5.56	1.11	V
			2	6496 8.66	0.00	0.26	0.00	0.74	1.00	7650.00	11.49	5.56	0.48	NV
			3	8142 7.15	0.00	0.25	0.00	0.74	1.00	13749.9 9	8.00	5.56	0.69	NV
22	Pian o 2	7, 6	1	2751 0.87	0.00	0.33	0.00	0.72	1.00	5280.00	7.22	9.58	1.33	V
			2	3098 1.69	0.00	0.36	0.00	0.70	1.00	3575.00	12.30	9.58	0.78	NV
			3	3098 1.69	0.00	0.36	0.00	0.70	1.00	3575.00	12.30	9.58	0.78	NV



			4	3053 8.92	0.00	0.32	0.00	0.73	1.00	6049.99	6.94	9.58	1.38	V
23	Pian o 2	8, 7	1	1935 6.62	0.00	0.40	0.00	0.68	1.00	4785.00	5.93	9.58	1.62	V
			2	2114 7.90	0.00	0.40	0.00	0.68	1.00	5137.00	6.03	9.58	1.59	V
24	Pian o 2	7, 10	1	9214 .91	0.00	0.14	0.00	0.79	1.00	2000.00	5.80	5.56	0.96	NV
			2	6196 6.48	0.00	0.14	0.00	0.79	1.00	26915.0 0	2.90	5.56	1.92	V
25	Pian o 2	8, 9	1	6987 7.80	0.00	0.14	0.00	0.79	1.00	34665.0 0	2.54	5.56	2.19	V
26	Pian o 2	9, 10	1	2294 5.56	0.00	0.27	0.00	0.73	1.00	2000.00	15.65	5.56	0.36	NV
			2	3542 2.53	0.00	0.38	0.00	0.68	1.00	9020.00	5.80	5.56	0.96	NV
27	Pian o 3	1, 2	1	2488 1.82	0.00	0.13	0.00	0.83	1.00	24165.0 0	1.25	5.56	4.45	V
			2	2889 .81	0.00	0.13	0.00	0.83	1.00	2308.50	1.52	5.56	3.66	V
28	Pian o 3	1, 8	1	1524 8.87	0.00	0.83	0.00	0.53	1.00	5895.00	4.86	9.58	1.97	V
			2	1518 9.86	0.00	0.83	0.00	0.53	1.00	4500.00	6.34	9.58	1.51	V
			3	1543 8.29	0.00	0.83	0.00	0.53	1.00	4635.00	6.25	9.58	1.53	V
			4	1466 9.20	0.00	0.83	0.00	0.53	1.00	5580.00	4.93	9.58	1.94	V
29	Pian o 3	2, 3	1	5547 .69	0.00	0.13	0.00	0.83	1.00	4950.00	1.36	5.56	4.09	V
			2	4977 .17	0.00	0.13	0.00	0.83	1.00	4383.00	1.38	5.56	4.04	V
30	Pian o 3	2, 9	1	5098 9.11	0.00	0.37	0.00	0.68	1.00	17800.0 0	4.19	5.56	1.33	V
			2	3806 1.54	0.00	0.37	0.00	0.68	1.00	12720.0 0	4.37	5.56	1.27	V
31	Pian o 3	3, 4	1	1014 8.73	0.00	0.83	0.00	0.53	1.00	5760.00	3.31	9.58	2.90	V
			2	1586 8.16	0.00	0.83	0.00	0.53	1.00	8910.00	3.34	9.58	2.87	V
			3	2642 1.84	0.00	0.83	0.00	0.53	1.00	16335.0 0	3.04	9.58	3.16	V
			4	2666 5.06	0.00	0.83	0.00	0.53	1.00	16515.0 0	3.03	9.58	3.16	V
			5	1586 8.16	0.00	0.83	0.00	0.53	1.00	8910.00	3.34	9.58	2.87	V
			6	1151 0.80	0.00	0.83	0.00	0.53	1.00	6768.00	3.19	9.58	3.00	V
32	Pian o 3	5, 4	1	5276 .02	0.00	0.13	0.00	0.83	1.00	4680.00	1.37	5.56	4.07	V
			2	5248 .85	0.00	0.13	0.00	0.83	1.00	4653.00	1.37	5.56	4.07	V
33	Pian o 3	6, 5	1	3297 6.70	0.00	0.13	0.00	0.83	1.00	32773.5 0	1.21	5.56	4.59	V
34	Pian o 3	10, 5	1	8791 3.53	0.00	0.37	0.00	0.68	1.00	29839.9 9	4.31	5.56	1.29	V
35	Pian o 3	7, 6	1	1346 1.34	0.00	0.83	0.00	0.53	1.00	5220.00	4.84	9.58	1.98	V
			2	1570 7.21	0.00	0.83	0.00	0.53	1.00	4500.00	6.55	9.58	1.46	V
			3	1570 7.21	0.00	0.83	0.00	0.53	1.00	4500.00	6.55	9.58	1.46	V
			4	1507 5.68	0.00	0.83	0.00	0.53	1.00	6074.99	4.66	9.58	2.06	V
36	Pian o 3	8, 7	1	1227 1.82	0.00	0.83	0.00	0.53	1.00	4590.00	5.02	9.58	1.91	V
			2	1366 5.26	0.00	0.83	0.00	0.53	1.00	5328.00	4.81	9.58	1.99	V
37	Pian o 3	7, 10	1	2388 1.82	0.00	0.15	0.00	0.79	1.00	22920.0 0	1.31	5.56	4.24	V
			2	2280 .72	0.00	0.15	0.00	0.79	1.00	1452.00	1.98	5.56	2.81	V
38	Pian o 3	8, 9	1	2376 3.02	0.00	0.15	0.00	0.79	1.00	22920.0 0	1.31	5.56	4.26	V



			2	2161 .92	0.00	0.15	0.00	0.79	1.00	1452.00	1.87	5.56	2.96	V
39	Piano 3	9, 10	1	1634 8.98	0.00	0.37	0.00	0.68	1.00	4000.00	5.97	5.56	0.93	NV
			2	1744 0.43	0.00	0.37	0.00	0.68	1.00	4416.00	5.77	5.56	0.96	NV

Direzione Y														
Parete	Imp.	Fili	Maschio	N [daN]	M	m <sub>t</sub>	m <sub>b</sub>	Φ <sub>t</sub>	Φ <sub>b</sub>	A [cm <sup>2</sup> ]	σ [daN/cm <sup>2</sup> ]	σ <sub>lim</sub> [daN/cm <sup>2</sup> ]	S	Esito
1	Piano 1	1, 2	1	7587 6.88	0.00	0.18	0.00	0.89	1.00	32700.0 0	2.61	5.56	2.13	V
			2	9704 .53	0.00	0.18	0.00	0.89	1.00	4098.00	2.66	5.56	2.09	V
2	Piano 1	1, 8	1	3539 0.40	0.00	0.18	0.00	0.89	1.00	8400.00	4.74	9.58	2.02	V
			2	3621 3.75	0.00	0.17	0.00	0.89	1.00	8400.00	4.85	9.58	1.98	V
			3	3646 2.18	0.00	0.18	0.00	0.89	1.00	8400.00	4.88	9.58	1.96	V
			4	3617 7.65	0.00	0.17	0.00	0.89	1.00	8580.00	4.74	9.58	2.02	V
3	Piano 1	2, 3	1	3394 3.52	0.00	0.17	0.00	0.89	1.00	19944.0 0	1.91	5.56	2.91	V
4	Piano 1	2, 9	1	2054 77.5 0	0.00	0.06	0.00	0.94	1.00	43150.0 0	5.04	5.56	1.10	V
5	Piano 1	3, 4	1	2721 6.21	0.00	0.18	0.00	0.89	1.00	8700.00	3.52	9.58	2.72	V
			2	1880 78.1 1	0.00	0.18	0.00	0.89	1.00	74400.0 0	2.84	9.58	3.37	V
			3	4283 8.06	0.00	0.18	0.00	0.89	1.00	14100.0 0	3.42	9.58	2.80	V
			4	3029 4.55	0.00	0.18	0.00	0.89	1.00	9563.99	3.56	9.58	2.69	V
6	Piano 1	5, 4	1	1741 2.78	0.00	0.18	0.00	0.89	1.00	7200.00	2.72	5.56	2.04	V
			2	1634 7.28	0.00	0.18	0.00	0.89	1.00	6744.00	2.73	5.56	2.04	V
7	Piano 1	6, 5	1	9508 4.16	0.00	0.18	0.00	0.89	1.00	42798.0 0	2.50	5.56	2.22	V
8	Piano 1	10, 5	1	2033 19.0 0	0.00	0.06	0.00	0.94	1.00	42800.0 0	5.03	5.56	1.10	V
9	Piano 1	7, 6	1	3234 7.96	0.00	0.17	0.00	0.89	1.00	7800.01	4.66	9.58	2.05	V
			2	3728 6.25	0.00	0.17	0.00	0.89	1.00	8400.00	4.99	9.58	1.92	V
			3	3728 6.25	0.00	0.17	0.00	0.89	1.00	8400.00	4.99	9.58	1.92	V
			4	3582 5.29	0.00	0.17	0.00	0.89	1.00	8760.00	4.60	9.58	2.08	V
10	Piano 1	8, 7	1	2322 8.67	0.00	0.17	0.00	0.89	1.00	5220.00	5.01	9.58	1.91	V
			2	1994 5.25	0.00	0.17	0.00	0.89	1.00	5604.00	4.00	9.58	2.39	V
11	Piano 1	7, 10	1	8479 3.48	0.00	0.06	0.00	0.94	1.00	34415.0 0	2.61	5.56	2.13	V
12	Piano 1	8, 9	1	8777 3.60	0.00	0.06	0.00	0.94	1.00	34415.0 0	2.70	5.56	2.06	V
13	Piano 1	9, 10	1	6880 1.09	0.00	0.06	0.00	0.95	1.00	18020.0 0	4.04	5.56	1.38	V
14	Piano 2	1, 2	1	9804 .43	0.00	0.40	0.00	0.68	1.00	2200.00	6.53	5.56	0.85	NV
			2	4748 8.92	0.00	0.40	0.00	0.68	1.00	19525.0 0	3.56	5.56	1.56	V
			3	6255 .03	0.00	0.40	0.00	0.68	1.00	1831.50	5.00	5.56	1.11	V
15	Piano 2	1, 8	1	3027 2.52	0.00	0.32	0.00	0.73	1.00	5500.00	7.59	9.58	1.26	V
			2	2990 9.18	0.00	0.35	0.00	0.71	1.00	3575.00	11.79	9.58	0.81	NV



			3	3015 7.61	0.00	0.35	0.00	0.71	1.00	3575.00	11.85	9.58	0.81	NV
			4	3097 5.53	0.00	0.35	0.00	0.71	1.00	6215.00	7.02	9.58	1.37	V
16	Pian o 2	2, 3	1	1262 9.57	0.00	0.40	0.00	0.68	1.00	4730.00	3.91	5.56	1.42	V
			2	1035 9.95	0.00	0.40	0.00	0.68	1.00	3377.00	4.49	5.56	1.24	V
17	Pian o 2	2, 9	1	4495 1.34	0.00	0.26	0.00	0.74	1.00	6300.00	9.69	5.56	0.57	NV
			2	9045 3.52	0.00	0.27	0.00	0.73	1.00	15550.0 0	7.94	5.56	0.70	NV
			3	5168 4.07	0.00	0.26	0.00	0.74	1.00	7550.00	9.28	5.56	0.60	NV
18	Pian o 2	3, 4	1	2195 7.92	0.00	0.26	0.00	0.75	1.00	6050.00	4.82	9.58	1.99	V
			2	3378 5.90	0.00	0.25	0.00	0.76	1.00	8855.00	5.02	9.58	1.91	V
			3	3717 5.19	0.00	0.19	0.00	0.79	1.00	9570.00	4.91	9.58	1.95	V
			4	2343 7.61	0.00	0.19	0.00	0.79	1.00	5060.00	5.84	9.58	1.64	V
			5	2297 9.66	0.00	0.19	0.00	0.79	1.00	4895.00	5.93	9.58	1.62	V
			6	3764 5.81	0.00	0.19	0.00	0.79	1.00	9625.00	4.93	9.58	1.94	V
			7	3386 5.89	0.00	0.25	0.00	0.76	1.00	8910.00	5.00	9.58	1.92	V
			8	2463 1.92	0.00	0.25	0.00	0.76	1.00	6951.99	4.65	9.58	2.06	V
19	Pian o 2	5, 4	1	1235 0.24	0.00	0.40	0.00	0.68	1.00	4785.00	3.78	5.56	1.47	V
			2	1152 1.87	0.00	0.40	0.00	0.68	1.00	4147.00	4.07	5.56	1.36	V
20	Pian o 2	6, 5	1	6340 0.91	0.00	0.40	0.00	0.68	1.00	28050.0 0	3.31	5.56	1.68	V
			2	8891 .22	0.00	0.40	0.00	0.68	1.00	1831.50	7.11	5.56	0.78	NV
21	Pian o 2	10, 5	1	2369 6.16	0.00	0.49	0.00	0.62	1.00	7650.00	4.99	5.56	1.11	V
			2	6496 8.66	0.00	0.26	0.00	0.74	1.00	7650.00	11.49	5.56	0.48	NV
			3	8142 7.15	0.00	0.25	0.00	0.74	1.00	13749.9 9	8.00	5.56	0.69	NV
22	Pian o 2	7, 6	1	2751 0.87	0.00	0.33	0.00	0.72	1.00	5280.00	7.22	9.58	1.33	V
			2	3098 1.69	0.00	0.36	0.00	0.70	1.00	3575.00	12.30	9.58	0.78	NV
			3	3098 1.69	0.00	0.36	0.00	0.70	1.00	3575.00	12.30	9.58	0.78	NV
			4	3053 8.92	0.00	0.32	0.00	0.73	1.00	6049.99	6.94	9.58	1.38	V
23	Pian o 2	8, 7	1	1935 6.62	0.00	0.40	0.00	0.68	1.00	4785.00	5.93	9.58	1.62	V
			2	2114 7.90	0.00	0.40	0.00	0.68	1.00	5137.00	6.03	9.58	1.59	V
24	Pian o 2	7, 10	1	9214 .91	0.00	0.14	0.00	0.79	1.00	2000.00	5.80	5.56	0.96	NV
			2	6196 6.48	0.00	0.14	0.00	0.79	1.00	26915.0 0	2.90	5.56	1.92	V
25	Pian o 2	8, 9	1	6987 7.80	0.00	0.14	0.00	0.79	1.00	34665.0 0	2.54	5.56	2.19	V
26	Pian o 2	9, 10	1	2294 5.56	0.00	0.27	0.00	0.73	1.00	2000.00	15.65	5.56	0.36	NV
			2	3542 2.53	0.00	0.38	0.00	0.68	1.00	9020.00	5.80	5.56	0.96	NV
27	Pian o 3	1, 2	1	2488 1.82	0.00	0.13	0.00	0.83	1.00	24165.0 0	1.25	5.56	4.45	V
			2	2889 .81	0.00	0.13	0.00	0.83	1.00	2308.50	1.52	5.56	3.66	V
28	Pian o 3	1, 8	1	1524 8.87	0.00	0.83	0.00	0.53	1.00	5895.00	4.86	9.58	1.97	V
			2	1518 9.86	0.00	0.83	0.00	0.53	1.00	4500.00	6.34	9.58	1.51	V



			3	1543 8.29	0.00	0.83	0.00	0.53	1.00	4635.00	6.25	9.58	1.53	V
			4	1466 9.20	0.00	0.83	0.00	0.53	1.00	5580.00	4.93	9.58	1.94	V
29	Pian o 3	2, 3	1	5547 .69	0.00	0.13	0.00	0.83	1.00	4950.00	1.36	5.56	4.09	V
			2	4977 .17	0.00	0.13	0.00	0.83	1.00	4383.00	1.38	5.56	4.04	V
30	Pian o 3	2, 9	1	5098 9.11	0.00	0.37	0.00	0.68	1.00	17800.0 0	4.19	5.56	1.33	V
			2	3806 1.54	0.00	0.37	0.00	0.68	1.00	12720.0 0	4.37	5.56	1.27	V
31	Pian o 3	3, 4	1	1014 8.73	0.00	0.83	0.00	0.53	1.00	5760.00	3.31	9.58	2.90	V
			2	1586 8.16	0.00	0.83	0.00	0.53	1.00	8910.00	3.34	9.58	2.87	V
			3	2642 1.84	0.00	0.83	0.00	0.53	1.00	16335.0 0	3.04	9.58	3.16	V
			4	2666 5.06	0.00	0.83	0.00	0.53	1.00	16515.0 0	3.03	9.58	3.16	V
			5	1586 8.16	0.00	0.83	0.00	0.53	1.00	8910.00	3.34	9.58	2.87	V
			6	1151 0.80	0.00	0.83	0.00	0.53	1.00	6768.00	3.19	9.58	3.00	V
32	Pian o 3	5, 4	1	5276 .02	0.00	0.13	0.00	0.83	1.00	4680.00	1.37	5.56	4.07	V
			2	5248 .85	0.00	0.13	0.00	0.83	1.00	4653.00	1.37	5.56	4.07	V
33	Pian o 3	6, 5	1	3297 6.70	0.00	0.13	0.00	0.83	1.00	32773.5 0	1.21	5.56	4.59	V
34	Pian o 3	10, 5	1	8791 3.53	0.00	0.37	0.00	0.68	1.00	29839.9 9	4.31	5.56	1.29	V
35	Pian o 3	7, 6	1	1346 1.34	0.00	0.83	0.00	0.53	1.00	5220.00	4.84	9.58	1.98	V
			2	1570 7.21	0.00	0.83	0.00	0.53	1.00	4500.00	6.55	9.58	1.46	V
			3	1570 7.21	0.00	0.83	0.00	0.53	1.00	4500.00	6.55	9.58	1.46	V
			4	1507 5.68	0.00	0.83	0.00	0.53	1.00	6074.99	4.66	9.58	2.06	V
36	Pian o 3	8, 7	1	1227 1.82	0.00	0.83	0.00	0.53	1.00	4590.00	5.02	9.58	1.91	V
			2	1366 5.26	0.00	0.83	0.00	0.53	1.00	5328.00	4.81	9.58	1.99	V
37	Pian o 3	7, 10	1	2388 1.82	0.00	0.15	0.00	0.79	1.00	22920.0 0	1.31	5.56	4.24	V
			2	2280 .72	0.00	0.15	0.00	0.79	1.00	1452.00	1.98	5.56	2.81	V
38	Pian o 3	8, 9	1	2376 3.02	0.00	0.15	0.00	0.79	1.00	22920.0 0	1.31	5.56	4.26	V
			2	2161 .92	0.00	0.15	0.00	0.79	1.00	1452.00	1.87	5.56	2.96	V
39	Pian o 3	9, 10	1	1634 8.98	0.00	0.37	0.00	0.68	1.00	4000.00	5.97	5.56	0.93	NV
			2	1744 0.43	0.00	0.37	0.00	0.68	1.00	4416.00	5.77	5.56	0.96	NV

