

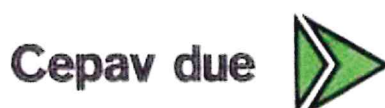
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ALTA SORVEGLIANZA:



GENERAL CONTRACTOR:



INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE OBIETTIVO N. 443/01

LINEA A.V. /A.C. TORINO – VENEZIA Tratta MILANO – VERONA
Lotto funzionale Brescia-Verona

PROGETTO ESECUTIVO

SLF3 - SOTTOPASSO S.C. VIA BETLEMME - PK 148+787,141

RELAZIONE DI CALCOLO OPERE PROVVISORIALI

GENERAL CONTRACTOR	DIRETTORE LAVORI
Consorzio Cepav due Consorzio Cepav due Il Direttore del Consorzio (Ing. J. Taranta) Data: _____	Valido per costruzione Data: _____

COMMESSA	LOTTO	FASE	ENTE	TIPO DOC	OPERA/DISCIPLINA	PROGR	REV
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PROGETTAZIONE						IL PROGETTISTA	
Rev.	Descrizione	Redatto	Data	Verificato	Data	Data	
A	Emissione	GUILARTE	31/08/18	AIELLO	31/08/18	31/08/18	
B							
C							

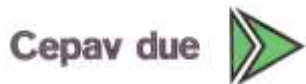
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Progetto cofinanziato
dalla Unione Europea

CUP: F81H91000000008

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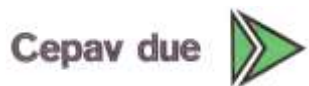


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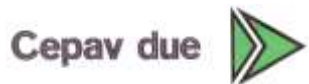
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1. INTRODUZIONE

La presente relazione è relativa al calcolo delle opere provvisorie necessarie per la realizzazione dell'opera denominata "Sottopasso podereale pk 148+787.141", prevista nell'ambito dei lavori inerenti la linea A.V./A.C. TORINO – VENEZIA, tratta MILANO – VERONA, lotto funzionale Brescia – Verona, ubicata al km 148+787.141 della linea ferroviaria.

Si prevede la disposizione di berlinesi di micropali $\phi 240$ ad interasse 0.30m con armatura tubolare $\phi 177.80$ sp. 12.5mm di lunghezza $L=9m$; l'altezza di scavo variabile necessarie per il sostegno del rilevato ferroviario durante la fase di demolizione della porzione di muro di imbocco esistente e la realizzazione del muro di imbocco di progetto.

Si riporta nel presente documento il calcolo delle seguenti tipologie di paratia:

- *Paratia Tipo 1:* paratia di micropali $\phi 240/0.30m$ $L=9.0m$ calcolata per un'altezza di scavo di 3.40m.

2. NORMATIVA DI RIFERIMENTO

- UNI EN 197-1 giugno 2001 – “Cemento: composizione, specifiche e criteri di conformità per cementi comuni”;
- UNI EN 11104 luglio 2016 – “Calcestruzzo: specificazione, prestazione, produzione e conformità”, Istruzioni complementari per l'applicazione delle EN 206-1;
- UNI EN 206-1 ottobre 2006 – “Calcestruzzo: specificazione, prestazione, produzione e conformità”.
- UNI EN 1998-5 (Eurocodice 8) – Gennaio 2005: “Progettazione delle strutture per la resistenza sismica – Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici”;
- UNI EN 1992-1-1 (Eurocodice 2) – Novembre 2005: “Progettazione delle strutture di calcestruzzo – Parte 1: Regole generali e regole per edifici”;
- UNI EN 1993-5 (Eurocodice 3) – Maggio 2007: “Progettazione delle strutture in acciaio – Parte 5: Pali e Palancole”;
- D. M. Min. IL TT. del 14 gennaio 2008 – Norme tecniche per le costruzioni;
- CIRCOLARE 2 febbraio 2009, n.617 Istruzione per l'applicazione delle «Nuove norme tecniche per le costruzioni» di cui al decreto ministeriale 14 gennaio 2008;
- Linee guida sul calcestruzzo strutturale - Presidenza del Consiglio Superiore dei Lavori Pubblici - Servizio Tecnico Centrale;
- RFI DTC SI MA IFS 001 A - Manuale di Progettazione delle Opere Civili;
- RFI DTC SI SP IFS 001 A Capitolato Generale Tecnico di Appalto delle Opere Civili.

3. CRITERI DI CALCOLO

In ottemperanza al D.M. del 14.01.2008 (Norme tecniche per le costruzioni), i calcoli sono condotti con il metodo semiprobabilistico agli stati limite.

3.1. Criteri e definizione dell'azione sismica

Poiché le opere di sostegno in esame sono opere provvisoriale, l'azione sismica non viene considerata al fine del dimensionamento e della verifica strutturale.

3.2. Combinazione di carico

Le combinazioni di carico, considerate ai fini delle verifiche, sono stabilite in modo da garantire la sicurezza in conformità a quanto prescritto al cap. 2 delle N.T.C..

3.2.1. Combinazioni per la verifica allo SLU

Gli stati limite ultimi delle opere interrate si riferiscono allo sviluppo di meccanismi di collasso, determinati dalla mobilitazione della resistenza del terreno, e al raggiungimento della resistenza degli elementi strutturali che compongono l'opera.

Le verifiche strutturali agli stati limite ultimi sono eseguiti in riferimento ai seguenti stati limite:

- SLU di tipo geotecnico (GEO) e di equilibrio di corpo rigido (EQU), collasso per carico limite dell'insieme fondazione-terreno;
- SLU di tipo strutturale (STR), raggiungimento della resistenza negli elementi strutturali.

Le verifiche vengono condotte secondo l'approccio progettuale "Approccio 1" e le relative combinazioni previste:

- combinazione 1 (A1+M1+R1) STR;
- combinazione 2 (A2+M2+R2) GEO.

Le combinazioni di carico di tipo A1 STR e A2 GEO vengono effettuate adottando i gruppi di azioni indicati in tabella 5.2.IV delle N.T.C. con i coefficienti parziali di sicurezza ferroviari indicati in tabella 5.1.V e i coefficienti di combinazione dei carichi stradali della tabella 5.1.VI, presenti al capitolo 5.1.3.12 delle N.T.C.

Per quanto riguarda i coefficienti parziali per i parametri geotecnici del terreno, si fa riferimento alla tabella 6.2.II delle N.T.C. mentre per quanto riguarda i coefficienti parziali per le verifiche agli stati limiti ultimi (γ_R) si fa riferimento alla tabella 6.5.I delle N.T.C..

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

Combinazione fondamentale, impiegata per gli stati limiti ultimi SLU:

$$\gamma_{G1} \cdot G_1 + \gamma_{G2} \cdot G_2 + \gamma_{Q1} \cdot Q_{k1} + \sum_i \gamma_{Qi} \cdot \psi_{0i} \cdot Q_{ki} \Rightarrow (\Phi_d' = \Phi_k')$$

Combinazione sismica, impiegata per gli stati limiti ultimi connessi all'azione sismica E:

$$E + G_1 + G_2 + \sum_i \psi_{2i} \cdot Q_{ki} \Rightarrow (\Phi_d' = \Phi_k')$$

Gli effetti dell'azione sismica sono valutati tenendo conto delle masse associate ai seguenti carichi gravitazionali.

$$G_1 + G_2 + \sum_i \psi_{2i} \cdot Q_{ki}$$

3.2.2. Combinazioni per la verifica allo SLE

Le combinazioni di carico allo SLE vengono effettuate adottando i gruppi di azioni indicati in tabella 5.2.IV delle N.T.C. con i coefficienti di combinazione dei carichi ferroviari della tabella 5.2.VI delle N.T.C. presenti al capitolo 5.2.3.3.2 della norma.