#### 4.5.1.1.3 Verifica a Pressoflessione Fuori Piano

Tabella 23.I

Parete : numero della parete;

Imp. : numero dell'impalcato al quale appartiene la parete;

Fili : numero dei fili fissi ai quali appartiene la parete;

Maschio : numero identificativo dei maschi murari di ogni parete;

Nsd : sforzo normale sollecitante di calcolo relativo alla combinazione di carico più gravosa

Tp : primo periodo di oscillazione del pannello

Po : peso degli orizzontamenti che gravano sulla parete e che devono essere considerati ai fini del calcolo;

Pp : Peso proprio del muro esaminato

Fo : forza sismica dovuta al peso degli orizzontamenti



Fa : forza sismica dovuta al peso del pannello  
 Mu : momento resistente del pannello  
 Ms : momento sollecitante  
 S : coefficiente di sicurezza  
 Esito : V : Verificato  
 : NV : Non Verificato

Parete	Imp.	Fili	Maschio	Nsd [daN]	TP [s]	Po [daN]	Pp [daN]	Fo [daN]	Fa [daN/cm]	Mu [daNm]	Ms [daNm]	S	Esito
1	Piano 1	1, 2	1	75876.88	0.02	0.00	13080.00	0.00	560.75	11577.81	280.38	41.29	V
			2	9704.53	0.02	0.00	1639.20	0.00	70.27	1451.36	35.14	41.31	V
2	Piano 1	1, 8	1	35390.40	0.02	0.00	3024.00	0.00	129.64	5125.79	64.82	79.08	V
			2	36213.75	0.02	0.00	3024.00	0.00	129.64	5114.32	64.82	78.90	V
			3	36462.18	0.02	0.00	3024.00	0.00	129.64	5109.69	64.82	78.83	V
			4	36177.65	0.02	0.00	3088.80	0.00	132.42	5235.33	66.21	79.07	V
3	Piano 1	2, 3	1	33943.52	0.02	0.00	7977.60	0.00	342.01	6512.97	171.00	38.09	V
4	Piano 1	2, 9	1	205477.50	0.02	0.00	17260.00	0.00	739.95	0.00	369.98	0.00	NV
5	Piano 1	3, 4	1	27216.21	0.02	0.00	3132.00	0.00	134.27	5029.25	67.14	74.91	V
			2	188078.11	0.02	0.00	26784.00	0.00	1148.26	38913.31	574.13	67.78	V
			3	42838.06	0.02	0.00	5076.00	0.00	217.61	8058.21	108.81	74.06	V
			4	30294.55	0.02	0.00	3443.04	0.00	147.61	5554.29	73.80	75.26	V
6	Piano 1	5, 4	1	17412.78	0.02	0.00	2880.00	0.00	123.47	2548.50	61.73	41.28	V
			2	16347.28	0.02	0.00	2697.60	0.00	115.65	2386.81	57.82	41.28	V
7	Piano 1	6, 5	1	95084.16	0.02	0.00	17119.20	0.00	733.92	15104.78	366.96	41.16	V
8	Piano 1	10, 5	1	203319.00	0.02	0.00	17120.00	0.00	733.95	0.00	366.98	0.00	NV
9	Piano 1	7, 6	1	32347.96	0.02	0.00	2808.00	0.00	120.38	4763.73	60.19	79.14	V
			2	37286.25	0.02	0.00	3024.00	0.00	129.64	5090.45	64.82	78.53	V
			3	37286.25	0.02	0.00	3024.00	0.00	129.64	5090.45	64.82	78.53	V
			4	35825.29	0.02	0.00	3153.60	0.00	135.20	5351.72	67.60	79.17	V
10	Piano 1	8, 7	1	23228.67	0.02	0.00	1879.20	0.00	80.56	3161.77	40.28	78.49	V
			2	19945.25	0.02	0.00	2017.44	0.00	86.49	3369.21	43.24	77.91	V
11	Piano 1	7, 10	1	84793.48	0.02	0.00	13766.00	0.00	590.16	10137.97	295.08	34.36	V
12	Piano 1	8, 9	1	87773.60	0.02	0.00	13766.00	0.00	590.16	10091.89	295.08	34.20	V
13	Piano 1	9, 10	1	68801.09	0.02	0.00	7208.00	0.00	309.01	3293.40	154.51	21.32	V
14	Piano 2	1, 2	1	9804.43	0.12	831.74	2125.20	101.26	53.57	151.68	278.48	0.54	NV
			2	47488.92	0.12	1279.30	18861.15	155.75	475.41	6333.10	1574.40	4.02	V
			3	6255.03	0.12	447.56	1769.23	54.49	44.59	476.08	195.84	2.43	V
15	Piano 2	1, 8	1	30272.52	0.11	0.00	4781.70	0.00	120.53	2699.83	351.47	7.68	V
			2	29909.18	0.11	0.00	3108.11	0.00	78.34	0.00	228.45	0.00	NV
			3	30157.61	0.11	0.00	3108.11	0.00	78.34	0.00	228.45	0.00	NV
			4	30975.53	0.11	0.00	5403.32	0.00	136.19	3306.40	397.16	8.33	V
16	Piano 2	2, 3	1	12629.57	0.12	0.00	4569.18	0.00	115.17	1509.31	335.85	4.49	V
			2	10359.95	0.12	0.00	3262.18	0.00	82.23	998.14	239.78	4.16	V
17	Piano 2	2, 9	1	44951.34	0.14	0.00	6085.80	0.00	153.40	0.00	447.32	0.00	NV
			2	90453.52	0.14	0.00	15021.30	0.00	378.62	0.00	1104.10	0.00	NV
			3	51684.07	0.14	0.00	7293.30	0.00	183.83	0.00	536.08	0.00	NV
18	Piano 2	3, 4	1	21957.92	0.10	3681.72	5259.87	448.22	132.58	3347.98	927.84	3.61	V
			2	33785.90	0.10	5820.81	7698.54	708.64	194.05	4939.22	1421.55	3.47	V
			3	37175.19	0.10	6656.95	8320.16	810.44	209.71	5347.99	1590.16	3.36	V
			4	23437.61	0.11	5009.17	4399.16	609.83	110.88	2780.35	1059.72	2.62	V
			5	22979.66	0.11	4930.73	4255.71	600.28	107.27	2677.48	1037.65	2.58	V
			6	37645.81	0.10	6683.09	8367.98	813.62	210.92	5381.76	1597.51	3.37	V
			7	33865.89	0.10	5846.95	7746.35	711.83	195.25	4967.57	1428.91	3.48	V
			8	24631.92	0.10	4110.52	6044.06	500.43	152.34	3827.43	1048.52	3.65	V
19	Piano 2	5, 4	1	12350.24	0.12	0.00	4622.31	0.00	116.51	1539.99	339.75	4.53	V
			2	11521.87	0.12	0.00	4006.00	0.00	100.97	1304.29	294.45	4.43	V
20	Piano 2	6, 5	1	63400.91	0.12	447.56	27096.30	54.49	682.98	9089.90	2057.44	4.42	V
			2	8891.22	0.12	447.56	1769.23	54.49	44.59	0.00	195.84	0.00	NV
21	Piano 2	10, 5	1	23696.16	0.13	0.00	7389.90	0.00	186.27	2038.17	543.18	3.75	V
			2	64968.66	0.14	0.00	7389.90	0.00	186.27	0.00	543.18	0.00	NV
			3	81427.15	0.14	0.00	13282.49	0.00	334.79	0.00	976.30	0.00	NV
22	Piano 2	7, 6	1	27510.87	0.11	0.00	4590.43	0.00	115.70	2726.31	337.41	8.08	V
			2	30981.69	0.11	0.00	3108.11	0.00	78.34	0.00	228.45	0.00	NV
			3	30981.69	0.11	0.00	3108.11	0.00	78.34	0.00	228.45	0.00	NV
			4	30538.92	0.11	0.00	5259.86	0.00	132.58	3194.05	386.61	8.26	V
23	Piano 2	8, 7	1	19356.62	0.10	0.00	4160.08	0.00	104.86	2679.60	305.78	8.76	V
			2	21147.90	0.10	0.00	4466.11	0.00	112.57	2876.52	328.27	8.76	V
24	Piano 2	7, 10	1	9214.91	0.14	756.13	1932.00	92.05	48.70	55.99	253.16	0.22	NV
			2	61966.48	0.13	756.12	25999.89	92.05	655.34	7938.73	2022.21	3.93	V
25	Piano 2	8, 9	1	69877.80	0.13	0.00	33486.39	0.00	844.05	10012.16	2461.33	4.07	V



26	Piano 2	9, 10	1	22945.56	0.14	0.00	1932.00	0.00	48.70	0.00	142.01	0.00	NV
			2	35422.53	0.13	0.00	8713.32	0.00	219.62	1491.08	640.45	2.33	V
27	Piano 3	1, 2	1	24881.82	0.09	0.00	18703.71	0.00	810.02	4377.70	1516.44	2.89	V
			2	2889.81	0.09	0.00	1786.78	0.00	77.38	477.84	144.87	3.30	V
28	Piano 3	1, 8	1	15248.87	0.08	0.00	4106.46	0.00	177.84	2341.47	332.94	7.03	V
			2	15189.86	0.08	0.00	3134.70	0.00	135.76	2001.46	254.15	7.88	V
			3	15438.29	0.08	0.00	3228.74	0.00	139.83	2053.26	261.78	7.84	V
			4	14669.20	0.08	0.00	3887.03	0.00	168.34	2235.38	315.15	7.09	V
29	Piano 3	2, 3	1	5547.69	0.09	0.00	3831.30	0.00	165.93	951.98	310.63	3.06	V
			2	4977.17	0.09	0.00	3392.44	0.00	146.92	850.57	275.05	3.09	V
30	Piano 3	2, 9	1	50989.11	0.11	0.00	13777.20	0.00	596.66	4011.70	1117.01	3.59	V
			2	38061.54	0.11	0.00	9845.28	0.00	426.38	2788.73	798.23	3.49	V
31	Piano 3	3, 4	1	10148.73	0.08	3275.03	4012.42	548.90	173.77	1789.55	856.37	2.09	V
			2	15868.16	0.08	5297.29	6206.71	887.83	268.80	2789.75	1362.20	2.05	V
			3	26421.84	0.08	9331.60	11378.96	1563.99	492.80	4764.45	2435.73	1.96	V
			4	26665.06	0.08	9418.00	11504.35	1578.47	498.23	4810.44	2459.90	1.96	V
			5	15868.16	0.08	5297.29	6206.71	887.83	268.80	2789.75	1362.20	2.05	V
			6	11510.80	0.08	3758.85	4714.59	629.99	204.18	2049.18	991.76	2.07	V
32	Piano 3	5, 4	1	5276.02	0.09	0.00	3622.32	0.00	156.87	903.70	293.69	3.08	V
			2	5248.85	0.09	0.00	3601.42	0.00	155.97	898.87	291.99	3.08	V
33	Piano 3	6, 5	1	32976.70	0.09	0.00	25366.69	0.00	1098.57	5838.77	2056.66	2.84	V
34	Piano 3	10, 5	1	87913.53	0.11	0.00	23096.15	0.00	1000.24	6612.97	1872.57	3.53	V
35	Piano 3	7, 6	1	13461.34	0.08	0.00	3636.25	0.00	157.48	2069.95	294.82	7.02	V
			2	15707.21	0.08	0.00	3134.70	0.00	135.76	2019.75	254.15	7.95	V
			3	15707.21	0.08	0.00	3134.70	0.00	135.76	2019.75	254.15	7.95	V
			4	15075.68	0.08	0.00	4231.84	0.00	183.27	2358.66	343.10	6.87	V
36	Piano 3	8, 7	1	12271.82	0.08	0.00	3197.39	0.00	138.47	1854.90	259.24	7.16	V
			2	13665.26	0.08	0.00	3711.49	0.00	160.74	2106.59	300.92	7.00	V
37	Piano 3	7, 10	1	23881.82	0.11	0.00	17740.08	0.00	768.28	3722.45	1438.31	2.59	V
			2	2280.72	0.11	0.00	1123.85	0.00	48.67	304.42	91.12	3.34	V
38	Piano 3	8, 9	1	23763.02	0.11	0.00	17740.08	0.00	768.28	3709.15	1438.31	2.58	V
			2	2161.92	0.11	0.00	1123.85	0.00	48.67	296.05	91.12	3.25	V
39	Piano 3	9, 10	1	16348.98	0.11	0.00	3096.00	0.00	134.08	439.68	251.01	1.75	V
			2	17440.43	0.11	0.00	3417.98	0.00	148.03	570.87	277.12	2.06	V

#### 4.5.1.1.4 Verifica a Taglio.

Tabella 24.I

Parete : numero della parete  
 Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 Maschio : numero identificativo dei maschi murari di ogni parete;  
 V : taglio sollecitante  
 $\beta$  : coefficiente che tiene conto della parzializzazione per effetto dell'eccentricità  
 A : area della sezione trasversale  
 $\tau$  : tensione tangenziale massima raggiunta dalla parete  
 $\tau_{lim}$  : tensione tangenziale limite di calcolo  
 S : coefficiente di sicurezza  
 Esito : V : Verificato  
 : NV : Non Verificato

Direzione X										
Parete	Imp.	Fili	Maschio	V [daN]	$\beta$	A [cm <sup>2</sup> ]	$\tau$ [daN/cm <sup>2</sup> ]	$\tau_{lim}$ [daN/cm <sup>2</sup> ]	S	Esito
1	Piano 1	1, 2	1	0.00	1.00	32700.00	0.00	0.38	-	V
			2	0.00	1.00	4098.00	0.00	0.36	-	V
2	Piano 1	1, 8	1	0.00	1.00	8400.00	0.00	1.15	-	V
			2	0.00	1.00	8400.00	0.00	1.15	-	V
			3	0.00	1.00	8400.00	0.00	1.15	-	V
			4	0.00	1.00	8580.00	0.00	1.15	-	V
3	Piano 1	2, 3	1	0.00	1.00	19944.00	0.00	0.30	-	V
4	Piano 1	2, 9	1	0.00	1.00	43150.00	0.00	0.71	-	V



5	Piano 1	3, 4	1	0.00	1.00	8700.00	0.00	1.01	-	V
			2	0.00	1.00	74400.00	0.00	0.94	-	V
			3	0.00	1.00	14100.00	0.00	0.99	-	V
			4	0.00	1.00	9563.99	0.00	1.01	-	V
6	Piano 1	5, 4	1	0.00	1.00	7200.00	0.00	0.38	-	V
			2	0.00	1.00	6744.00	0.00	0.38	-	V
7	Piano 1	6, 5	1	0.00	1.00	42798.00	0.00	0.37	-	V
8	Piano 1	10, 5	1	0.00	1.00	42800.00	0.00	0.71	-	V
9	Piano 1	7, 6	1	0.00	1.00	7800.01	0.00	1.14	-	V
			2	0.00	1.00	8400.00	0.00	1.17	-	V
			3	0.00	1.00	8400.00	0.00	1.17	-	V
			4	0.00	1.00	8760.00	0.00	1.14	-	V
10	Piano 1	8, 7	1	0.00	1.00	5220.00	0.00	1.17	-	V
			2	0.00	1.00	5604.00	0.00	1.06	-	V
11	Piano 1	7, 10	1	0.00	1.00	34415.00	0.00	0.40	-	V
12	Piano 1	8, 9	1	0.00	1.00	34415.00	0.00	0.41	-	V
13	Piano 1	9, 10	1	0.00	1.00	18020.00	0.00	0.58	-	V
14	Piano 2	1, 2	1	0.00	1.00	2200.00	0.00	0.47	-	V
			2	0.00	1.00	19525.00	0.00	0.28	-	V
			3	0.00	1.00	1831.50	0.00	0.37	-	V
15	Piano 2	1, 8	1	0.00	1.00	5500.00	0.00	1.23	-	V
			2	0.00	1.00	3575.00	0.00	1.57	-	V
			3	0.00	1.00	3575.00	0.00	1.58	-	V
			4	0.00	1.00	6215.00	0.00	1.16	-	V
16	Piano 2	2, 3	1	0.00	1.00	4730.00	0.00	0.30	-	V
			2	0.00	1.00	3377.00	0.00	0.35	-	V
17	Piano 2	2, 9	1	0.00	1.00	6300.00	0.00	0.90	-	V
			2	0.00	1.00	15550.00	0.00	0.73	-	V
			3	0.00	1.00	7550.00	0.00	0.86	-	V
18	Piano 2	3, 4	1	0.00	1.00	6050.00	0.00	0.98	-	V
			2	0.00	1.00	8855.00	0.00	1.00	-	V
			3	0.00	1.00	9570.00	0.00	1.00	-	V
			4	0.00	1.00	5060.00	0.00	1.06	-	V
			5	0.00	1.00	4895.00	0.00	1.07	-	V
			6	0.00	1.00	9625.00	0.00	1.01	-	V
			7	0.00	1.00	8910.00	0.00	1.00	-	V
			8	0.00	1.00	6951.99	0.00	0.97	-	V
19	Piano 2	5, 4	1	0.00	1.00	4785.00	0.00	0.30	-	V
			2	0.00	1.00	4147.00	0.00	0.32	-	V
20	Piano 2	6, 5	1	0.00	1.00	28050.00	0.00	0.27	-	V
			2	0.00	1.00	1831.50	0.00	0.56	-	V
21	Piano 2	10, 5	1	0.00	1.00	7650.00	0.00	0.37	-	V
			2	0.00	1.00	7650.00	0.00	1.06	-	V
			3	0.00	1.00	13749.99	0.00	0.75	-	V
22	Piano 2	7, 6	1	0.00	1.00	5280.00	0.00	1.19	-	V
			2	0.00	1.00	3575.00	0.00	1.61	-	V
			3	0.00	1.00	3575.00	0.00	1.61	-	V
			4	0.00	1.00	6049.99	0.00	1.17	-	V
23	Piano 2	8, 7	1	0.00	1.00	4785.00	0.00	1.01	-	V
			2	0.00	1.00	5137.00	0.00	1.03	-	V
24	Piano 2	7, 10	1	0.00	1.00	2000.00	0.00	0.49	-	V
			2	0.00	1.00	26915.00	0.00	0.28	-	V