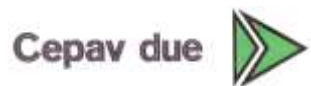
Ai fini delle verifiche degli stati limite di esercizio (fessurazione/stato tensionale) si definiscono le seguenti combinazioni:

Quasi permanente $\Rightarrow G_1 + G_2 + \psi_{21} \cdot Q_{k1} + \sum_i \psi_{2i} \cdot Q_{ki} \Rightarrow (\Phi_d' = \Phi_k')$

Frequente $\Rightarrow G_1 + G_2 + \psi_{11} \cdot Q_{k1} + \sum_i \psi_{2i} \cdot Q_{ki} \Rightarrow (\Phi_d' = \Phi_k')$

Rara $\Rightarrow G_1 + G_2 + Q_{k1} + \sum_i \psi_{0i} \cdot Q_{ki} \Rightarrow (\Phi_d' = \Phi_k')$

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4. CRITERI DI VERIFICA

I calcoli di verifica sono effettuati con il metodo degli Stati Limite, applicando il combinato D. M.14.01.2008 con l'UNI EN 1993-5 (Eurocodice 3 Parte 5: Pali e palancole).

5. CARATTERISTICHE DEI MATERIALI

Per la realizzazione dell'opera è previsto l'impiego dei sottoelencati materiali:

5.1. Calcestruzzo

Per la realizzazione dei pali, dei micropali e dei cordoli di sommità, si prevede l'utilizzo di calcestruzzo avente classe di resistenza C25/30 ($R_{ck} \geq 30 \text{ N/mm}^2$) che presenta le seguenti caratteristiche:

- Resistenza caratteristica a compressione (cilindrica) $\rightarrow f_{ck} = 0.83 \times R_{ck} = 24.90 \text{ N/mm}^2$
- Resistenza media a compressione $\rightarrow f_{cm} = f_{ck} + 8 = 32.90 \text{ N/mm}^2$
- Modulo elastico $\rightarrow E_{cm} = 22000 \times (f_{cm}/10)^{0.3} = 31447 \text{ N/mm}^2$
- Resistenza di calcolo a compressione $\rightarrow f_{cd} = \alpha_{cc} \times f_{ck} / \gamma_c = 0.85 \times f_{ck} / 1.5 = 14.11 \text{ N/mm}^2$
- Resistenza a trazione media $\rightarrow f_{ctm} = 0.30 \times f_{ck}^{2/3} = 2.56 \text{ N/mm}^2$
- Resistenza a trazione $\rightarrow f_{ctk} = 0.7 \times f_{ctm} = 1.79 \text{ N/mm}^2$
- Resistenza a trazione di calcolo $\rightarrow f_{ctd} = f_{ctk} / \gamma_c = 1.19 \text{ N/mm}^2$
- Resistenza a compressione (comb. Rara) $\rightarrow \sigma_c = 0.55 \times f_{ck} = 13.69 \text{ N/mm}^2$
- Resistenza a compressione (comb. Quasi permanente) $\rightarrow \sigma_c = 0.40 \times f_{ck} = 9.96 \text{ N/mm}^2$

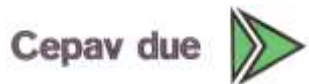
5.2. Acciaio per cemento armato

Per le armature metalliche si adottano tondini in acciaio del tipo B450C saldabile, controllato in stabilimento e che presentano le seguenti caratteristiche:

Proprietà	Requisito
Limite di snervamento f_y	$\geq 450 \text{ MPa}$
Limite di rottura f_t	$\geq 540 \text{ MPa}$
Allungamento totale al carico massimo A_{gt}	$\geq 7.5\%$
Rapporto f_t/f_y	$1.15 \leq R_m/R_e \leq 1.35$
Rapporto $f_y \text{ misurato} / f_y \text{ nom}$	≤ 1.25

- Tensione di snervamento caratteristica $\rightarrow f_{yk} \geq 450 \text{ N/mm}^2$
- Tensione caratteristica a rottura $\rightarrow f_{tk} \geq 540 \text{ N/mm}^2$
- Tensione in condizione di esercizio (comb. Rara) $\rightarrow \sigma_s = 0.80 \times f_{yk} = 360.00 \text{ N/mm}^2$
- Fattore di sicurezza acciaio $\rightarrow \gamma_s = 1.15$
- Resistenza a trazione di calcolo $\rightarrow f_{yd} = f_{yk} / \gamma_s = 391.30 \text{ N/mm}^2$

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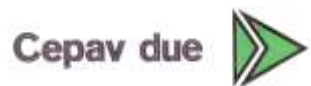
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5.3. Acciaio strutturale