25	Piano 2	8, 9	1	0.00	1.00	34665.00	0.00	0.24	-	V
26	Piano 2	9, 10	1	0.00	1.00	2000.00	0.00	1.39	-	V
			2	0.00	1.00	9020.00	0.00	0.47	-	V
27	Piano 3	1, 2	1	0.00	1.00	24165.00	0.00	0.14	-	V
			2	0.00	1.00	2308.50	0.00	0.14	-	V
28	Piano 3	1, 8	1	0.00	1.00	5895.00	0.00	0.88	-	V
			2	0.00	1.00	4500.00	0.00	0.97	-	V
			3	0.00	1.00	4635.00	0.00	0.96	-	V
			4	0.00	1.00	5580.00	0.00	0.88	-	V
29	Piano 3	2, 3	1	0.00	1.00	4950.00	0.00	0.14	-	V
			2	0.00	1.00	4383.00	0.00	0.14	-	V
30	Piano 3	2, 9	1	0.00	1.00	17800.00	0.00	0.39	-	V
			2	0.00	1.00	12720.00	0.00	0.40	-	V
31	Piano 3	3, 4	1	0.00	1.00	5760.00	0.00	0.77	-	V
			2	0.00	1.00	8910.00	0.00	0.77	-	V
			3	0.00	1.00	16335.00	0.00	0.75	-	V
			4	0.00	1.00	16515.00	0.00	0.75	-	V
			5	0.00	1.00	8910.00	0.00	0.77	-	V
			6	0.00	1.00	6768.00	0.00	0.76	-	V
32	Piano 3	5, 4	1	0.00	1.00	4680.00	0.00	0.14	-	V
			2	0.00	1.00	4653.00	0.00	0.14	-	V
33	Piano 3	6, 5	1	0.00	1.00	32773.50	0.00	0.14	-	V
34	Piano 3	10, 5	1	0.00	1.00	29839.99	0.00	0.40	-	V
35	Piano 3	7, 6	1	0.00	1.00	5220.00	0.00	0.88	-	V
			2	0.00	1.00	4500.00	0.00	0.98	-	V
			3	0.00	1.00	4500.00	0.00	0.98	-	V
			4	0.00	1.00	6074.99	0.00	0.87	-	V
36	Piano 3	8, 7	1	0.00	1.00	4590.00	0.00	0.89	-	V
			2	0.00	1.00	5328.00	0.00	0.88	-	V
37	Piano 3	7, 10	1	0.00	1.00	22920.00	0.00	0.14	-	V
			2	0.00	1.00	1452.00	0.00	0.14	-	V
38	Piano 3	8, 9	1	0.00	1.00	22920.00	0.00	0.14	-	V
			2	0.00	1.00	1452.00	0.00	0.14	-	V
39	Piano 3	9, 10	1	0.00	1.00	4000.00	0.00	0.52	-	V
			2	0.00	1.00	4416.00	0.00	0.51	-	V

Direzione Y										
Parete	Imp.	Fili	Maschio	V [daN]	$\beta$	A [cm <sup>2</sup> ]	$\tau$ [daN/cm <sup>2</sup> ]	$\tau_{lim}$ [daN/cm <sup>2</sup> ]	S	Esito
1	Piano 1	1, 2	1	0.00	1.00	32700.00	0.00	0.38	-	V
			2	0.00	1.00	4098.00	0.00	0.36	-	V
2	Piano 1	1, 8	1	0.00	1.00	8400.00	0.00	1.15	-	V
			2	0.00	1.00	8400.00	0.00	1.15	-	V
			3	0.00	1.00	8400.00	0.00	1.15	-	V
			4	0.00	1.00	8580.00	0.00	1.15	-	V
3	Piano 1	2, 3	1	0.00	1.00	19944.00	0.00	0.30	-	V
4	Piano 1	2, 9	1	0.00	1.00	43150.00	0.00	0.71	-	V
5	Piano 1	3, 4	1	0.00	1.00	8700.00	0.00	1.01	-	V
			2	0.00	1.00	74400.00	0.00	0.94	-	V
			3	0.00	1.00	14100.00	0.00	0.99	-	V
			4	0.00	1.00	9563.99	0.00	1.01	-	V



6	Piano 1	5, 4	1	0.00	1.00	7200.00	0.00	0.38	-	V
			2	0.00	1.00	6744.00	0.00	0.38	-	V
7	Piano 1	6, 5	1	0.00	1.00	42798.00	0.00	0.37	-	V
8	Piano 1	10, 5	1	0.00	1.00	42800.00	0.00	0.71	-	V
9	Piano 1	7, 6	1	0.00	1.00	7800.01	0.00	1.14	-	V
			2	0.00	1.00	8400.00	0.00	1.17	-	V
			3	0.00	1.00	8400.00	0.00	1.17	-	V
			4	0.00	1.00	8760.00	0.00	1.14	-	V
10	Piano 1	8, 7	1	0.00	1.00	5220.00	0.00	1.17	-	V
			2	0.00	1.00	5604.00	0.00	1.06	-	V
11	Piano 1	7, 10	1	0.00	1.00	34415.00	0.00	0.40	-	V
12	Piano 1	8, 9	1	0.00	1.00	34415.00	0.00	0.41	-	V
13	Piano 1	9, 10	1	0.00	1.00	18020.00	0.00	0.58	-	V
14	Piano 2	1, 2	1	0.00	1.00	2200.00	0.00	0.47	-	V
			2	0.00	1.00	19525.00	0.00	0.28	-	V
			3	0.00	1.00	1831.50	0.00	0.37	-	V
15	Piano 2	1, 8	1	0.00	1.00	5500.00	0.00	1.23	-	V
			2	0.00	1.00	3575.00	0.00	1.57	-	V
			3	0.00	1.00	3575.00	0.00	1.58	-	V
			4	0.00	1.00	6215.00	0.00	1.16	-	V
16	Piano 2	2, 3	1	0.00	1.00	4730.00	0.00	0.30	-	V
			2	0.00	1.00	3377.00	0.00	0.35	-	V
17	Piano 2	2, 9	1	0.00	1.00	6300.00	0.00	0.90	-	V
			2	0.00	1.00	15550.00	0.00	0.73	-	V
			3	0.00	1.00	7550.00	0.00	0.86	-	V
18	Piano 2	3, 4	1	0.00	1.00	6050.00	0.00	0.98	-	V
			2	0.00	1.00	8855.00	0.00	1.00	-	V
			3	0.00	1.00	9570.00	0.00	1.00	-	V
			4	0.00	1.00	5060.00	0.00	1.06	-	V
			5	0.00	1.00	4895.00	0.00	1.07	-	V
			6	0.00	1.00	9625.00	0.00	1.01	-	V
			7	0.00	1.00	8910.00	0.00	1.00	-	V
			8	0.00	1.00	6951.99	0.00	0.97	-	V
19	Piano 2	5, 4	1	0.00	1.00	4785.00	0.00	0.30	-	V
			2	0.00	1.00	4147.00	0.00	0.32	-	V
20	Piano 2	6, 5	1	0.00	1.00	28050.00	0.00	0.27	-	V
			2	0.00	1.00	1831.50	0.00	0.56	-	V
21	Piano 2	10, 5	1	0.00	1.00	7650.00	0.00	0.37	-	V
			2	0.00	1.00	7650.00	0.00	1.06	-	V
			3	0.00	1.00	13749.99	0.00	0.75	-	V
22	Piano 2	7, 6	1	0.00	1.00	5280.00	0.00	1.19	-	V
			2	0.00	1.00	3575.00	0.00	1.61	-	V
			3	0.00	1.00	3575.00	0.00	1.61	-	V
			4	0.00	1.00	6049.99	0.00	1.17	-	V
23	Piano 2	8, 7	1	0.00	1.00	4785.00	0.00	1.01	-	V
			2	0.00	1.00	5137.00	0.00	1.03	-	V
24	Piano 2	7, 10	1	0.00	1.00	2000.00	0.00	0.49	-	V
			2	0.00	1.00	26915.00	0.00	0.28	-	V
25	Piano 2	8, 9	1	0.00	1.00	34665.00	0.00	0.24	-	V
26	Piano 2	9, 10	1	0.00	1.00	2000.00	0.00	1.39	-	V
			2	0.00	1.00	9020.00	0.00	0.47	-	V
27	Piano 3	1, 2	1	0.00	1.00	24165.00	0.00	0.14	-	V



			2	0.00	1.00	2308.50	0.00	0.14	-	V
28	Piano 3	1, 8	1	0.00	1.00	5895.00	0.00	0.88	-	V
			2	0.00	1.00	4500.00	0.00	0.97	-	V
			3	0.00	1.00	4635.00	0.00	0.96	-	V
			4	0.00	1.00	5580.00	0.00	0.88	-	V
29	Piano 3	2, 3	1	0.00	1.00	4950.00	0.00	0.14	-	V
			2	0.00	1.00	4383.00	0.00	0.14	-	V
30	Piano 3	2, 9	1	0.00	1.00	17800.00	0.00	0.39	-	V
			2	0.00	1.00	12720.00	0.00	0.40	-	V
31	Piano 3	3, 4	1	0.00	1.00	5760.00	0.00	0.77	-	V
			2	0.00	1.00	8910.00	0.00	0.77	-	V
			3	0.00	1.00	16335.00	0.00	0.75	-	V
			4	0.00	1.00	16515.00	0.00	0.75	-	V
			5	0.00	1.00	8910.00	0.00	0.77	-	V
			6	0.00	1.00	6768.00	0.00	0.76	-	V
32	Piano 3	5, 4	1	0.00	1.00	4680.00	0.00	0.14	-	V
			2	0.00	1.00	4653.00	0.00	0.14	-	V
33	Piano 3	6, 5	1	0.00	1.00	32773.50	0.00	0.14	-	V
34	Piano 3	10, 5	1	0.00	1.00	29839.99	0.00	0.40	-	V
35	Piano 3	7, 6	1	0.00	1.00	5220.00	0.00	0.88	-	V
			2	0.00	1.00	4500.00	0.00	0.98	-	V
			3	0.00	1.00	4500.00	0.00	0.98	-	V
			4	0.00	1.00	6074.99	0.00	0.87	-	V
36	Piano 3	8, 7	1	0.00	1.00	4590.00	0.00	0.89	-	V
			2	0.00	1.00	5328.00	0.00	0.88	-	V
37	Piano 3	7, 10	1	0.00	1.00	22920.00	0.00	0.14	-	V
			2	0.00	1.00	1452.00	0.00	0.14	-	V
38	Piano 3	8, 9	1	0.00	1.00	22920.00	0.00	0.14	-	V
			2	0.00	1.00	1452.00	0.00	0.14	-	V
39	Piano 3	9, 10	1	0.00	1.00	4000.00	0.00	0.52	-	V
			2	0.00	1.00	4416.00	0.00	0.51	-	V

#### 4.5.1.1.5 Verifica ad Eccentricità.

Tabella 25.I

##### Verifica eccentricità della sezione di Testa

Parete : numero della parete  
 Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 Maschio : numero identificativo dei maschi murari di ogni parete;  
 t : spessore della parete  
 $e_1$  : eccentricità dello sforzo normale rispetto all'asse della parete nella sezione di testa;  
 $e_1/t$  : rapporto tra l'eccentricità  $e_1$  ed lo spessore della parete t  
 $(e_1/t)_{lim}$  : valore limite del rapporto tra l'eccentricità e lo spessore  
 S : coefficiente di sicurezza  
 Esito : V : Verificato  
 : NV : Non Verificato

Parete	Imp.	Fili	Maschio	t [cm]	$e_1$ [cm]	$e_1/t$	$(e_1/t)_{lim}$	S	Esito
1	Piano 1	1, 2	1	60.00	3.50	0.06	0.33	5.66	V
			2	60.00	3.50	0.06	0.33	5.66	V
2	Piano 1	1, 8	1	60.00	3.50	0.06	0.33	5.66	V



			2	60.00	3.50	0.06	0.33	5.66	V
			3	60.00	3.50	0.06	0.33	5.66	V
			4	60.00	3.50	0.06	0.33	5.66	V
3	Piano 1	2, 3	1	60.00	3.50	0.06	0.33	5.66	V
4	Piano 1	2, 9	1	50.00	1.00	0.02	0.33	16.50	V
5	Piano 1	3, 4	1	60.00	3.50	0.06	0.33	5.66	V
			2	60.00	3.50	0.06	0.33	5.66	V
			3	60.00	3.50	0.06	0.33	5.66	V
			4	60.00	3.50	0.06	0.33	5.66	V
6	Piano 1	5, 4	1	60.00	3.50	0.06	0.33	5.66	V
			2	60.00	3.50	0.06	0.33	5.66	V
7	Piano 1	6, 5	1	60.00	3.50	0.06	0.33	5.66	V
8	Piano 1	10, 5	1	50.00	1.00	0.02	0.33	16.50	V
9	Piano 1	7, 6	1	60.00	3.50	0.06	0.33	5.66	V
			2	60.00	3.50	0.06	0.33	5.66	V
			3	60.00	3.50	0.06	0.33	5.66	V
			4	60.00	3.50	0.06	0.33	5.66	V
10	Piano 1	8, 7	1	60.00	3.50	0.06	0.33	5.66	V
			2	60.00	3.50	0.06	0.33	5.66	V
11	Piano 1	7, 10	1	50.00	1.00	0.02	0.33	16.50	V
12	Piano 1	8, 9	1	50.00	1.00	0.02	0.33	16.50	V
13	Piano 1	9, 10	1	50.00	1.00	0.02	0.33	16.50	V
14	Piano 2	1, 2	1	55.00	7.42	0.13	0.33	2.45	V
			2	55.00	7.42	0.13	0.33	2.45	V
			3	55.00	7.42	0.13	0.33	2.45	V
15	Piano 2	1, 8	1	55.00	5.85	0.11	0.33	3.10	V
			2	55.00	6.44	0.12	0.33	2.82	V
			3	55.00	6.35	0.12	0.33	2.86	V
			4	55.00	6.41	0.12	0.33	2.83	V
16	Piano 2	2, 3	1	55.00	7.41	0.13	0.33	2.45	V
			2	55.00	7.41	0.13	0.33	2.45	V
17	Piano 2	2, 9	1	50.00	4.37	0.09	0.33	3.78	V
			2	50.00	4.48	0.09	0.33	3.69	V
			3	50.00	4.31	0.09	0.33	3.83	V
18	Piano 2	3, 4	1	55.00	4.84	0.09	0.33	3.75	V
			2	55.00	4.58	0.08	0.33	3.96	V
			3	55.00	3.49	0.06	0.33	5.21	V
			4	55.00	3.42	0.06	0.33	5.31	V
			5	55.00	3.43	0.06	0.33	5.29	V
			6	55.00	3.40	0.06	0.33	5.33	V
			7	55.00	4.59	0.08	0.33	3.95	V
			8	55.00	4.56	0.08	0.33	3.98	V
19	Piano 2	5, 4	1	55.00	7.42	0.13	0.33	2.45	V
			2	55.00	7.42	0.13	0.33	2.45	V
20	Piano 2	6, 5	1	55.00	7.42	0.13	0.33	2.45	V
			2	55.00	7.42	0.13	0.33	2.45	V
21	Piano 2	10, 5	1	50.00	8.22	0.16	0.33	2.01	V
			2	50.00	4.26	0.09	0.33	3.87	V
			3	50.00	4.24	0.08	0.33	3.89	V
22	Piano 2	7, 6	1	55.00	6.00	0.11	0.33	3.02	V
			2	55.00	6.61	0.12	0.33	2.75	V
			3	55.00	6.61	0.12	0.33	2.75	V
			4	55.00	5.79	0.11	0.33	3.14	V



23	Piano 2	8, 7	1	55.00	7.41	0.13	0.33	2.45	V
			2	55.00	7.41	0.13	0.33	2.45	V
24	Piano 2	7, 10	1	50.00	2.42	0.05	0.33	6.83	V
			2	50.00	2.42	0.05	0.33	6.83	V
25	Piano 2	8, 9	1	50.00	2.42	0.05	0.33	6.83	V
26	Piano 2	9, 10	1	50.00	4.46	0.09	0.33	3.70	V
			2	50.00	6.32	0.13	0.33	2.61	V
27	Piano 3	1, 2	1	45.00	1.93	0.04	0.33	7.67	V
			2	45.00	1.93	0.04	0.33	7.67	V
28	Piano 3	1, 8	1	45.00	12.44	0.28	0.33	1.19	V
			2	45.00	12.44	0.28	0.33	1.19	V
			3	45.00	12.44	0.28	0.33	1.19	V
			4	45.00	12.44	0.28	0.33	1.19	V
29	Piano 3	2, 3	1	45.00	1.93	0.04	0.33	7.67	V
			2	45.00	1.93	0.04	0.33	7.67	V
30	Piano 3	2, 9	1	40.00	4.87	0.12	0.33	2.71	V
			2	40.00	4.87	0.12	0.33	2.71	V
31	Piano 3	3, 4	1	45.00	12.44	0.28	0.33	1.19	V
			2	45.00	12.44	0.28	0.33	1.19	V
			3	45.00	12.44	0.28	0.33	1.19	V
			4	45.00	12.44	0.28	0.33	1.19	V
			5	45.00	12.44	0.28	0.33	1.19	V
			6	45.00	12.44	0.28	0.33	1.19	V
32	Piano 3	5, 4	1	45.00	1.93	0.04	0.33	7.67	V
			2	45.00	1.93	0.04	0.33	7.67	V
33	Piano 3	6, 5	1	45.00	1.93	0.04	0.33	7.67	V
34	Piano 3	10, 5	1	40.00	4.87	0.12	0.33	2.71	V
35	Piano 3	7, 6	1	45.00	12.44	0.28	0.33	1.19	V
			2	45.00	12.43	0.28	0.33	1.19	V
			3	45.00	12.43	0.28	0.33	1.19	V
			4	45.00	12.44	0.28	0.33	1.19	V
36	Piano 3	8, 7	1	45.00	12.44	0.28	0.33	1.19	V
			2	45.00	12.44	0.28	0.33	1.19	V
37	Piano 3	7, 10	1	40.00	1.93	0.05	0.33	6.82	V
			2	40.00	1.93	0.05	0.33	6.82	V
38	Piano 3	8, 9	1	40.00	1.93	0.05	0.33	6.82	V
			2	40.00	1.93	0.05	0.33	6.82	V
39	Piano 3	9, 10	1	40.00	4.87	0.12	0.33	2.71	V
			2	40.00	4.87	0.12	0.33	2.71	V

#### Verifica eccentricità della sezione di Mezzeria

Parete : numero della parete  
 Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale  
 Maschio : numero identificativo dei maschi murari di ogni parete;  
 t : spessore della parete  
 $e_1$  : eccentricità dello sforzo normale rispetto all'asse della parete nella sezione di testa;  
 $e_v$  : eccentricità dovuta all'azione del vento nella sezione di mezzeria  
 $e_2$  : eccentricità dello sforzo normale rispetto all'asse della parete nella sezione di mezzeria;  
 $e_2/t$  : rapporto tra l'eccentricità  $e_2$  ed lo spessore della parete t  
 $(e_2/t)_{lim}$  : valore limite del rapporto tra l'eccentricità e lo spessore  
 S : coefficiente di sicurezza



Esito : V : Verificato  
: NV : Non Verificato

Parete	Imp.	Fili	Maschio	t [cm]	e <sub>1</sub> /2 [cm]	e <sub>v</sub> [cm]	e <sub>2</sub> [cm]	e <sub>2</sub> /t	(e <sub>2</sub> /t) <sub>lim</sub>	S	Esito
1	Piano 1	1, 2	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			2	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
2	Piano 1	1, 8	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			2	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			3	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			4	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
3	Piano 1	2, 3	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
4	Piano 1	2, 9	1	50.00	0.50	0.00	0.50	0.01	0.33	33.00	V
5	Piano 1	3, 4	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			2	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			3	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			4	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
6	Piano 1	5, 4	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			2	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
7	Piano 1	6, 5	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
8	Piano 1	10, 5	1	50.00	0.50	0.00	0.50	0.01	0.33	33.00	V
9	Piano 1	7, 6	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			2	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			3	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			4	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
10	Piano 1	8, 7	1	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
			2	60.00	1.75	0.00	1.75	0.03	0.33	11.31	V
11	Piano 1	7, 10	1	50.00	0.50	0.00	0.50	0.01	0.33	33.00	V
12	Piano 1	8, 9	1	50.00	0.50	0.00	0.50	0.01	0.33	33.00	V
13	Piano 1	9, 10	1	50.00	0.50	0.00	0.50	0.01	0.33	33.00	V
14	Piano 2	1, 2	1	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
			2	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
			3	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
15	Piano 2	1, 8	1	55.00	2.93	0.00	2.93	0.05	0.33	6.20	V
			2	55.00	3.22	0.00	3.22	0.06	0.33	5.63	V
			3	55.00	3.18	0.00	3.18	0.06	0.33	5.71	V
			4	55.00	3.20	0.00	3.20	0.06	0.33	5.67	V
16	Piano 2	2, 3	1	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
			2	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
17	Piano 2	2, 9	1	50.00	2.18	0.00	2.18	0.04	0.33	7.56	V
			2	50.00	2.24	0.00	2.24	0.04	0.33	7.37	V
			3	50.00	2.16	0.00	2.16	0.04	0.33	7.65	V
18	Piano 2	3, 4	1	55.00	2.42	0.00	2.42	0.04	0.33	7.49	V
			2	55.00	2.29	0.00	2.29	0.04	0.33	7.93	V
			3	55.00	1.74	0.00	1.74	0.03	0.33	10.42	V
			4	55.00	1.71	0.00	1.71	0.03	0.33	10.62	V
			5	55.00	1.72	0.00	1.72	0.03	0.33	10.58	V
			6	55.00	1.70	0.00	1.70	0.03	0.33	10.66	V
			7	55.00	2.30	0.00	2.30	0.04	0.33	7.90	V
			8	55.00	2.28	0.00	2.28	0.04	0.33	7.96	V
19	Piano 2	5, 4	1	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
			2	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
20	Piano 2	6, 5	1	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V



			2	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
21	Piano 2	10, 5	1	50.00	4.11	0.00	4.11	0.08	0.33	4.01	V
			2	50.00	2.13	0.00	2.13	0.04	0.33	7.75	V
			3	50.00	2.12	0.00	2.12	0.04	0.33	7.79	V
22	Piano 2	7, 6	1	55.00	3.00	0.00	3.00	0.05	0.33	6.05	V
			2	55.00	3.31	0.00	3.31	0.06	0.33	5.49	V
			3	55.00	3.31	0.00	3.31	0.06	0.33	5.49	V
			4	55.00	2.89	0.00	2.89	0.05	0.33	6.27	V
23	Piano 2	8, 7	1	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
			2	55.00	3.71	0.00	3.71	0.07	0.33	4.90	V
24	Piano 2	7, 10	1	50.00	1.21	0.00	1.21	0.02	0.33	13.66	V
			2	50.00	1.21	0.00	1.21	0.02	0.33	13.66	V
25	Piano 2	8, 9	1	50.00	1.21	0.00	1.21	0.02	0.33	13.66	V
26	Piano 2	9, 10	1	50.00	2.23	0.00	2.23	0.04	0.33	7.39	V
			2	50.00	3.16	0.00	3.16	0.06	0.33	5.23	V
27	Piano 3	1, 2	1	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
			2	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
28	Piano 3	1, 8	1	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			2	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			3	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			4	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
29	Piano 3	2, 3	1	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
			2	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
30	Piano 3	2, 9	1	40.00	2.43	0.00	2.43	0.06	0.33	5.42	V
			2	40.00	2.43	0.00	2.43	0.06	0.33	5.42	V
31	Piano 3	3, 4	1	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			2	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			3	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			4	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			5	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			6	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
32	Piano 3	5, 4	1	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
			2	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
33	Piano 3	6, 5	1	45.00	0.97	0.00	0.97	0.02	0.33	15.35	V
34	Piano 3	10, 5	1	40.00	2.43	0.00	2.43	0.06	0.33	5.42	V
35	Piano 3	7, 6	1	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			2	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			3	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			4	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
36	Piano 3	8, 7	1	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
			2	45.00	6.22	0.00	6.22	0.14	0.33	2.39	V
37	Piano 3	7, 10	1	40.00	0.97	0.00	0.97	0.02	0.33	13.64	V
			2	40.00	0.97	0.00	0.97	0.02	0.33	13.64	V
38	Piano 3	8, 9	1	40.00	0.97	0.00	0.97	0.02	0.33	13.64	V
			2	40.00	0.97	0.00	0.97	0.02	0.33	13.64	V
39	Piano 3	9, 10	1	40.00	2.43	0.00	2.43	0.06	0.33	5.42	V
			2	40.00	2.43	0.00	2.43	0.06	0.33	5.42	V

Verifica eccentricità della sezione al Piede

Parete : numero della parete  
 Imp. : numero dell'impalcato  
 Fili : numero dei fili fissi iniziale e finale



Maschio : numero identificativo dei maschi murari di ogni parete;  
 L : spessore della parete  
 $e_{bx}$  : eccentricità dello sforzo normale per effetto del vento in direzione x sulla sezione al piede  
 $e_{by}$  : eccentricità dello sforzo normale per effetto del vento in direzione y sulla sezione al piede  
 $(6e_b/L)_x$  : rapporto tra l'eccentricità e la lunghezza della parete per effetto del vento in direzione x  
 $(6e_b/L)_y$  : rapporto tra l'eccentricità e la lunghezza della parete per effetto del vento in direzione y  
 $(6e_b/L)_{lim}$  : valore limite del rapporto tra l'eccentricità e lo spessore  
 $S_x$  : coefficiente di sicurezza per effetto del vento in direzione x  
 $S_y$  : coefficiente di sicurezza per effetto del vento in direzione y  
 Esito X, Esito Y : V : Verificato  
 : NV : Non Verificato

Parete	Imp.	Fili	Maschio	L [cm]	$e_{bx}$ [cm]	$e_{by}$ [cm]	$(6e_b/L)_x$	$(6e_b/L)_y$	$(6e_b/L)_{lim}$	$S_x$	$S_y$	Esito X	Esito Y
1	Piano 1	1, 2	1	545.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	68.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
2	Piano 1	1, 8	1	140.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	140.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	140.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	143.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
3	Piano 1	2, 3	1	332.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
4	Piano 1	2, 9	1	863.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
5	Piano 1	3, 4	1	145.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	1240.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	235.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	159.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
6	Piano 1	5, 4	1	120.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	112.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
7	Piano 1	6, 5	1	713.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
8	Piano 1	10, 5	1	856.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
9	Piano 1	7, 6	1	130.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	140.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	140.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	146.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
10	Piano 1	8, 7	1	87.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	93.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
11	Piano 1	7, 10	1	688.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
12	Piano 1	8, 9	1	688.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
13	Piano 1	9, 10	1	360.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
14	Piano 2	1, 2	1	40.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	355.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	33.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
15	Piano 2	1, 8	1	100.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	65.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	65.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V



			4	113.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>16</b>	Pian o 2	2, 3	1	86.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	61.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>17</b>	Pian o 2	2, 9	1	126.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	311.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	151.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>18</b>	Pian o 2	3, 4	1	110.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	161.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	174.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	92.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			5	89.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			6	175.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			7	162.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			8	126.4 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>19</b>	Pian o 2	5, 4	1	87.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	75.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>20</b>	Pian o 2	6, 5	1	510.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	33.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>21</b>	Pian o 2	10, 5	1	153.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	153.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	275.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>22</b>	Pian o 2	7, 6	1	96.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	65.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	65.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	110.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>23</b>	Pian o 2	8, 7	1	87.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	93.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>24</b>	Pian o 2	7, 10	1	40.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	538.3 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>25</b>	Pian o 2	8, 9	1	693.3 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>26</b>	Pian o 2	9, 10	1	40.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	180.4 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>27</b>	Pian o 3	1, 2	1	537.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	51.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>28</b>	Pian o 3	1, 8	1	131.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	100.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	103.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	124.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>29</b>	Pian o 3	2, 3	1	110.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	97.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
<b>30</b>	Pian o 3	2, 9	1	445.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	318.0 0	0.00	0.00	0.00	0.00	1.30	-	-	V	V



31	Piano 3	3, 4	1	128.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	198.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	363.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	367.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			5	198.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			6	150.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
32	Piano 3	5, 4	1	104.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	103.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
33	Piano 3	6, 5	1	728.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
34	Piano 3	10, 5	1	746.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
35	Piano 3	7, 6	1	116.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	100.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			3	100.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			4	135.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
36	Piano 3	8, 7	1	102.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	118.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V
37	Piano 3	7, 10	1	573.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	36.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
38	Piano 3	8, 9	1	573.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	36.30	0.00	0.00	0.00	0.00	1.30	-	-	V	V
39	Piano 3	9, 10	1	100.00	0.00	0.00	0.00	0.00	1.30	-	-	V	V
			2	110.40	0.00	0.00	0.00	0.00	1.30	-	-	V	V

## 5 ALLEGATI.

### 5.1 ALLEGATO A - (Meccanismi Locali)

Fili Fissi	: numero dei fili fissi iniziale e finale;
Numero pareti	: numero delle pareti che partecipano al meccanismo;
X <sub>min</sub>	: coordinata minima in X del meccanismo;
Y <sub>min</sub>	: coordinata minima in Y del meccanismo;
X <sub>max</sub>	: coordinata massima in X del meccanismo;
Y <sub>max</sub>	: coordinata massima in Y del meccanismo;
$\alpha_0$	: moltiplicatore di attivazione del meccanismo;
$\alpha$	: moltiplicatore alla generica deformata;
M*	: massa partecipante del meccanismo;
e*	: frazione di massa partecipante;
FC	: fattore di confidenza;
a* <sub>0</sub>	: accelerazione spettrale di attivazione del meccanismo;
d <sub>k</sub>	: spostamento del punto di controllo della struttura;
d*	: spostamento spettrale;
a*	: accelerazione spettrale;
a <sub>g</sub>	: accelerazione massima orizzontale;
S	: coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche;
Z	: altezza della linea di vincolo rispetto alla fondazione dell'edificio;



$\psi(Z)$	: primo modo di vibrazione;
$\gamma$	: coefficiente di partecipazione modale;
$T_1$	: periodo di vibrazione fondamentale dell'intera struttura nella direzione considerata;
$S_e(T_1)$	: spettro di risposta elastico valutato per il periodo $T_1$ ;
$q$	: fattore di comportamento ;
$d_u^*$	: capacità di spostamento ultimo;
$T_s$	: periodo secante per il calcolo dello spostamento richiesto;
$d_s^*$	: definito come $0.4 \cdot d_u^*$ ;
$a_s^*$	: accelerazione spettrale in corrispondenza dello spostamento $d_s^*$ ;
$S_{De}(T_1)$	: spettro di risposta in termini di spostamenti valutato per il periodo $T_1$ ;
$\Delta_d$	: spostamento richiesto;
$s$	: Coefficiente di sicurezza;
Esito	: esito della verifica;

**MECCANISMO LOCALE 1 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 683.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	683.000	-7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-7.50	879.01	0.00	-22408.16
<b>Forze inerziali</b>	-7.50	879.01	$-22408.16 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	15.00	941.00	1109.40	0.00
	-7.50	941.00	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a_0^*$ [cm/sec <sup>2</sup> ]
0.14	33.85	0.89	1.35	115.51

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.58	NV

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.52	NV

**MECCANISMO LOCALE 1 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 15.00 cm, 683.00 cm; Verso di rotazione: Orario)**

**Dati Generali**



Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
15.000	683.000	-7.5000	1070.0000	Orario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-7.50	879.01	0.00	-22408.16
Forze inerziali	-7.50	879.01	$-22408.16 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-7.50	941.00	2496.15	0.00
	-7.50	941.00	2496.15	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.18	33.85	0.89	1.35	144.33

## Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.73	NV

## Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.64	NV

**MECCANISMO LOCALE 1 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 200.00 cm; Verso di rotazione: Antiorario)**

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	200.000	-7.5000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-2.50	465.88	0.00	-29333.86
	-7.50	879.01	0.00	-22408.16
Forze inerziali	-2.50	465.88	$-29333.86 \cdot \alpha$	0.00
	-7.50	879.01	$-22408.16 \cdot \alpha$	0.00
	-30.00	683.00	$-12963.57 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00



<b>Forze di connessione tra pareti ortogonali</b>	25.00	522.00	960.86	0.00
	15.00	894.95	1725.31	0.00
	-2.50	522.00	3807.65	0.00
	-7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	<b>M*</b> [daNm]	<b>e*</b>	<b>FC</b>	<b>a*<sub>0</sub></b> [cm/sec <sup>2</sup> ]
0.14	67.96	0.84	1.35	118.91

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.23	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.08	V

**MECCANISMO LOCALE 1 - (Ribaltamento Semplice)**  
(Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	-7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-2.50	465.88	0.00	-29333.86
	-7.50	879.01	0.00	-22408.16
<b>Forze inerziali</b>	-2.50	465.88	$-29333.86 \cdot \alpha$	0.00
	-7.50	879.01	$-22408.16 \cdot \alpha$	0.00
	-30.00	683.00	$-12963.57 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-2.50	522.00	3807.65	0.00
	-2.50	522.00	3807.65	0.00
	-7.50	894.95	2496.15	0.00
	-7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	<b>M*</b> [daNm]	<b>e*</b>	<b>FC</b>	<b>a*<sub>0</sub></b> [cm/sec <sup>2</sup> ]
0.18	67.96	0.84	1.35	153.40

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.59	V



## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.39	V

**MECCANISMO LOCALE 1 - (Ribaltamento Semplice)**  
 (Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	-7.5000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	98.93	0.00	-17539.20
	-2.50	465.88	0.00	-29333.86
	-7.50	879.01	0.00	-22408.16
<b>Forze inerziali</b>	0.00	98.93	$-17539.20 \cdot \alpha$	0.00
	-2.50	465.88	$-29333.86 \cdot \alpha$	0.00
	-7.50	879.01	$-22408.16 \cdot \alpha$	0.00
	-30.00	683.00	$-12963.57 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	30.00	133.33	747.66	0.00
	30.00	133.33	133.96	0.00
	25.00	485.53	1428.27	0.00
	15.00	890.74	1817.55	0.00
	-2.50	485.53	3807.65	0.00
	-7.50	890.74	2496.15	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.14	77.74	0.79	1.35	129.05

## Stato limite di danno (SLD)

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.34	V

## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.17	V

**MECCANISMO LOCALE 1 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)



### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	-7.5000	1070.0000	Orario

### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	98.93	0.00	-17539.20
	-2.50	465.88	0.00	-29333.86
	-7.50	879.01	0.00	-22408.16
<b>Forze inerziali</b>	0.00	98.93	$-17539.20 \cdot \alpha$	0.00
	-2.50	465.88	$-29333.86 \cdot \alpha$	0.00
	-7.50	879.01	$-22408.16 \cdot \alpha$	0.00
	-30.00	683.00	$-12963.57 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	0.00	133.33	1720.00	0.00
	0.00	133.33	1720.00	0.00
	-2.50	485.53	3807.65	0.00
	-2.50	485.53	3807.65	0.00
	-7.50	890.74	2496.15	0.00
	-7.50	890.74	2496.15	0.00

### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.18	77.74	0.79	1.35	169.04

### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.75	V

### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.53	V

## MECCANISMO LOCALE 1 - (Flessione Verticale)

(Posizione cerniera: 15.00 cm, 1031.30 cm; Verso di rotazione: Antiorario)

### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-2	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	



15.000	1031.300	15.0000	1031.3000	Antiorario
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#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-7.50	1050.65	0.00	-2615.03
<b>Forze inerziali</b>	-7.50	1050.65	$-2615.03 \cdot \alpha$	0.00
	-30.00	1070.00	$-14713.50 \cdot \alpha$	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.23	66.51	0.67	1.35	248.08

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	2.57	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	2.24	V

### MECCANISMO LOCALE 2 - (Ribaltamento Semplice) (Posizione cerniera: -15.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
<b>1-8</b>	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	683.000	7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	7.50	884.86	0.00	-18124.03
<b>Carico solai</b>	-3.00	1070.00	0.00	-27040.64
<b>Forze inerziali</b>	7.50	884.86	$-18124.03 \cdot \alpha$	0.00
	-3.00	1070.00	$-27040.64 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	7.50	941.00	11610.00	0.00
	7.50	941.00	11610.00	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.48	42.48	0.92	1.35	374.89

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	1.89	V



## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	1.67	V

**MECCANISMO LOCALE 2 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 30.00 cm, 683.00 cm; Verso di rotazione: Orario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-8	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	683.000	7.5000	1070.0000	Orario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	884.86	0.00	-18124.03
Carico solai	-3.00	1070.00	0.00	-27040.64
Forze inerziali	7.50	884.86	$-18124.03 \cdot \alpha$	0.00
	-3.00	1070.00	$-27040.64 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-15.00	941.00	1248.07	0.00
	-15.00	941.00	1109.40	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.14	42.48	0.92	1.35	106.41

## Stato limite di danno (SLD)

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.54	NV

## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.47	NV

**MECCANISMO LOCALE 2 - (Ribaltamento Semplice)**  
 (Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-8	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione



X	Y	X	Y	
-25.000	200.000	7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	483.30	0.00	-22549.87
	7.50	884.86	0.00	-18124.03
<b>Carico solai</b>	-17.50	683.00	0.00	-23824.60
	-3.00	1070.00	0.00	-27040.64
<b>Forze inerziali</b>	2.50	483.30	-22549.87 · $\alpha$	0.00
	7.50	884.86	-18124.03 · $\alpha$	0.00
	-17.50	683.00	-23824.60 · $\alpha$	0.00
	-3.00	1070.00	-27040.64 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	2.50	522.00	9643.33	0.00
	2.50	522.00	17710.00	0.00
	7.50	894.95	11610.00	0.00
	7.50	894.95	11610.00	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.50	81.34	0.87	1.35	417.00

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	4.32	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	3.77	V

### MECCANISMO LOCALE 2 - (Ribaltamento Semplice)

(Posizione cerniera: 30.00 cm, 200.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-8	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	200.000	7.5000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	483.30	0.00	-22549.87
	7.50	884.86	0.00	-18124.03
<b>Carico solai</b>	-17.50	683.00	0.00	-23824.60
	-3.00	1070.00	0.00	-27040.64
<b>Forze inerziali</b>	2.50	483.30	-22549.87 · $\alpha$	0.00