Per i tubolari che costituiscono l'armatura dei micropali si adotta un acciaio S275, che presenta le seguenti caratteristiche:

- Tensione di snervamento caratteristica $\rightarrow f_{yk} \geq 275 \quad \text{N/mm}^2$
- Tensione caratteristica a rottura $\rightarrow f_{tk} \geq 430 \quad \text{N/mm}^2$
- Modulo elastico $\rightarrow E = 210000 \quad \text{N/mm}^2$
- Fattore di sicurezza acciaio $\rightarrow \gamma_{M0} = 1.05$
- Resistenza a trazione di calcolo $\rightarrow f_{yd} = f_{yk} / \gamma_{M0} = 261.90 \text{ N/mm}^2$

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6. CARATTERISTICHE GEOMETRICHE

6.1. Paratia di micropali

La paratia è costituita da micropali ϕ 240 ad interasse 30cm con tubo ϕ 177.80 di spessore 12.50mm. La lunghezza dei tubi è pari a 9.00m e l'altezza di scavo è pari a 3.40m. Si riportano di seguito le caratteristiche geometriche del tubo in acciaio:

Tubolare	W [cm ³]	I [cm ⁴]	A [cm ²]
Tubo ϕ 177.80 sp 12.5mm	251.0	2230	64.9

7. PARAMETRI GEOTECNICI

Si riporta di seguito la stratigrafia e la caratterizzazione del terreno in situ; per ulteriori dettagli si rimanda allo specifica Relazione Geotecnica (**Errore. L'origine riferimento non è stata trovata.**).

7.1. Stratigrafia di progetto

Si riporta di seguito la stratigrafia del terreno in corrispondenza dell'opera a partire da una quota di piano campagna posta circa a +88÷89 m s.l.m.m.:

- Strato 1 – terreno vegetale: da piano campagna fino a circa 0.50 m circa dal p.c.;
- Strato 2 – ghiaia sabbiosa limosa: oltre 0.50 m dal p.c..

7.2. Caratterizzazione geotecnica

I valori caratteristici dei principali parametri geotecnici del terreno sono caratterizzati come segue:

Strato 2

- | | | |
|---|-----------------------|--------------------------|
| • peso di volume naturale | γ_k | = 19.0 kN/m ³ |
| • peso di volume sommerso | γ'_k | = 9.0 kN/m ³ |
| • angolo di attrito di picco | $\phi'_{p,k}$ | = 38° |
| • angolo di attrito operativo | $\phi'_{operativo,k}$ | = 36° |
| • angolo di attrito a volume costante | $\phi'_{cv,k}$ | = 35° |
| • coesione in termini di sforzi efficaci | $c'_{operativo,k}$ | = 0 kPa |
| • coefficiente di spinta del terreno a riposo | $k_{0,k}$ | = 0.5 |
| • Modulo di taglio | G_0 | = 188 MPa |
| • Modulo elastico | E_{vc} | = 47 MPa |

7.3. Profondità della falda

Il livello di falda massimo è stato rilevato a quota +72.80 m s.l.m.m.; si assumono pertanto i seguenti valori:

- quota falda di progetto in fase di esercizio +73.80 m s.l.m.m.;
- quota falda di progetto in fase di cantiere +73.50 m s.l.m.m..

La falda è da ritenersi non interferente con le opere in oggetto, sia in fase di costruzione che in esercizio.

8. ANALISI STRUTTURALE

8.1. Modellazione strutturale

Per il calcolo delle sollecitazioni nelle opere di sostegno è stato utilizzato un programma di calcolo automatico agli elementi finiti che risolve paratie (Paratie Plus 18.0.2 di CeAS) con uno o più ordini di puntoni.

La verifica di resistenza della paratia viene condotta nella sezione più significativa, determinando le sollecitazioni lungo il fusto per una fascia di larghezza unitaria. La determinazione del complesso delle sollecitazioni è ricavata discretizzando la fascia di paratia in un certo numero di elementi finiti monodimensionali caratterizzati dalla propria rigidità trasversale.

Lo stato di deformazione di ogni elemento finito risulta funzione dell'ipotesi di conservazione delle proprietà elastiche del materiale costituente.

Il palancolato, così schematizzato, è soggetta alle azioni derivanti dalla variazione delle pressioni litostatiche per effetto delle diverse fasi di scavo e dalla differenza delle pressioni idrostatiche.

Le azioni e le reazioni offerte dal terreno tengono conto della successione delle fasi esecutive, e discendono dall'ipotesi di comportamento elasto - plastico del materiale.

Il problema d'interazione terreno-struttura di contenimento viene affrontato discretizzando il terreno in strati elementari indipendenti, corrispondenti alla suddivisione della struttura in elementi finiti.

8.2. Approcci di progetto e fattori di combinazione

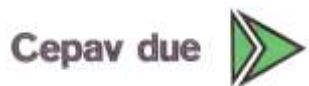
Combinazioni SLU

Per le verifiche agli stati limite ultimi si adottano i valori dei coefficienti parziali di Tab. 6.2.I delle N.T.C., e i coefficienti Ψ di Tab. 5.1.VI delle N.T.C. per il sovraccarico stradale.

Stage	Design Code Name	Design Case	F(tan fr)	F (c')	F(perm load)	F(temp load)	F Earth (Dstab)	F Earth (stab)
0	DM08_ITA	1: A1+M1+R1	1	1	1.3	1.5	1.3	1
1	DM08_ITA	1: A1+M1+R1	1	1	1.3	1.5	1.3	1
2	DM08_ITA	1: A1+M1+R1	1	1	1.3	1.5	1.3	1

Stage	Design Code Name	Design Case	F(tan fr)	F (c')	F(perm load)	F(temp load)	F Earth (Dstab)	F Earth (stab)
0	DM08_ITA	2: A2+M2+R1	1.25	1.25	1	1.3	1	1
1	DM08_ITA	2: A2+M2+R1	1.25	1.25	1	1.3	1	1
2	DM08_ITA	2: A2+M2+R1	1.25	1.25	1	1.3	1	1

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Viene effettuata solamente la combinazione SLE Caratteristica per le verifiche di deformabilità e tensione in esercizio. Non saranno effettuate le verifiche di fessurazione in quanto l'opera è provvisoria.

Stage	Design Code Name	Design Case	F(tan fr)	F (c')	F(perm load)	F(temp load)	F Earth (Dstab)	F Earth (stab)
0	Default	Service Factors	1	1	1	1	1	1
1	Default	Service Factors	1	1	1	1	1	1
2	Default	Service Factors	1	1	1	1	1	1

- Stage = Fase di scavo
- Design Code = Codice di verifica
- Ftan fr = fattore moltiplicatore tangente angolo di attrito
- F C' = fattore moltiplicatore coesione efficace
- F perm load = fattore moltiplicatore carichi permanenti
- F temp load = fattore moltiplicatore carichi accidentali/variabili
- F earth Dstab = fattore moltiplicatore per spinta attiva nel caso sfavorevole
- F earth stab = fattore moltiplicatore per spinta attiva nel caso favorevole

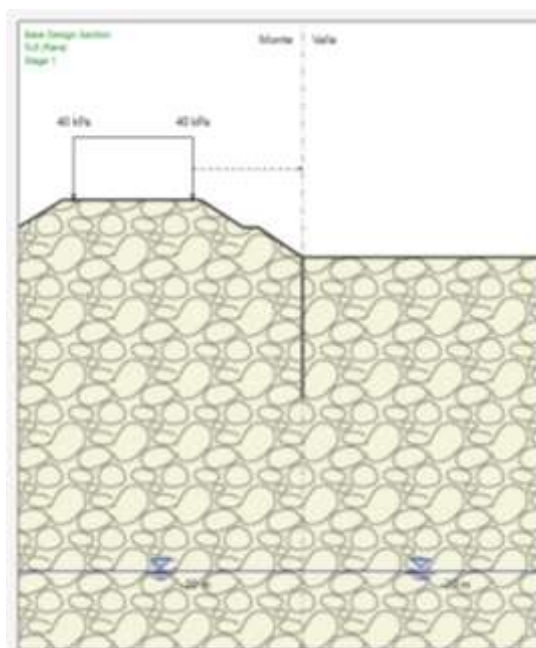
9. PARATIA DI MICROPALI

La paratia è costituita da micropali $\phi 240/30\text{cm}$ di lunghezza 9.00m con altezza di scavo pari a 3.40m, e le cui fasi realizzative sono di seguito descritte.