	7.50	884.86	$-18124.03 \cdot \alpha$	0.00
	-17.50	683.00	$-23824.60 \cdot \alpha$	0.00
	-3.00	1070.00	$-27040.64 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	522.00	1056.95	0.00
	-25.00	522.00	960.86	0.00
	-15.00	894.95	1940.97	0.00
	-15.00	894.95	1725.31	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.12	81.34	0.87	1.35	96.78

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.00	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.87	NV

**MECCANISMO LOCALE 2 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
<b>1-8</b>	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	97.26	0.00	-18478.80
	2.50	483.30	0.00	-22549.87
	7.50	884.86	0.00	-18124.03
<b>Carico solai</b>	-17.50	683.00	0.00	-23824.60
	-3.00	1070.00	0.00	-27040.64
<b>Forze inerziali</b>	0.00	97.26	$-18478.80 \cdot \alpha$	0.00
	2.50	483.30	$-22549.87 \cdot \alpha$	0.00
	7.50	884.86	$-18124.03 \cdot \alpha$	0.00
	-17.50	683.00	$-23824.60 \cdot \alpha$	0.00
	-3.00	1070.00	$-27040.64 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	6230.53	0.00
	-30.00	133.33	5192.11	0.00
	2.50	485.53	9643.33	0.00
	2.50	485.53	17710.00	0.00
	7.50	890.74	11610.00	0.00



	7.50	890.74	11610.00	0.00
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**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.52	90.35	0.81	1.35	469.45

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	4.87	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	4.24	V

**MECCANISMO LOCALE 2 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-8	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	97.26	0.00	-18478.80
	2.50	483.30	0.00	-22549.87
	7.50	884.86	0.00	-18124.03
<b>Carico solai</b>	-17.50	683.00	0.00	-23824.60
	-3.00	1070.00	0.00	-27040.64
<b>Forze inerziali</b>	0.00	97.26	-18478.80 · $\alpha$	0.00
	2.50	483.30	-22549.87 · $\alpha$	0.00
	7.50	884.86	-18124.03 · $\alpha$	0.00
	-17.50	683.00	-23824.60 · $\alpha$	0.00
	-3.00	1070.00	-27040.64 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	160.75	0.00
	-30.00	133.33	133.96	0.00
	-25.00	485.53	1571.10	0.00
	-25.00	485.53	1428.27	0.00
	-15.00	890.74	2044.74	0.00
	-15.00	890.74	1817.55	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.12	90.35	0.81	1.35	104.21

**Stato limite di danno (SLD)**



$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.08	V

Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.94	NV

**MECCANISMO LOCALE 2 - (Flessione Verticale)**  
(Posizione cerniera: -15.00 cm, 721.70 cm; Verso di rotazione: Orario)

Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
1-8	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	721.700	-15.0000	721.7000	Orario

Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	914.71	0.00	-15597.21
Carico solai	-3.00	1070.00	0.00	-27040.64
Forze inerziali	7.50	914.71	-15597.21 · $\alpha$	0.00
	-3.00	1070.00	-27040.64 · $\alpha$	0.00

Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.26	67.17	0.60	1.35	313.39

Stato limite di danno (SLD)

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.25	V

Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	2.83	V

**MECCANISMO LOCALE 3 - (Ribaltamento Semplice)**  
(Posizione cerniera: -30.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00



Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	683.000	-7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-7.50	882.64	0.00	-9141.42
Forze inerziali	-7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-30.00	1070.00	$-25540.22 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	15.00	941.00	1109.40	0.00
	-7.50	941.00	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.10	33.37	0.94	1.35	74.68

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.38	NV

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.33	NV

**MECCANISMO LOCALE 3 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 15.00 cm, 683.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
15.000	683.000	-7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-7.50	882.64	0.00	-9141.42
Forze inerziali	-7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-30.00	1070.00	$-25540.22 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-7.50	941.00	2496.15	0.00
	-7.50	941.00	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	33.37	0.94	1.35	98.20

**Stato limite di danno (SLD)**



$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.50	NV

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.44	NV

**MECCANISMO LOCALE 3 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 200.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	200.000	-7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-2.50	475.23	0.00	-11236.14
	-7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	-2.50	475.23	$-11236.14 \cdot \alpha$	0.00
	-7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-30.00	683.00	$-22708.69 \cdot \alpha$	0.00
	-30.00	1070.00	$-25540.22 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	522.00	960.86	0.00
	15.00	894.95	1725.31	0.00
	-2.50	522.00	3807.65	0.00
	-7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.12	62.00	0.89	1.35	96.10

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.00	NV

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.87	NV

**MECCANISMO LOCALE 3 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)**



## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	-7.5000	1070.0000	Orario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-2.50	475.23	0.00	-11236.14
	-7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	-2.50	475.23	$-11236.14 \cdot \alpha$	0.00
	-7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-30.00	683.00	$-22708.69 \cdot \alpha$	0.00
	-30.00	1070.00	$-25540.22 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-2.50	522.00	3807.65	0.00
	-2.50	522.00	3807.65	0.00
	-7.50	894.95	2496.15	0.00
	-7.50	894.95	2496.15	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.15	62.00	0.89	1.35	125.87

## Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.30	V

## Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.14	V

**MECCANISMO LOCALE 3 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	-7.5000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-8697.60
	-2.50	475.23	0.00	-11236.14



	-7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	0.00	100.00	-8697.60 · $\alpha$	0.00
	-2.50	475.23	-11236.14 · $\alpha$	0.00
	-7.50	882.64	-9141.42 · $\alpha$	0.00
	-30.00	683.00	-22708.69 · $\alpha$	0.00
	-30.00	1070.00	-25540.22 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	30.00	133.33	133.96	0.00
	30.00	133.33	747.66	0.00
	25.00	485.53	1428.27	0.00
	15.00	890.74	1817.55	0.00
	-2.50	485.53	3807.65	0.00
	-7.50	890.74	2496.15	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	67.10	0.85	1.35	108.77

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.13	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.98	NV

### MECCANISMO LOCALE 3 - (Ribaltamento Semplice) (Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	-7.5000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-8697.60
	-2.50	475.23	0.00	-11236.14
	-7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	0.00	100.00	-8697.60 · $\alpha$	0.00
	-2.50	475.23	-11236.14 · $\alpha$	0.00
	-7.50	882.64	-9141.42 · $\alpha$	0.00
	-30.00	683.00	-22708.69 · $\alpha$	0.00
	-30.00	1070.00	-25540.22 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	0.00	133.33	1720.00	0.00
	0.00	133.33	1720.00	0.00
	-2.50	485.53	3807.65	0.00
	-2.50	485.53	3807.65	0.00



	-7.50	890.74	2496.15	0.00
	-7.50	890.74	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.17	67.10	0.85	1.35	143.06

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.48	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.29	V

**MECCANISMO LOCALE 3 - (Flessione Verticale)**  
(Posizione cerniera: 15.00 cm, 721.70 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-3	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
15.000	721.700	15.0000	721.7000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-7.50	909.54	0.00	-7962.67
Forze inerziali	-7.50	909.54	-7962.67 · α	0.00
	-30.00	1070.00	-25540.22 · α	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.26	44.10	0.56	1.35	338.77

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.51	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	3.06	V

**MECCANISMO LOCALE 4 - (Ribaltamento Semplice)**  
(Posizione cerniera: -20.00 cm, 683.00 cm; Verso di rotazione: Antiorario)



## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-20.000	683.000	0.0000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	880.69	0.00	-25855.48
Carico solai	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
Forze inerziali	0.00	880.69	-25855.48 · $\alpha$	0.00
	8.00	1070.00	-27040.64 · $\alpha$	0.00
	-8.00	1070.00	-12527.30 · $\alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	1248.07	0.00
	20.00	941.00	1109.40	0.00
	0.00	941.00	1014.80	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.11	61.33	0.92	1.35	88.78

## Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.45	NV

## Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.40	NV

**MECCANISMO LOCALE 4 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 20.00 cm, 683.00 cm; Verso di rotazione: Orario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	683.000	0.0000	1070.0000	Orario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	880.69	0.00	-25855.48



Carico solai	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
Forze inerziali	0.00	880.69	$-25855.48 \cdot \alpha$	0.00
	8.00	1070.00	$-27040.64 \cdot \alpha$	0.00
	-8.00	1070.00	$-12527.30 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	43000.00	0.00
	0.00	941.00	2218.80	0.00
	0.00	941.00	1014.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.64	61.33	0.92	1.35	507.64

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	2.56	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	2.27	V

### MECCANISMO LOCALE 4 - (Ribaltamento Semplice) (Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	0.0000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	463.80	0.00	-35132.65
	0.00	880.69	0.00	-25855.48
Carico solai	17.50	683.00	0.00	-23824.60
	-19.00	683.00	0.00	-11117.00
	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
Forze inerziali	0.00	463.80	$-35132.65 \cdot \alpha$	0.00
	0.00	880.69	$-25855.48 \cdot \alpha$	0.00
	17.50	683.00	$-23824.60 \cdot \alpha$	0.00
	-19.00	683.00	$-11117.00 \cdot \alpha$	0.00
	8.00	1070.00	$-27040.64 \cdot \alpha$	0.00
	-8.00	1070.00	$-12527.30 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	25.00	522.00	1056.95	0.00



	25.00	522.00	960.86	0.00
	20.00	894.95	1940.97	0.00
	20.00	894.95	1725.31	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	1014.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.11	118.63	0.86	1.35	94.45

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	0.98	NV

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.85	NV

### MECCANISMO LOCALE 4 - (Ribaltamento Semplice) (Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	0.0000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	463.80	0.00	-35132.65
	0.00	880.69	0.00	-25855.48
Carico solai	17.50	683.00	0.00	-23824.60
	-19.00	683.00	0.00	-11117.00
	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
Forze inerziali	0.00	463.80	-35132.65 · α	0.00
	0.00	880.69	-25855.48 · α	0.00
	17.50	683.00	-23824.60 · α	0.00
	-19.00	683.00	-11117.00 · α	0.00
	8.00	1070.00	-27040.64 · α	0.00
	-8.00	1070.00	-12527.30 · α	0.00
Forze di connessione tra pareti ortogonali	-25.00	522.00	1056.95	0.00
	25.00	522.00	37242.81	0.00
	20.00	894.95	66872.41	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	2218.80	0.00
	0.00	894.95	1014.80	0.00



## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.83	118.63	0.86	1.35	706.04

## Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	7.32	V

## Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	6.38	V

**MECCANISMO LOCALE 4 - (Ribaltamento Semplice)**  
 (Posizione cerniera: -25.00 cm, 0.00 cm; Verso di rotazione: Antiorario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	0.000	0.0000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-17860.00
	0.00	463.80	0.00	-35132.65
	0.00	880.69	0.00	-25855.48
<b>Carico solai</b>	17.50	683.00	0.00	-23824.60
	-19.00	683.00	0.00	-11117.00
	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
<b>Forze inerziali</b>	0.00	100.00	-17860.00 · α	0.00
	0.00	463.80	-35132.65 · α	0.00
	0.00	880.69	-25855.48 · α	0.00
	17.50	683.00	-23824.60 · α	0.00
	-19.00	683.00	-11117.00 · α	0.00
	8.00	1070.00	-27040.64 · α	0.00
	-8.00	1070.00	-12527.30 · α	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	133.33	160.75	0.00
	25.00	133.33	133.96	0.00
	25.00	485.53	1571.10	0.00
	25.00	485.53	1428.27	0.00
	20.00	890.74	2044.74	0.00
	20.00	890.74	1817.55	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	1014.80	0.00



## Parametri dell'oscillatore equivalente

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.11	130.74	0.84	1.35	96.32

## Stato limite di danno (SLD)

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.00	NV

## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.87	NV

**MECCANISMO LOCALE 4 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 25.00 cm, 0.00 cm; Verso di rotazione: Orario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	0.000	0.0000	1070.0000	Orario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-17860.00
	0.00	463.80	0.00	-35132.65
	0.00	880.69	0.00	-25855.48
<b>Carico solai</b>	17.50	683.00	0.00	-23824.60
	-19.00	683.00	0.00	-11117.00
	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
<b>Forze inerziali</b>	0.00	100.00	$-17860.00 \cdot \alpha$	0.00
	0.00	463.80	$-35132.65 \cdot \alpha$	0.00
	0.00	880.69	$-25855.48 \cdot \alpha$	0.00
	17.50	683.00	$-23824.60 \cdot \alpha$	0.00
	-19.00	683.00	$-11117.00 \cdot \alpha$	0.00
	8.00	1070.00	$-27040.64 \cdot \alpha$	0.00
	-8.00	1070.00	$-12527.30 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	133.33	160.75	0.00
	25.00	133.33	5192.11	0.00
	-25.00	485.53	1571.10	0.00
	25.00	485.53	55359.42	0.00
	20.00	890.74	70447.66	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	2218.80	0.00
	0.00	890.74	1014.80	0.00



**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.93	130.74	0.84	1.35	806.50

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	8.36	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	7.29	V

**MECCANISMO LOCALE 4 - (Flessione Verticale)**  
(Posizione cerniera: 20.00 cm, 721.70 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
2-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	721.700	20.0000	721.7000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	901.60	0.00	-23147.57
Carico solai	8.00	1070.00	0.00	-27040.64
	-8.00	1070.00	0.00	-12527.30
Forze inerziali	0.00	901.60	-23147.57 · α	0.00
	8.00	1070.00	-27040.64 · α	0.00
	-8.00	1070.00	-12527.30 · α	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.38	97.54	0.62	1.35	442.59

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	4.59	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	4.00	V



**MECCANISMO LOCALE 5 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 683.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	683.000	-7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-7.50	883.11	0.00	-51478.15
Carico solai	3.00	1070.00	0.00	-30096.92
Forze inerziali	-7.50	883.11	-51478.15 · $\alpha$	0.00
	3.00	1070.00	-30096.92 · $\alpha$	0.00
Forze di connessione tra pareti ortogonali	15.00	941.00	1248.07	0.00
	15.00	941.00	1248.07	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	74.79	0.90	1.35	102.90

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.52	NV

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.46	NV

**MECCANISMO LOCALE 5 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 15.00 cm, 683.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
15.000	683.000	-7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	-7.50	883.11	0.00	-51478.15
Carico solai	3.00	1070.00	0.00	-30096.92



<b>Forze inerziali</b>	-7.50	883.11	-51478.15 · $\alpha$	0.00
	3.00	1070.00	-30096.92 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-7.50	941.00	11610.00	0.00
	-7.50	941.00	11610.00	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.34	74.79	0.90	1.35	276.46

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	1.39	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	1.23	V

### MECCANISMO LOCALE 5 - (Ribaltamento Semplice) (Posizione cerniera: -30.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	200.000	-7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-2.50	472.18	0.00	-68977.77
	-7.50	883.11	0.00	-51478.15
<b>Carico solai</b>	19.00	683.00	0.00	-26760.20
	3.00	1070.00	0.00	-30096.92
<b>Forze inerziali</b>	-2.50	472.18	-68977.77 · $\alpha$	0.00
	-7.50	883.11	-51478.15 · $\alpha$	0.00
	19.00	683.00	-26760.20 · $\alpha$	0.00
	3.00	1070.00	-30096.92 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	522.00	1056.95	0.00
	25.00	522.00	1056.95	0.00
	15.00	894.95	1940.97	0.00
	15.00	894.95	1940.97	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.09	151.83	0.84	1.35	81.24

#### Stato limite di danno (SLD)



$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	0.84	NV

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.73	NV

**MECCANISMO LOCALE 5 - (Ribaltamento Semplice)**  
(Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	-7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	-2.50	472.18	0.00	-68977.77
	-7.50	883.11	0.00	-51478.15
<b>Carico solai</b>	19.00	683.00	0.00	-26760.20
	3.00	1070.00	0.00	-30096.92
<b>Forze inerziali</b>	-2.50	472.18	$-68977.77 \cdot \alpha$	0.00
	-7.50	883.11	$-51478.15 \cdot \alpha$	0.00
	19.00	683.00	$-26760.20 \cdot \alpha$	0.00
	3.00	1070.00	$-30096.92 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-2.50	522.00	17710.00	0.00
	-2.50	522.00	17710.00	0.00
	-7.50	894.95	11610.00	0.00
	-7.50	894.95	11610.00	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_{00}$ [cm/sec <sup>2</sup> ]
0.34	151.83	0.84	1.35	296.90

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	3.08	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	2.68	V



**MECCANISMO LOCALE 5 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	-7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	99.78	0.00	-45401.04
	-2.50	472.18	0.00	-68977.77
	-7.50	883.11	0.00	-51478.15
<b>Carico solai</b>	19.00	683.00	0.00	-26760.20
	3.00	1070.00	0.00	-30096.92
<b>Forze inerziali</b>	0.00	99.78	$-45401.04 \cdot \alpha$	0.00
	-2.50	472.18	$-68977.77 \cdot \alpha$	0.00
	-7.50	883.11	$-51478.15 \cdot \alpha$	0.00
	19.00	683.00	$-26760.20 \cdot \alpha$	0.00
	3.00	1070.00	$-30096.92 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	30.00	133.33	160.75	0.00
	30.00	133.33	160.75	0.00
	25.00	485.53	1571.10	0.00
	25.00	485.53	1571.10	0.00
	15.00	890.74	2044.74	0.00
	15.00	890.74	2044.74	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.09	175.38	0.77	1.35	84.37

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	0.87	NV

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.76	NV

**MECCANISMO LOCALE 5 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00



Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	-7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	99.78	0.00	-45401.04
	-2.50	472.18	0.00	-68977.77
	-7.50	883.11	0.00	-51478.15
<b>Carico solai</b>	19.00	683.00	0.00	-26760.20
	3.00	1070.00	0.00	-30096.92
<b>Forze inerziali</b>	0.00	99.78	$-45401.04 \cdot \alpha$	0.00
	-2.50	472.18	$-68977.77 \cdot \alpha$	0.00
	-7.50	883.11	$-51478.15 \cdot \alpha$	0.00
	19.00	683.00	$-26760.20 \cdot \alpha$	0.00
	3.00	1070.00	$-30096.92 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	30.00	133.33	6230.53	0.00
	30.00	133.33	6230.53	0.00
	-2.50	485.53	17710.00	0.00
	-2.50	485.53	17710.00	0.00
	-7.50	890.74	11610.00	0.00
	-7.50	890.74	11610.00	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.35	175.38	0.77	1.35	326.53

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.38	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	2.95	V

**MECCANISMO LOCALE 5 - (Flessione Verticale)**

(Posizione cerniera: 15.00 cm, 837.80 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
3-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
15.000	837.800	15.0000	837.8000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
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<b>Peso muri</b>	-7.50	963.74	0.00	-31591.27
<b>Carico solai</b>	3.00	1070.00	0.00	-30096.92
<b>Forze inerziali</b>	-7.50	963.74	-31591.27 · $\alpha$	0.00
	3.00	1070.00	-30096.92 · $\alpha$	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.19	156.71	0.69	1.35	202.50

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	2.10	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.83	V