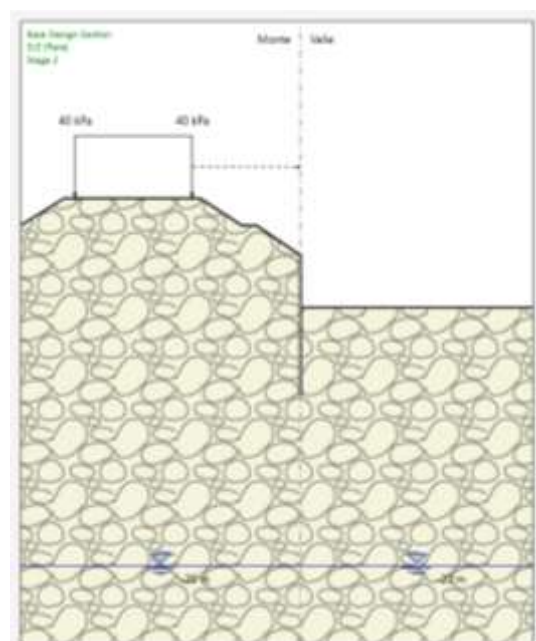
9.1. Fasi di scavo

Si riportano di seguito le fasi di scavo dell'opera:

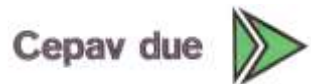
- STAGE 1: realizzazione micropali (quota sommità +0.00m)



- STAGE 2: scavo a quota -3.40 m



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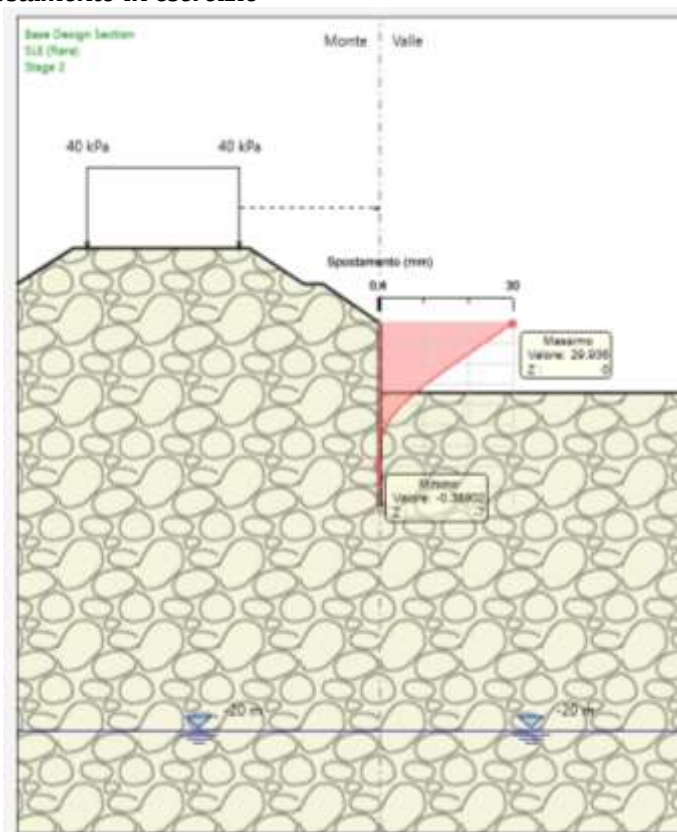
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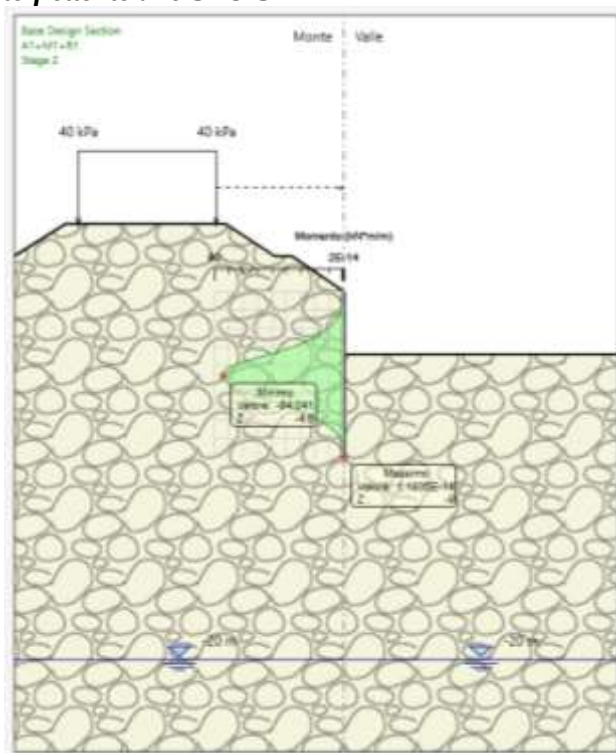
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9.2. Diagrammi di output

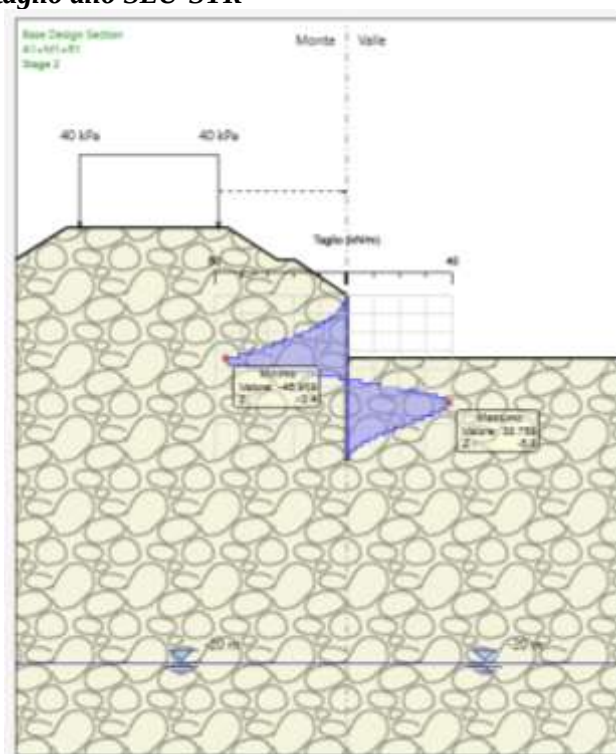
9.2.1. Diagrammi di spostamento in esercizio



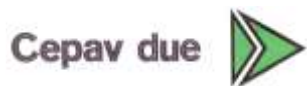
9.2.2. Diagramma momento flettente allo SLU-STR



9.2.3. Diagramma sforzo taglio allo SLU-STR



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L'analisi svolta con il programma ad elementi finiti fornisce le seguenti sollecitazioni e deformazioni massime:

Combinazioni SLE:

- Spostamento: $d = 2.99 \text{ cm}$ a quota -0.00 m (STAGE 2 - Comb. Car.)

Combinazioni SLU - STR:

- Momento flettente: $M = 84.04 \text{ kNm/m}$ a quota -4.60 m (STAGE 2 - Comb. A1+M1+R1);
- Azione di taglio: $T = 45.92 \text{ kN/m}$ a quota -3.40 m (STAGE 2 - Comb. A1+M1+R1).

9.3. Verifiche globali della paratia

Si riportano di seguito i valori minimi dei fattori di sicurezza nei confronti dei seguenti stati limite ultimi:

- collasso per rotazione (stabilità al piede della paratia), espresso come rapporto tra la resistenza passiva disponibile sotto lo scavo e la reazione passiva del terreno mobilitata sotto lo scavo (GEO);

I valori sono riferiti all'approccio A2+M2+R1 in quanto risulta il più sfavorevole.