### MECCANISMO LOCALE 6 - (Ribaltamento Semplice) (Posizione cerniera: -15.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	683.000	7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	7.50	882.64	-9141.42 · $\alpha$	0.00
	-15.00	1070.00	-25540.22 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	7.50	941.00	2496.15	0.00
	7.50	941.00	2496.15	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	33.37	0.94	1.35	98.20

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.50	NV

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.44	NV



**MECCANISMO LOCALE 6 - (Ribaltamento Semplice)**  
(Posizione cerniera: 30.00 cm, 683.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	683.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	882.64	0.00	-9141.42
Forze inerziali	7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-15.00	1070.00	$-25540.22 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-15.00	941.00	1109.40	0.00
	7.50	941.00	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.10	33.37	0.94	1.35	74.68

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.38	NV

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.33	NV

**MECCANISMO LOCALE 6 - (Ribaltamento Semplice)**  
(Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	2.50	470.89	0.00	-11879.64



	7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	2.50	470.89	-11879.64 · $\alpha$	0.00
	7.50	882.64	-9141.42 · $\alpha$	0.00
	-25.00	683.00	-22708.69 · $\alpha$	0.00
	-15.00	1070.00	-25540.22 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	2.50	522.00	3807.65	0.00
	2.50	522.00	3807.65	0.00
	7.50	894.95	2496.15	0.00
	7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.15	62.32	0.88	1.35	126.36

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.31	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.14	V

**MECCANISMO LOCALE 6 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 30.00 cm, 200.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	200.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	470.89	0.00	-11879.64
	7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	2.50	470.89	-11879.64 · $\alpha$	0.00
	7.50	882.64	-9141.42 · $\alpha$	0.00
	-25.00	683.00	-22708.69 · $\alpha$	0.00
	-15.00	1070.00	-25540.22 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	522.00	960.86	0.00
	-15.00	894.95	1725.31	0.00
	2.50	522.00	3807.65	0.00
	7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.12	62.32	0.88	1.35	96.56



**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.00	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.87	NV

**MECCANISMO LOCALE 6 - (Ribaltamento Semplice)**  
(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	97.77	0.00	-8397.60
	2.50	470.89	0.00	-11879.64
	7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	0.00	97.77	$-8397.60 \cdot \alpha$	0.00
	2.50	470.89	$-11879.64 \cdot \alpha$	0.00
	7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-25.00	683.00	$-22708.69 \cdot \alpha$	0.00
	-15.00	1070.00	$-25540.22 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	0.00	133.33	1720.00	0.00
	0.00	133.33	1720.00	0.00
	2.50	485.53	3807.65	0.00
	2.50	485.53	3807.65	0.00
	7.50	890.74	2496.15	0.00
	7.50	890.74	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.17	67.46	0.85	1.35	142.59

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.48	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.29	V



**MECCANISMO LOCALE 6 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	97.77	0.00	-8397.60
	2.50	470.89	0.00	-11879.64
	7.50	882.64	0.00	-9141.42
<b>Forze inerziali</b>	0.00	97.77	$-8397.60 \cdot \alpha$	0.00
	2.50	470.89	$-11879.64 \cdot \alpha$	0.00
	7.50	882.64	$-9141.42 \cdot \alpha$	0.00
	-25.00	683.00	$-22708.69 \cdot \alpha$	0.00
	-15.00	1070.00	$-25540.22 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	747.66	0.00
	-30.00	133.33	133.96	0.00
	-25.00	485.53	1428.27	0.00
	-15.00	890.74	1817.55	0.00
	2.50	485.53	3807.65	0.00
	7.50	890.74	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	67.46	0.85	1.35	108.41

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.12	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.98	NV

**MECCANISMO LOCALE 6 - (Flessione Verticale)**  
**(Posizione cerniera: -15.00 cm, 721.70 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
5-4	3	-30.00	0.00	-30.00	1070.00



Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	721.700	-15.0000	721.7000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	909.54	0.00	-7962.67
Forze inerziali	7.50	909.54	$-7962.67 \cdot \alpha$	0.00
	-15.00	1070.00	$-25540.22 \cdot \alpha$	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.26	44.55	0.56	1.35	334.56

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.47	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	3.02	V

**MECCANISMO LOCALE 7 - (Ribaltamento Semplice)**  
(Posizione cerniera: -15.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	683.000	7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	876.50	0.00	-26150.36
Forze inerziali	7.50	876.50	$-26150.36 \cdot \alpha$	0.00
	30.00	1070.00	$-14545.52 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	7.50	941.00	2496.15	0.00
	7.50	941.00	2496.15	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.18	36.90	0.89	1.35	143.40

#### Stato limite di danno (SLD)



$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.72	NV

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.64	NV

**MECCANISMO LOCALE 7 - (Ribaltamento Semplice)**  
(Posizione cerniera: 30.00 cm, 683.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	683.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	876.50	0.00	-26150.36
Forze inerziali	7.50	876.50	$-26150.36 \cdot \alpha$	0.00
	30.00	1070.00	$-14545.52 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-15.00	941.00	1109.40	0.00
	7.50	941.00	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.14	36.90	0.89	1.35	116.06

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.59	NV

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.52	NV

**MECCANISMO LOCALE 7 - (Ribaltamento Semplice)**  
(Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00



Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	452.37	0.00	-32116.86
	7.50	876.50	0.00	-26150.36
<b>Forze inerziali</b>	2.50	452.37	$-32116.86 \cdot \alpha$	0.00
	7.50	876.50	$-26150.36 \cdot \alpha$	0.00
	-25.00	683.00	$-12814.38 \cdot \alpha$	0.00
	30.00	1070.00	$-14545.52 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	2.50	522.00	3807.65	0.00
	2.50	522.00	3807.65	0.00
	7.50	894.95	2496.15	0.00
	7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.17	72.55	0.83	1.35	149.92

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.55	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.36	V

**MECCANISMO LOCALE 7 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 30.00 cm, 200.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	200.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	452.37	0.00	-32116.86
	7.50	876.50	0.00	-26150.36
<b>Forze inerziali</b>	2.50	452.37	$-32116.86 \cdot \alpha$	0.00
	7.50	876.50	$-26150.36 \cdot \alpha$	0.00



	-25.00	683.00	-12814.38 · $\alpha$	0.00
	30.00	1070.00	-14545.52 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	522.00	960.86	0.00
	-15.00	894.95	1725.31	0.00
	2.50	522.00	3807.65	0.00
	7.50	894.95	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	72.55	0.83	1.35	116.36

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.21	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.05	V

**MECCANISMO LOCALE 7 - (Ribaltamento Semplice)**  
(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-17839.20
	2.50	452.37	0.00	-32116.86
	7.50	876.50	0.00	-26150.36
<b>Forze inerziali</b>	0.00	100.00	-17839.20 · $\alpha$	0.00
	2.50	452.37	-32116.86 · $\alpha$	0.00
	7.50	876.50	-26150.36 · $\alpha$	0.00
	-25.00	683.00	-12814.38 · $\alpha$	0.00
	30.00	1070.00	-14545.52 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	0.00	133.33	1720.00	0.00
	0.00	133.33	1720.00	0.00
	2.50	485.53	3807.65	0.00
	2.50	485.53	3807.65	0.00
	7.50	890.74	2496.15	0.00
	7.50	890.74	2496.15	0.00

**Parametri dell'oscillatore equivalente**



$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.18	83.25	0.79	1.35	161.71

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.68	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.46	V

**MECCANISMO LOCALE 7 - (Ribaltamento Semplice)**  
(Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-17839.20
	2.50	452.37	0.00	-32116.86
	7.50	876.50	0.00	-26150.36
<b>Forze inerziali</b>	0.00	100.00	-17839.20 · $\alpha$	0.00
	2.50	452.37	-32116.86 · $\alpha$	0.00
	7.50	876.50	-26150.36 · $\alpha$	0.00
	-25.00	683.00	-12814.38 · $\alpha$	0.00
	30.00	1070.00	-14545.52 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	133.96	0.00
	-30.00	133.33	747.66	0.00
	-25.00	485.53	1428.27	0.00
	-15.00	890.74	1817.55	0.00
	2.50	485.53	3807.65	0.00
	7.50	890.74	2496.15	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	83.25	0.79	1.35	123.27

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.28	V

**Stato limite di salvaguardia della vita (SLV)**



$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.11	V

**MECCANISMO LOCALE 7 - (Flessione Verticale)**  
(Posizione cerniera: -15.00 cm, 1031.30 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
6-5	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	1031.300	-15.0000	1031.3000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	1050.65	0.00	-2615.03
Forze inerziali	7.50	1050.65	$-2615.03 \cdot \alpha$	0.00
	30.00	1070.00	$-14545.52 \cdot \alpha$	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.21	72.13	0.68	1.35	226.82

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	2.35	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	2.05	V

**MECCANISMO LOCALE 8 - (Ribaltamento Semplice)**  
(Posizione cerniera: -20.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-20.000	683.000	0.0000	1070.0000	Antiorario

**Azioni Esterne**



Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	880.72	0.00	-25638.76
Carico solai	8.00	1070.00	0.00	-26825.06
	-8.00	1070.00	0.00	-12427.43
Forze inerziali	0.00	880.72	-25638.76 · $\alpha$	0.00
	8.00	1070.00	-26825.06 · $\alpha$	0.00
	-8.00	1070.00	-12427.43 · $\alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	1248.07	0.00
	20.00	941.00	1109.40	0.00
	0.00	941.00	1186.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.11	60.83	0.92	1.35	90.77

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.46	NV

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.41	NV

### MECCANISMO LOCALE 8 - (Ribaltamento Semplice) (Posizione cerniera: 20.00 cm, 683.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	683.000	0.0000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	880.72	0.00	-25638.76
Carico solai	8.00	1070.00	0.00	-26825.06
	-8.00	1070.00	0.00	-12427.43
Forze inerziali	0.00	880.72	-25638.76 · $\alpha$	0.00
	8.00	1070.00	-26825.06 · $\alpha$	0.00
	-8.00	1070.00	-12427.43 · $\alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	43000.00	0.00
	0.00	941.00	1186.80	0.00
	0.00	941.00	2218.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
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0.65	60.83	0.92	1.35	513.07
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**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	2.59	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	2.29	V

**MECCANISMO LOCALE 8 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	0.0000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	464.02	0.00	-34794.54
	0.00	880.72	0.00	-25638.76
<b>Carico solai</b>	17.50	683.00	0.00	-23632.47
	-19.00	683.00	0.00	-11027.34
	8.00	1070.00	0.00	-26825.06
	-8.00	1070.00	0.00	-12427.43
<b>Forze inerziali</b>	0.00	464.02	$-34794.54 \cdot \alpha$	0.00
	0.00	880.72	$-25638.76 \cdot \alpha$	0.00
	17.50	683.00	$-23632.47 \cdot \alpha$	0.00
	-19.00	683.00	$-11027.34 \cdot \alpha$	0.00
	8.00	1070.00	$-26825.06 \cdot \alpha$	0.00
	-8.00	1070.00	$-12427.43 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	522.00	1056.95	0.00
	25.00	522.00	960.86	0.00
	20.00	894.95	1940.97	0.00
	20.00	894.95	1725.31	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	1186.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.11	117.65	0.86	1.35	96.17

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
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80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.00	NV
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**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.87	NV

**MECCANISMO LOCALE 8 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	0.0000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	464.02	0.00	-34794.54
	0.00	880.72	0.00	-25638.76
<b>Carico solai</b>	17.50	683.00	0.00	-23632.47
	-19.00	683.00	0.00	-11027.34
	8.00	1070.00	0.00	-26825.06
	-8.00	1070.00	0.00	-12427.43
<b>Forze inerziali</b>	0.00	464.02	$-34794.54 \cdot \alpha$	0.00
	0.00	880.72	$-25638.76 \cdot \alpha$	0.00
	17.50	683.00	$-23632.47 \cdot \alpha$	0.00
	-19.00	683.00	$-11027.34 \cdot \alpha$	0.00
	8.00	1070.00	$-26825.06 \cdot \alpha$	0.00
	-8.00	1070.00	$-12427.43 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	522.00	1056.95	0.00
	25.00	522.00	37242.81	0.00
	20.00	894.95	66872.41	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	1186.80	0.00
	0.00	894.95	2218.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	$a^*_{\theta}$ [cm/sec <sup>2</sup> ]
0.84	117.65	0.86	1.35	712.72

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	7.39	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
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184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	6.44	V
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**MECCANISMO LOCALE 8 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -25.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	0.000	0.0000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-17720.00
	0.00	464.02	0.00	-34794.54
	0.00	880.72	0.00	-25638.76
<b>Carico solai</b>	17.50	683.00	0.00	-23632.47
	-19.00	683.00	0.00	-11027.34
	8.00	1070.00	0.00	-26825.06
	-8.00	1070.00	0.00	-12427.43
<b>Forze inerziali</b>	0.00	100.00	$-17720.00 \cdot \alpha$	0.00
	0.00	464.02	$-34794.54 \cdot \alpha$	0.00
	0.00	880.72	$-25638.76 \cdot \alpha$	0.00
	17.50	683.00	$-23632.47 \cdot \alpha$	0.00
	-19.00	683.00	$-11027.34 \cdot \alpha$	0.00
	8.00	1070.00	$-26825.06 \cdot \alpha$	0.00
	-8.00	1070.00	$-12427.43 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	133.33	160.75	0.00
	25.00	133.33	133.96	0.00
	25.00	485.53	1571.10	0.00
	25.00	485.53	1428.27	0.00
	20.00	890.74	2044.74	0.00
	20.00	890.74	1817.55	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	1186.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.11	129.65	0.84	1.35	98.08

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.02	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.89	NV



**MECCANISMO LOCALE 8 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 25.00 cm, 0.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	0.000	0.0000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	100.00	0.00	-17720.00
	0.00	464.02	0.00	-34794.54
	0.00	880.72	0.00	-25638.76
Carico solai	17.50	683.00	0.00	-23632.47
	-19.00	683.00	0.00	-11027.34
	8.00	1070.00	0.00	-26825.06
Forze inerziali	-8.00	1070.00	0.00	-12427.43
	0.00	100.00	-17720.00 · $\alpha$	0.00
	0.00	464.02	-34794.54 · $\alpha$	0.00
	0.00	880.72	-25638.76 · $\alpha$	0.00
	17.50	683.00	-23632.47 · $\alpha$	0.00
	-19.00	683.00	-11027.34 · $\alpha$	0.00
	8.00	1070.00	-26825.06 · $\alpha$	0.00
	-8.00	1070.00	-12427.43 · $\alpha$	0.00
Forze di connessione tra pareti ortogonali	-25.00	133.33	160.75	0.00
	25.00	133.33	5192.11	0.00
	-25.00	485.53	1571.10	0.00
	25.00	485.53	55359.42	0.00
	20.00	890.74	70447.66	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	1186.80	0.00
	0.00	890.74	2218.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.94	129.65	0.84	1.35	814.18

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	8.44	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	7.36	V



**MECCANISMO LOCALE 8 - (Flessione Verticale)**  
(Posizione cerniera: 20.00 cm, 721.70 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
10-5	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	721.700	20.0000	721.7000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	901.65	0.00	-22952.52
Carico solai	8.00	1070.00	0.00	-26825.06
	-8.00	1070.00	0.00	-12427.43
Forze inerziali	0.00	901.65	$-22952.52 \cdot \alpha$	0.00
	8.00	1070.00	$-26825.06 \cdot \alpha$	0.00
	-8.00	1070.00	$-12427.43 \cdot \alpha$	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.38	96.69	0.62	1.35	446.94

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	4.63	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	4.04	V

**MECCANISMO LOCALE 9 - (Ribaltamento Semplice)**  
(Posizione cerniera: -15.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	683.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**



Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	884.96	0.00	-17904.60
Carico solai	-3.00	1070.00	0.00	-26825.05
Forze inerziali	7.50	884.96	$-17904.60 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	7.50	941.00	11610.00	0.00
	7.50	941.00	11610.00	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.48	42.08	0.92	1.35	377.74

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	1.90	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	1.69	V

### MECCANISMO LOCALE 9 - (Ribaltamento Semplice)

(Posizione cerniera: 30.00 cm, 683.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	683.000	7.5000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	884.96	0.00	-17904.60
Carico solai	-3.00	1070.00	0.00	-26825.05
Forze inerziali	7.50	884.96	$-17904.60 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-15.00	941.00	1248.07	0.00
	-15.00	941.00	1109.40	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.14	42.08	0.92	1.35	106.66

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.54	NV



## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.48	NV

**MECCANISMO LOCALE 9 - (Ribaltamento Semplice)**  
 (Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	7.5000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	2.50	483.93	0.00	-22215.15
	7.50	884.96	0.00	-17904.60
Carico solai	-17.50	683.00	0.00	-23632.46
	-3.00	1070.00	0.00	-26825.05
Forze inerziali	2.50	483.93	$-22215.15 \cdot \alpha$	0.00
	7.50	884.96	$-17904.60 \cdot \alpha$	0.00
	-17.50	683.00	$-23632.46 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	2.50	522.00	9643.33	0.00
	2.50	522.00	17710.00	0.00
	7.50	894.95	11610.00	0.00
	7.50	894.95	11610.00	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.50	80.53	0.87	1.35	420.38

## Stato limite di danno (SLD)

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	4.36	V

## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ez}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	3.80	V

**MECCANISMO LOCALE 9 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 30.00 cm, 200.00 cm; Verso di rotazione: Orario)

## Dati Generali



Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	200.000	7.5000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	2.50	483.93	0.00	-22215.15
	7.50	884.96	0.00	-17904.60
Carico solai	-17.50	683.00	0.00	-23632.46
	-3.00	1070.00	0.00	-26825.05
Forze inerziali	2.50	483.93	$-22215.15 \cdot \alpha$	0.00
	7.50	884.96	$-17904.60 \cdot \alpha$	0.00
	-17.50	683.00	$-23632.46 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-25.00	522.00	1056.95	0.00
	-25.00	522.00	960.86	0.00
	-15.00	894.95	1940.97	0.00
	-15.00	894.95	1725.31	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.12	80.53	0.87	1.35	97.17

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.01	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.88	NV

**MECCANISMO LOCALE 9 - (Ribaltamento Semplice)**  
(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
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<b>Peso muri</b>	0.00	97.24	0.00	-18327.60
	2.50	483.93	0.00	-22215.15
	7.50	884.96	0.00	-17904.60
<b>Carico solai</b>	-17.50	683.00	0.00	-23632.46
	-3.00	1070.00	0.00	-26825.05
<b>Forze inerziali</b>	0.00	97.24	$-18327.60 \cdot \alpha$	0.00
	2.50	483.93	$-22215.15 \cdot \alpha$	0.00
	7.50	884.96	$-17904.60 \cdot \alpha$	0.00
	-17.50	683.00	$-23632.46 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	6230.53	0.00
	-30.00	133.33	5192.11	0.00
	2.50	485.53	9643.33	0.00
	2.50	485.53	17710.00	0.00
	7.50	890.74	11610.00	0.00
	7.50	890.74	11610.00	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.53	89.43	0.81	1.35	473.66

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	4.91	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	4.28	V

### MECCANISMO LOCALE 9 - (Ribaltamento Semplice)

(Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	7.5000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	97.24	0.00	-18327.60
	2.50	483.93	0.00	-22215.15
	7.50	884.96	0.00	-17904.60
<b>Carico solai</b>	-17.50	683.00	0.00	-23632.46
	-3.00	1070.00	0.00	-26825.05
<b>Forze inerziali</b>	0.00	97.24	$-18327.60 \cdot \alpha$	0.00
	2.50	483.93	$-22215.15 \cdot \alpha$	0.00



	7.50	884.96	$-17904.60 \cdot \alpha$	0.00
	-17.50	683.00	$-23632.46 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	160.75	0.00
	-30.00	133.33	133.96	0.00
	-25.00	485.53	1571.10	0.00
	-25.00	485.53	1428.27	0.00
	-15.00	890.74	2044.74	0.00
	-15.00	890.74	1817.55	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.12	89.43	0.81	1.35	104.80

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.09	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	0.95	NV

**MECCANISMO LOCALE 9 - (Flessione Verticale)**  
**(Posizione cerniera: -15.00 cm, 721.70 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-6	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	721.700	-15.0000	721.7000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	7.50	914.96	0.00	-15399.72
<b>Carico solai</b>	-3.00	1070.00	0.00	-26825.05
<b>Forze inerziali</b>	7.50	914.96	$-15399.72 \cdot \alpha$	0.00
	-3.00	1070.00	$-26825.05 \cdot \alpha$	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.26	66.40	0.60	1.35	315.24

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.27	V



## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	2.85	V

**MECCANISMO LOCALE 10 - (Ribaltamento Semplice)**  
 (Posizione cerniera: -15.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	683.000	7.5000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	7.50	882.87	0.00	-7929.48
Carico solai	-3.00	1070.00	0.00	-11099.60
Forze inerziali	7.50	882.87	$-7929.48 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	7.50	941.00	11610.00	0.00
	7.50	941.00	11610.00	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
1.07	17.82	0.92	1.35	847.88

## Stato limite di danno (SLD)

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	4.27	V

## Stato limite di salvaguardia della vita (SLV)

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	3.78	V

**MECCANISMO LOCALE 10 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 30.00 cm, 683.00 cm; Verso di rotazione: Orario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	



30.000	683.000	7.5000	1070.0000	Orario
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#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	7.50	882.87	0.00	-7929.48
<b>Carico solai</b>	-3.00	1070.00	0.00	-11099.60
<b>Forze inerziali</b>	7.50	882.87	$-7929.48 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-15.00	941.00	1109.40	0.00
	-15.00	941.00	1109.40	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.19	17.82	0.92	1.35	150.29

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.76	NV

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.67	NV

### MECCANISMO LOCALE 10 - (Ribaltamento Semplice) (Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	7.5000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	482.22	0.00	-11673.41
	7.50	882.87	0.00	-7929.48
<b>Carico solai</b>	-3.00	1070.00	0.00	-11099.60
<b>Forze inerziali</b>	2.50	482.22	$-11673.41 \cdot \alpha$	0.00
	7.50	882.87	$-7929.48 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	2.50	522.00	17710.00	0.00
	2.50	522.00	9643.33	0.00
	7.50	894.95	11610.00	0.00
	7.50	894.95	11610.00	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
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1.40	26.40	0.84	1.35	1208.54
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**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	12.52	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	10.93	V

**MECCANISMO LOCALE 10 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 30.00 cm, 200.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	200.000	7.5000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	2.50	482.22	0.00	-11673.41
	7.50	882.87	0.00	-7929.48
<b>Carico solai</b>	-3.00	1070.00	0.00	-11099.60
<b>Forze inerziali</b>	2.50	482.22	$-11673.41 \cdot \alpha$	0.00
	7.50	882.87	$-7929.48 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	522.00	960.86	0.00
	-25.00	522.00	960.86	0.00
	-15.00	894.95	1725.31	0.00
	-15.00	894.95	1725.31	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.21	26.40	0.84	1.35	182.10

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.89	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.65	V



**MECCANISMO LOCALE 10 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -30.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-30.000	0.000	7.5000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	83.36	0.00	-5840.64
	2.50	482.22	0.00	-11673.41
	7.50	882.87	0.00	-7929.48
<b>Carico solai</b>	-3.00	1070.00	0.00	-11099.60
<b>Forze inerziali</b>	0.00	83.36	$-5840.64 \cdot \alpha$	0.00
	2.50	482.22	$-11673.41 \cdot \alpha$	0.00
	7.50	882.87	$-7929.48 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	5192.11	0.00
	-30.00	133.33	5192.11	0.00
	2.50	485.53	17710.00	0.00
	2.50	485.53	9643.33	0.00
	7.50	890.74	11610.00	0.00
	7.50	890.74	11610.00	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
1.46	29.43	0.79	1.35	1343.13

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	13.92	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	12.14	V

**MECCANISMO LOCALE 10 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 30.00 cm, 0.00 cm; Verso di rotazione: Orario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
30.000	0.000	7.5000	1070.0000	Orario



### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	83.36	0.00	-5840.64
	2.50	482.22	0.00	-11673.41
	7.50	882.87	0.00	-7929.48
<b>Carico solai</b>	-3.00	1070.00	0.00	-11099.60
<b>Forze inerziali</b>	0.00	83.36	$-5840.64 \cdot \alpha$	0.00
	2.50	482.22	$-11673.41 \cdot \alpha$	0.00
	7.50	882.87	$-7929.48 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-30.00	133.33	133.96	0.00
	-30.00	133.33	133.96	0.00
	-25.00	485.53	1428.27	0.00
	-25.00	485.53	1428.27	0.00
	-15.00	890.74	1817.55	0.00
	-15.00	890.74	1817.55	0.00

### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.23	29.43	0.79	1.35	209.80

### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	2.17	V

### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.90	V

## MECCANISMO LOCALE 10 - (Flessione Verticale)

(Posizione cerniera: -15.00 cm, 799.10 cm; Verso di rotazione: Orario)

### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-7	3	-30.00	0.00	-30.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-15.000	799.100	-15.0000	799.1000	Orario

### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	7.50	947.56	0.00	-5516.62
<b>Carico solai</b>	-3.00	1070.00	0.00	-11099.60
<b>Forze inerziali</b>	7.50	947.56	$-5516.62 \cdot \alpha$	0.00
	-3.00	1070.00	$-11099.60 \cdot \alpha$	0.00

### Parametri dell'oscillatore equivalente



$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.58	20.84	0.56	1.35	749.64

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	7.77	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	6.78	V

**MECCANISMO LOCALE 11 - (Ribaltamento Semplice)**  
(Posizione cerniera: -20.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-20.000	683.000	0.0000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	881.30	0.00	-21819.17
Forze inerziali	0.00	881.30	-21819.17 · $\alpha$	0.00
	20.00	1070.00	-14545.52 · $\alpha$	0.00
	20.00	1070.00	-3528.53 · $\alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	1109.40	0.00
	-20.00	941.00	83446.88	0.00
	-20.00	941.00	43000.00	0.00
	0.00	941.00	2218.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
3.00	36.67	0.90	1.35	2414.56

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	12.17	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	10.78	V

**MECCANISMO LOCALE 11 - (Ribaltamento Semplice)**  
(Posizione cerniera: 20.00 cm, 683.00 cm; Verso di rotazione: Orario)



### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	683.000	0.0000	1070.0000	Orario

### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	881.30	0.00	-21819.17
Forze inerziali	0.00	881.30	$-21819.17 \cdot \alpha$	0.00
	20.00	1070.00	$-14545.52 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-20.00	941.00	5805.00	0.00
	-20.00	941.00	1109.40	0.00
	0.00	941.00	2218.80	0.00
	0.00	941.00	2218.80	0.00

### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.30	36.67	0.90	1.35	239.56

### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	1.21	V

### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	1.07	V

**MECCANISMO LOCALE 11 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)**

### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	0.0000	1070.0000	Antiorario

### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	451.43	0.00	-33492.14
	0.00	881.30	0.00	-21819.17



Forze inerziali	0.00	451.43	$-33492.14 \cdot \alpha$	0.00
	0.00	881.30	$-21819.17 \cdot \alpha$	0.00
	-25.00	683.00	$-12814.38 \cdot \alpha$	0.00
	20.00	1070.00	$-14545.52 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	25.00	522.00	960.86	0.00
	-25.00	522.00	70668.24	0.00
	-25.00	522.00	37242.81	0.00
	20.00	894.95	1725.31	0.00
	-20.00	894.95	129774.27	0.00
	-20.00	894.95	66872.41	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	2218.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
3.91	72.06	0.82	1.35	3469.16

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	35.95	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	31.36	V

### MECCANISMO LOCALE 11 - (Ribaltamento Semplice) (Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	0.0000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	451.43	0.00	-33492.14
	0.00	881.30	0.00	-21819.17
Forze inerziali	0.00	451.43	$-33492.14 \cdot \alpha$	0.00
	0.00	881.30	$-21819.17 \cdot \alpha$	0.00
	-25.00	683.00	$-12814.38 \cdot \alpha$	0.00
	20.00	1070.00	$-14545.52 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-25.00	522.00	4916.05	0.00
	-25.00	522.00	960.86	0.00



	-20.00	894.95	9027.78	0.00
	-20.00	894.95	1725.31	0.00
	0.00	522.00	3461.50	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	2218.80	0.00
	0.00	894.95	2218.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.36	72.06	0.82	1.35	314.87

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	3.26	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	2.85	V

**MECCANISMO LOCALE 11 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -25.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	0.000	0.0000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-14866.00
	0.00	451.43	0.00	-33492.14
	0.00	881.30	0.00	-21819.17
<b>Forze inerziali</b>	0.00	100.00	-14866.00 · α	0.00
	0.00	451.43	-33492.14 · α	0.00
	0.00	881.30	-21819.17 · α	0.00
	-25.00	683.00	-12814.38 · α	0.00
	20.00	1070.00	-14545.52 · α	0.00
	20.00	1070.00	-3528.53 · α	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	133.33	133.96	0.00
	25.00	133.33	747.66	0.00
	-25.00	133.33	10747.66	0.00
	-25.00	133.33	5192.11	0.00
	25.00	485.53	1428.27	0.00
	-25.00	485.53	105044.51	0.00
	-25.00	485.53	55359.42	0.00
	20.00	890.74	1817.55	0.00
	-20.00	890.74	136712.48	0.00
	-20.00	890.74	70447.66	0.00



	0.00	485.53	3461.50	0.00
	0.00	890.74	2218.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
4.26	82.37	0.80	1.35	3872.20

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	40.13	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	35.01	V

### MECCANISMO LOCALE 11 - (Ribaltamento Semplice) (Posizione cerniera: 25.00 cm, 0.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	0.000	0.0000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-14866.00
	0.00	451.43	0.00	-33492.14
	0.00	881.30	0.00	-21819.17
<b>Forze inerziali</b>	0.00	100.00	-14866.00 · $\alpha$	0.00
	0.00	451.43	-33492.14 · $\alpha$	0.00
	0.00	881.30	-21819.17 · $\alpha$	0.00
	-25.00	683.00	-12814.38 · $\alpha$	0.00
	20.00	1070.00	-14545.52 · $\alpha$	0.00
	20.00	1070.00	-3528.53 · $\alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	133.33	747.66	0.00
	-25.00	133.33	133.96	0.00
	-25.00	485.53	7307.44	0.00
	-25.00	485.53	1428.27	0.00
	-20.00	890.74	9510.43	0.00
	-20.00	890.74	1817.55	0.00
	0.00	133.33	1433.33	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	2218.80	0.00
	0.00	890.74	2218.80	0.00

#### Parametri dell'oscillatore equivalente



$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.37	82.37	0.80	1.35	339.77

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.52	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	3.07	V

**MECCANISMO LOCALE 11 - (Flessione Verticale)**  
(Posizione cerniera: -20.00 cm, 1031.30 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
7-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-20.000	1031.300	-20.0000	1031.3000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	1050.65	0.00	-2324.47
Forze inerziali	0.00	1050.65	-2324.47 · α	0.00
	20.00	1070.00	-14545.52 · α	0.00
	20.00	1070.00	-3528.53 · α	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.75	68.44	0.66	1.35	816.89

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	8.47	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	7.39	V

**MECCANISMO LOCALE 12 - (Ribaltamento Semplice)**  
(Posizione cerniera: -20.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

**Dati Generali**



Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-20.000	683.000	0.0000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	883.32	0.00	-21581.57
Forze inerziali	0.00	883.32	$-21581.57 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
	-20.00	1070.00	$-14713.50 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	5805.00	0.00
	20.00	941.00	1109.40	0.00
	0.00	941.00	2218.80	0.00
	0.00	941.00	2218.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.30	36.72	0.90	1.35	237.14

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	1.20	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ex</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	1.06	V

**MECCANISMO LOCALE 12 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 20.00 cm, 683.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	683.000	0.0000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	883.32	0.00	-21581.57
Forze inerziali	0.00	883.32	$-21581.57 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
	-20.00	1070.00	$-14713.50 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-20.00	941.00	1109.40	0.00



	20.00	941.00	83446.88	0.00
	20.00	941.00	43000.00	0.00
	0.00	941.00	2218.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
2.98	36.72	0.90	1.35	2393.26

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	12.06	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	10.68	V

### MECCANISMO LOCALE 12 - (Ribaltamento Semplice) (Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	0.0000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	441.50	0.00	-36022.14
	0.00	883.32	0.00	-21581.57
Forze inerziali	0.00	441.50	-36022.14 · α	0.00
	0.00	883.32	-21581.57 · α	0.00
	-25.00	683.00	-12963.57 · α	0.00
	20.00	1070.00	-3528.53 · α	0.00
	-20.00	1070.00	-14713.50 · α	0.00
Forze di connessione tra pareti ortogonali	25.00	522.00	4916.05	0.00
	25.00	522.00	960.86	0.00
	20.00	894.95	9027.78	0.00
	20.00	894.95	1725.31	0.00
	0.00	522.00	3461.50	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	2218.80	0.00
	0.00	894.95	2218.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.35	73.03	0.81	1.35	318.57

#### Stato limite di danno (SLD)



$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	3.30	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	2.88	V

**MECCANISMO LOCALE 12 - (Ribaltamento Semplice)**  
 (Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	0.0000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	441.50	0.00	-36022.14
	0.00	883.32	0.00	-21581.57
<b>Forze inerziali</b>	0.00	441.50	$-36022.14 \cdot \alpha$	0.00
	0.00	883.32	$-21581.57 \cdot \alpha$	0.00
	-25.00	683.00	$-12963.57 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
	-20.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	522.00	960.86	0.00
	25.00	522.00	70668.24	0.00
	25.00	522.00	37242.81	0.00
	-20.00	894.95	1725.31	0.00
	20.00	894.95	129774.27	0.00
	20.00	894.95	66872.41	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	2218.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
3.88	73.03	0.81	1.35	3498.50

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z)$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	36.26	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	$T_1$ [sec]	$S_e(T_1)$ [cm/sec <sup>2</sup> ]	$\psi(Z)$	$\gamma$	$S_{ex}(0, \xi, z) / q$ [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	31.63	V



**MECCANISMO LOCALE 12 - (Ribaltamento Semplice)**  
**(Posizione cerniera: -25.00 cm, 0.00 cm; Verso di rotazione: Antiorario)**

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	0.000	0.0000	1070.0000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-14866.00
	0.00	441.50	0.00	-36022.14
	0.00	883.32	0.00	-21581.57
<b>Forze inerziali</b>	0.00	100.00	$-14866.00 \cdot \alpha$	0.00
	0.00	441.50	$-36022.14 \cdot \alpha$	0.00
	0.00	883.32	$-21581.57 \cdot \alpha$	0.00
	-25.00	683.00	$-12963.57 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
	-20.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	133.33	747.66	0.00
	25.00	133.33	133.96	0.00
	25.00	485.53	7307.44	0.00
	25.00	485.53	1428.27	0.00
	20.00	890.74	9510.43	0.00
	20.00	890.74	1817.55	0.00
	0.00	133.33	1433.33	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	2218.80	0.00
	0.00	890.74	2218.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.37	84.13	0.80	1.35	337.35

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	3.50	V

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	3.05	V



### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	0.000	0.0000	1070.0000	Orario

### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-14866.00
	0.00	441.50	0.00	-36022.14
	0.00	883.32	0.00	-21581.57
<b>Forze inerziali</b>	0.00	100.00	$-14866.00 \cdot \alpha$	0.00
	0.00	441.50	$-36022.14 \cdot \alpha$	0.00
	0.00	883.32	$-21581.57 \cdot \alpha$	0.00
	-25.00	683.00	$-12963.57 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
	-20.00	1070.00	$-14713.50 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	-25.00	133.33	747.66	0.00
	-25.00	133.33	133.96	0.00
	25.00	133.33	10747.66	0.00
	25.00	133.33	5192.11	0.00
	-25.00	485.53	1428.27	0.00
	25.00	485.53	105044.51	0.00
	25.00	485.53	55359.42	0.00
	-20.00	890.74	1817.55	0.00
	20.00	890.74	136712.48	0.00
	20.00	890.74	70447.66	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	2218.80	0.00

### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
4.20	84.13	0.80	1.35	3836.19

### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	39.76	V

### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	34.68	V

**MECCANISMO LOCALE 12 - (Flessione Verticale)**  
**(Posizione cerniera: 20.00 cm, 1031.30 cm; Verso di rotazione: Antiorario)**

### Dati Generali



Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
8-9	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	1031.300	20.0000	1031.3000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	1050.65	0.00	-2324.47
Forze inerziali	0.00	1050.65	$-2324.47 \cdot \alpha$	0.00
	20.00	1070.00	$-3528.53 \cdot \alpha$	0.00
	-20.00	1070.00	$-14713.50 \cdot \alpha$	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.74	70.33	0.67	1.35	803.51

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	8.33	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	7.26	V

**MECCANISMO LOCALE 13 - (Ribaltamento Semplice)**  
(Posizione cerniera: -20.00 cm, 683.00 cm; Verso di rotazione: Antiorario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-20.000	683.000	0.0000	1070.0000	Antiorario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	893.08	0.00	-8517.99
Carico solai	8.00	1070.00	0.00	-11099.60
	-8.00	1070.00	0.00	-5142.18
Forze inerziali	0.00	893.08	$-8517.99 \cdot \alpha$	0.00
	8.00	1070.00	$-11099.60 \cdot \alpha$	0.00
	-8.00	1070.00	$-5142.18 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	20.00	941.00	1109.40	0.00
	0.00	941.00	1014.80	0.00

#### Parametri dell'oscillatore equivalente



$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.14	23.68	0.94	1.35	104.65

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.53	NV

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.47	NV

**MECCANISMO LOCALE 13 - (Ribaltamento Semplice)**  
(Posizione cerniera: 20.00 cm, 683.00 cm; Verso di rotazione: Orario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	683.000	0.0000	1070.0000	Orario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	893.08	0.00	-8517.99
Carico solai	8.00	1070.00	0.00	-11099.60
	-8.00	1070.00	0.00	-5142.18
Forze inerziali	0.00	893.08	-8517.99 · α	0.00
	8.00	1070.00	-11099.60 · α	0.00
	-8.00	1070.00	-5142.18 · α	0.00
Forze di connessione tra pareti ortogonali	0.00	941.00	1014.80	0.00
	0.00	941.00	1186.80	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	23.68	0.94	1.35	97.42

**Stato limite di danno (SLD)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.64	1.29	198.37	198.37	0.49	NV

**Stato limite di salvaguardia della vita (SLV)**

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	224.04	0.30	545.98	0.64	1.29	110.61	224.04	0.43	NV

**MECCANISMO LOCALE 13 - (Ribaltamento Semplice)**  
(Posizione cerniera: -25.00 cm, 200.00 cm; Verso di rotazione: Antiorario)



### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	200.000	0.0000	1070.0000	Antiorario

### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	470.21	0.00	-14187.32
	0.00	893.08	0.00	-8517.99
<b>Carico solai</b>	-19.00	683.00	0.00	-4615.85
	8.00	1070.00	0.00	-11099.60
	-8.00	1070.00	0.00	-5142.18
<b>Forze inerziali</b>	0.00	470.21	$-14187.32 \cdot \alpha$	0.00
	0.00	893.08	$-8517.99 \cdot \alpha$	0.00
	-19.00	683.00	$-4615.85 \cdot \alpha$	0.00
	8.00	1070.00	$-11099.60 \cdot \alpha$	0.00
	-8.00	1070.00	$-5142.18 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	522.00	960.86	0.00
	25.00	522.00	960.86	0.00
	0.00	894.95	1014.80	0.00
	0.00	894.95	1186.80	0.00

### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.12	37.55	0.85	1.35	105.31

### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.09	V

### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	0.95	NV

**MECCANISMO LOCALE 13 - (Ribaltamento Semplice)**  
**(Posizione cerniera: 25.00 cm, 200.00 cm; Verso di rotazione: Orario)**

### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	200.000	0.0000	1070.0000	Orario



## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	470.21	0.00	-14187.32
	0.00	893.08	0.00	-8517.99
Carico solai	-19.00	683.00	0.00	-4615.85
	8.00	1070.00	0.00	-11099.60
Forze inerziali	-8.00	1070.00	0.00	-5142.18
	0.00	470.21	$-14187.32 \cdot \alpha$	0.00
	0.00	893.08	$-8517.99 \cdot \alpha$	0.00
	-19.00	683.00	$-4615.85 \cdot \alpha$	0.00
	8.00	1070.00	$-11099.60 \cdot \alpha$	0.00
Forze di connessione tra pareti ortogonali	-8.00	1070.00	$-5142.18 \cdot \alpha$	0.00
	0.00	522.00	3461.50	0.00
	0.00	522.00	3461.50	0.00
	0.00	894.95	1014.80	0.00
	0.00	894.95	1186.80	0.00

## Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.19	37.55	0.85	1.35	160.98

## Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
80.41	1.20	96.49	0.30	241.71	0.19	1.29	58.09	96.49	1.67	V

## Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	T <sub>1</sub> [sec]	S <sub>e</sub> (T <sub>1</sub> ) [cm/sec <sup>2</sup> ]	ψ(Z)	γ	S <sub>ez</sub> (0,ξ,z) / q [cm/sec <sup>2</sup> ]	Accelerazione di progetto	s	Esito
184.35	1.20	2.00	65.60	0.30	545.98	0.19	1.29	110.61	110.61	1.46	V

**MECCANISMO LOCALE 13 - (Ribaltamento Semplice)**  
 (Posizione cerniera: -25.00 cm, 0.00 cm; Verso di rotazione: Antiorario)

## Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
-25.000	0.000	0.0000	1070.0000	Antiorario

## Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
Peso muri	0.00	100.00	0.00	-7208.00
	0.00	470.21	0.00	-14187.32
Carico solai	0.00	893.08	0.00	-8517.99
	-19.00	683.00	0.00	-4615.85
Forze inerziali	8.00	1070.00	0.00	-11099.60
	-8.00	1070.00	0.00	-5142.18
	0.00	100.00	$-7208.00 \cdot \alpha$	0.00
	0.00	470.21	$-14187.32 \cdot \alpha$	0.00
	0.00	893.08	$-8517.99 \cdot \alpha$	0.00



	-19.00	683.00	$-4615.85 \cdot \alpha$	0.00
	8.00	1070.00	$-11099.60 \cdot \alpha$	0.00
	-8.00	1070.00	$-5142.18 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	25.00	133.33	133.96	0.00
	25.00	133.33	133.96	0.00
	25.00	485.53	1428.27	0.00
	25.00	485.53	1428.27	0.00
	0.00	890.74	1014.80	0.00
	0.00	890.74	1186.80	0.00

#### Parametri dell'oscillatore equivalente

$\alpha_0$	M* [daNm]	e*	FC	a* <sub>0</sub> [cm/sec <sup>2</sup> ]
0.13	41.86	0.81	1.35	116.63

#### Stato limite di danno (SLD)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	a <sub>g</sub> · S [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.21	V

#### Stato limite di salvaguardia della vita (SLV)

a <sub>g</sub> [cm/sec <sup>2</sup> ]	S	q	a <sub>g</sub> · S / q [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.05	V

### MECCANISMO LOCALE 13 - (Ribaltamento Semplice) (Posizione cerniera: 25.00 cm, 0.00 cm; Verso di rotazione: Orario)

#### Dati Generali

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
25.000	0.000	0.0000	1070.0000	Orario

#### Azioni Esterne

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	100.00	0.00	-7208.00
	0.00	470.21	0.00	-14187.32
	0.00	893.08	0.00	-8517.99
<b>Carico solai</b>	-19.00	683.00	0.00	-4615.85
	8.00	1070.00	0.00	-11099.60
	-8.00	1070.00	0.00	-5142.18
<b>Forze inerziali</b>	0.00	100.00	$-7208.00 \cdot \alpha$	0.00
	0.00	470.21	$-14187.32 \cdot \alpha$	0.00
	0.00	893.08	$-8517.99 \cdot \alpha$	0.00
	-19.00	683.00	$-4615.85 \cdot \alpha$	0.00
	8.00	1070.00	$-11099.60 \cdot \alpha$	0.00
	-8.00	1070.00	$-5142.18 \cdot \alpha$	0.00
<b>Forze di connessione tra pareti ortogonali</b>	0.00	133.33	1433.33	0.00
	0.00	133.33	1433.33	0.00
	0.00	485.53	3461.50	0.00
	0.00	485.53	3461.50	0.00
	0.00	890.74	1014.80	0.00
	0.00	890.74	1186.80	0.00



**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.20	41.86	0.81	1.35	177.34

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	1.84	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	1.60	V

**MECCANISMO LOCALE 13 - (Flessione Verticale)**  
(Posizione cerniera: 20.00 cm, 721.70 cm; Verso di rotazione: Antiorario)

**Dati Generali**

Fili Fissi	Numero pareti	X_min [cm]	Y_min [cm]	X_max [cm]	Y_max [cm]
9-10	3	-25.00	0.00	-25.00	1070.00

Coordinate Cerniera [cm]		Coordinate Punto Controllo [cm]		Verso di rotazione
X	Y	X	Y	
20.000	721.700	20.0000	721.7000	Antiorario

**Azioni Esterne**

Forze agenti sulla catena cinematica	X [cm]	Y [cm]	Forza X [daN]	Forza Y [daN]
<b>Peso muri</b>	0.00	918.99	0.00	-7506.59
<b>Carico solai</b>	8.00	1070.00	0.00	-11099.60
	-8.00	1070.00	0.00	-5142.18
<b>Forze inerziali</b>	0.00	918.99	$-7506.59 \cdot \alpha$	0.00
	8.00	1070.00	$-11099.60 \cdot \alpha$	0.00
	-8.00	1070.00	$-5142.18 \cdot \alpha$	0.00

**Parametri dell'oscillatore equivalente**

$\alpha_0$	$M^*$ [daNm]	$e^*$	FC	$a^*_0$ [cm/sec <sup>2</sup> ]
0.43	28.61	0.55	1.35	571.29

**Stato limite di danno (SLD)**

$a_g$ [cm/sec <sup>2</sup> ]	S	$a_g \cdot S$ [cm/sec <sup>2</sup> ]	s	Esito
80.41	1.20	96.49	5.92	V

**Stato limite di salvaguardia della vita (SLV)**

$a_g$ [cm/sec <sup>2</sup> ]	S	q	$a_g \cdot S / q$ [cm/sec <sup>2</sup> ]	s	Esito
184.35	1.20	2.00	110.61	5.16	V

**5.2 ALLEGATO B - (Scheda Sintetica NTC).**



## DESCRIZIONE GENERALE DELL'OPERA

Oggetto : Progettazione per adeguamento sismico - modellazione AnteOperam

## CRITERI GENERALI DI VERIFICA E RIFERIMENTI NORMATIVI

Normativa : D.M. 17/01/2018 "Norme Tecniche per le Costruzioni"  
 Struttura : Esistente  
 Vita nominale : 50  
 Tipo di opera : Opere ordinarie  
 Classe d'uso : III  
 Vita di riferimento : 75  
 Approccio Verifiche GEO : Approccio 2

## Analisi dei Carichi

Peso dei materiali strutturali:

### b - Calcestruzzo

Cls1 - Peso Specifico 2500.00 daN/m<sup>3</sup>

### c - Acciaio per carpenteria.

Acciaio1 - Peso Specifico 7850.00 daN/m<sup>3</sup>

### d - Muratura

Muratura1 - Peso Specifico 2000.00 daN/m<sup>3</sup>

mattonipieni - Peso Specifico 1800.00 daN/m<sup>3</sup>

Pesi propri unitari - G1:

Impalcato	Solai [daN/m <sup>2</sup> ]	Balconi [daN/m <sup>2</sup> ]	Scale [daN/m <sup>2</sup> ]
Fondazione	-	-	-
Piano 1	-	-	-
Piano 2	277	-	-
Piano 3	277	-	-

- Analisi dei Carichi -

## Piano 2

### Solai

Tipologia solaio prevalente: SLC\_Default( LATERO CEMENTO )

Altezza pignatta	16.0 cm
Larghezza pignatta	25.0 cm
Larghezza travetto	8.0 cm
Altezza soletina collaborante	4.0 cm
Peso dell'unità di volume calcestruzzo armato	2500.0 daN/m <sup>3</sup>
Peso Pignatte	80.0 daN/m <sup>2</sup>

**Peso Proprio Solaio: 277 daN/m<sup>2</sup>**

Tipologie solaio presenti:

- PET\_NP120(2)( PUTRELLE & TAVELLONI )

Altezza massetto	120 mm
Altezza tavelloni	60 mm
Interasse putrelle	1000 mm
Profilo acciaio	
Peso tavelloni per unità di superficie	39.0 mm
Peso proprio riempimento	2100.0 daN/m <sup>2</sup>



**Peso Proprio Solaio: 291 daN/m²**

- PET\_NP200(2)( PUTRELLE & TAVELLONI )

Altezza massetto	150 mm
Altezza tavelloni	60 mm
Interasse putrelle	1200 mm
Profilo acciaio	
Peso tavelloni per unità di superficie	39.0 mm
Peso proprio riempimento	2000.0 daN/m²

**Peso Proprio Solaio: 339 daN/m²**

**Piano 3**

**Solai**

**Tipologia solaio prevalente: SLC\_Default( LATERO CEMENTO )**

Altezza pignatta	16.0 cm
Larghezza pignatta	25.0 cm
Larghezza travetto	8.0 cm
Altezza soletta collaborante	4.0 cm
Peso dell'unità di volume calcestruzzo armato	2500.0 daN/m³
Peso Pignatte	80.0 daN/m²

**Peso Proprio Solaio: 277 daN/m²**

**Tipologie solaio presenti:**

- SLCT\_Default( LATERO CEMENTO CON ARMATURA A TRALICCIO )

Altezza pignatta	20.0 cm
Larghezza pignatta	40.0 cm
Larghezza travetto	10.0 cm
Doppio Travetto	Non Presente
Altezza soletta collaborante	4.0 cm
Peso dell'unità di volume calcestruzzo armato	2500.0 daN/m³
Peso Pignatte	80.0 daN/m²

**Peso Proprio Solaio: 280 daN/m²**

**Carichi Permanenti - G2:**

Impalcato	Solai [daN/m²]	Balconi [daN/m²]	Scale [daN/m²]	Influenza Tramezzi [daN/m²]	Tamponature [daN/m]
Fondazione	150	150	150	100	582
Piano 1	150	150	150	100	582
Piano 2	150	150	150	100	582
Piano 3	150	150	150	0	0

- Analisi dei Carichi -

**Fondazione**

**Influenza Tramezzi**

Il peso proprio degli elementi divisorii interni viene ragguagliato ad un carico permanente portato uniformemente distribuito come definito dal punto 3.1.3.1 - Elementi divisorii interni (D.M. 17/01/2018)

**Piano 1**

**Influenza Tramezzi**

Il peso proprio degli elementi divisorii interni viene ragguagliato ad un carico permanente portato uniformemente distribuito come definito dal punto 3.1.3.1 - Elementi divisorii interni (D.M. 17/01/2018)

**Piano 2**



### Solai

**Tipologia solaio prevalente:** Il carico permanente non strutturale G2 deriva dall'analisi della tipologia di solaio adottata in fase di progettazione e descritta nei relativi elaborati

### Influenza Tramezzi

Il peso proprio degli elementi divisori interni viene ragguagliato ad un carico permanente portato uniformemente distribuito come definito dal punto 3.1.3.1 - Elementi divisori interni (D.M. 17/01/2018)

### Piano 3

### Solai

**Tipologia solaio prevalente:** Il carico permanente non strutturale G2 deriva dall'analisi della tipologia di solaio adottata in fase di progettazione e descritta nei relativi elaborati

### Carichi Variabili - Q:

Le intensità assunte per i carichi variabili verticali ripartiti sono riportate nella seguente tabella:

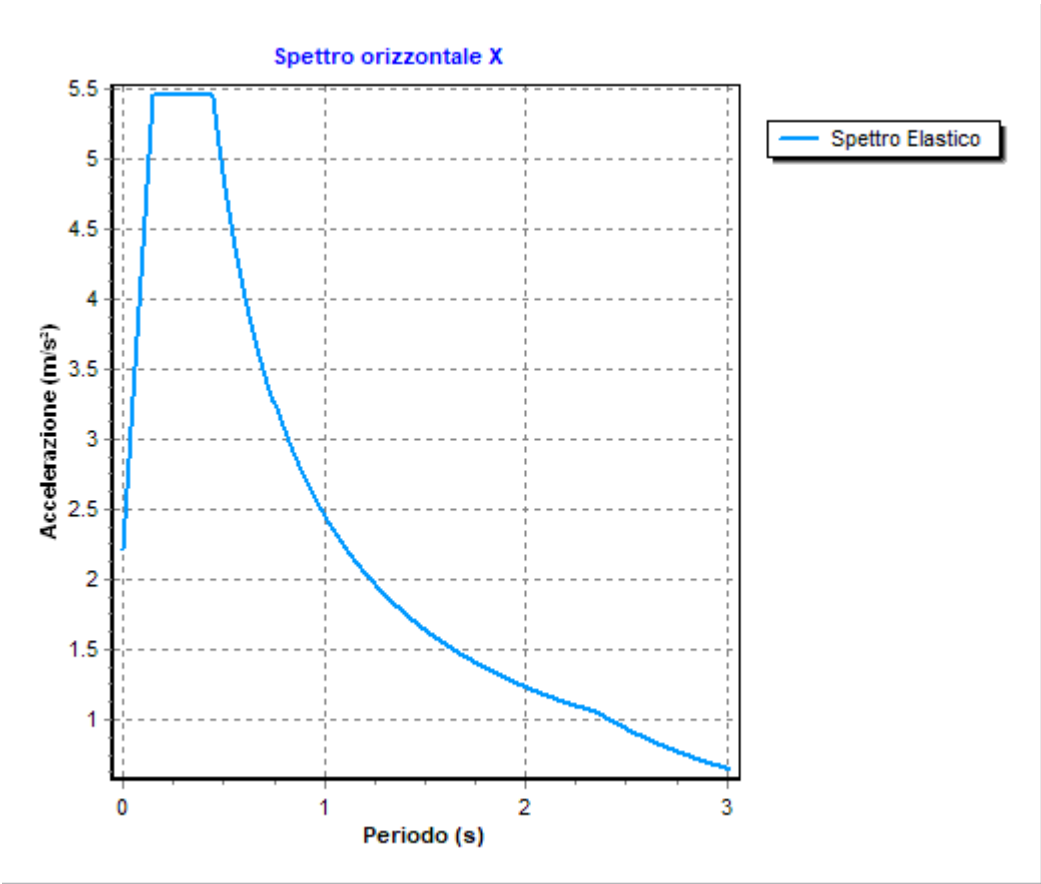
Impalcato	Carichi d'esercizio [daN/m²]		
	Solai	Balconi	Scale
Fondazione	200	400	400
Piano 1	200	400	400
Piano 2	200	400	400
Piano 3	200	400	400

### Azione Sismica

Comune : Via del Faggio 2, 05100 Terni Terni  
 Latitudine : 42.5855°  
 Longitudine : 12.6152°  
 Suolo di fondazione : B  
 Categoria topografica : T1  
 Coeff. smorz. viscoso : 0.05

	Parametri dello spettro di risposta orizzontale		
	SLV	SLD	SLO
Tempo di ritorno	712	75	45
Accelerazione sismica	0.188	0.082	0.067
Coefficiente Fo	2.468	2.505	2.498
Periodo T <sub>C</sub> *	0.326	0.288	0.278
Coefficiente Ss	1.20	1.20	1.20
Coefficiente di amplificazione topografica St	1.00	1.00	1.00
Prodotto Ss · St	1.20	1.20	1.20
Periodo T <sub>B</sub>	0.15	0.14	0.13
Periodo T <sub>C</sub>	0.45	0.41	0.40
Periodo T <sub>D</sub>	2.35	1.93	1.87
Coefficiente η	1.00	1.00	1.00





**VERIFICHE SLD** : ESEGUITE

**VERIFICHE SLO** : ESEGUITE

**MATERIALI**

Materiale	Tipo	Classe	Normativa
ClsI	Calcestruzzo	Utente	-
Barrel	Acciaio per C.A.	B450C	-
AcciaioI	Acciaio per carpenteria	S275	UNI EN 10025-2
MuraturaI	Conci sbozzati	-	-
mattonipieni	Mattoni pieni e malta di calce	-	-

**TIPO DI ANALISI SVOLTA:**

ANALISI STATICA NON LINEARE

**ORIGINE E CARATTERISTICHE DEI CODICI DI CALCOLO**

Titolo : VEM  
Autore : Stacec s.r.l.  
Produttore : Stacec s.r.l.  
Versione : 24.2.7  
Numero di licenza : S/444-D/898 (1/4)  
Intestata a : Studio Baffo Srl



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