	FS
Rotazione	1.12

9.4. Verifiche di resistenza ultima tubolare

La sezione del tubo ϕ 177.80 di spessore 12.50mm ha le seguenti caratteristiche geometriche:

- $A = 64.90 \text{ cm}^2$
- $I_{yy} = 2230 \text{ cm}^4$
- $W_{el,yy} = 251 \text{ cm}^3$

Si verifica la classe del profilo secondo quanto previsto dalla tabella 4.2.III delle NTC per profili tubolari:

$$\varepsilon = (235/f_{yk})^{0.5} = (235/275)^{0.5} = 0.924$$

$$(d/t) = 13.46 < 50 \varepsilon^2 = 42.73$$

Il profilo ricade in classe 1. Essendo l'opera di tipo provvisoria, le verifiche vengono comunque svolte adottando il modulo resistente elastico.

9.4.1. Verifiche a flessione

Azioni sollecitanti:

Load Case: A1+M1+R1 (STR)

$$M_{Ed} = 84.04 \times 0.30 = 25.21 \text{ kNm}$$

Azioni resistenti:

$$M_{c,Rd} = W_{el} f_y / \gamma_{M0} = 251 \times 1000 \times 275 / 1.05 = 65.74 \times 10^6 \text{ Nmm/m} = 65.74 \text{ kNm/m} > M_{Ed}$$

9.4.2. Verifiche a taglio

Azioni sollecitanti:

Load Case: A1+M1+R1 (STR)

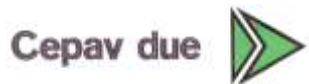
$$V_{Ed} = 45.92 \text{ kN/m} \times 0.30 = 13.78 \text{ kN}$$

Azioni resistenti:

$$A_v = 2 A / \pi = 4132 \text{ mm}^2$$

$$V_{pl,Rd} = A_v \times f_y / (3^{0.5} \times \gamma_{M0}) = 4132 \times 275 / (3^{0.5} \times 1.05) = 624803 \text{ N/m} = 625 \text{ kN/m} \gg V_{Ed}$$

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10. RIFERIMENTI

10.1. Documenti referenziati

Rif. [1] Cepav due, documento n° INOR 11 E E2 RB SLF2 00 001, intitolato “RELAZIONE GEOTECNICA SLF3 - Sottopasso poderale pk 148+787.141”.

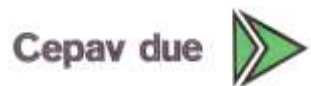
10.2. Documenti correlati

Non sono presenti documenti correlati.

10.3. Documenti superati

Non sono presenti documenti superati.

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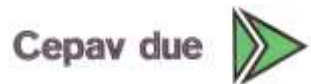
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11. ALLEGATI

All. [1] Documento intitolato "Tabulati di calcolo – Paratia micropali"

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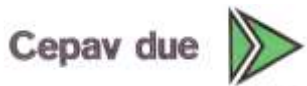
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ALLEGATO 1

TITOLO	Tabulati di calcolo – Paratia micropali
TIPO DI DOCUMENTO:	Documento – Formato A4
CODIFICA:	-
PAGINE:	106
DATA:	31/08/18
SORGENTE:	Cepav due
NOTE:	

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* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: SLE (Rara)

* 1: Defining general settings

UNIT m kN

TITLE New Project

DELTA 0.2

option param itemax 100

option control hinges 0 0.0001 0.001

* 2: Defining wall(s)

WALL LeftWall_32 0 -9 0 1

* 3: Defining surfaces for wall(s)

SOIL 0_L LeftWall_32 -9 0 1 0

SOIL 0_R LeftWall_32 -9 0 2 180

* 4: Defining soil layers

*

* Soil Profile (Sabbiaeghiaia_164_165_L_0)

*

LDATA Sabbiaeghiaia_164_165_L_0 7 LeftWall_32

ATREST 0.5 1 4

WEIGHT 19 9 10

PERMEABILITY 1E-06

RESISTANCE 0 36 0 0 0

YOUNG 4.7E+04 7.515E+04

ENDL

* 5: Defining structural materials

* Steel material: 113 Name=S275 E=210000000 kPa

MATERIAL S275_113 2.1E+08

* Concrete material: 104 Name=C25/30 E=31475800 kPa

MATERIAL C2530_104 3.148E+07

* 6: Defining structural elements

* 6.1: Beams and combined Wall Elements

BEAM WallElement_33 LeftWall_32 -9 0 S275_113 0.1202 00 00 0

* 6.2: Supports

* 6.3: Strips

STRIP LeftWall_32 1 2 6.95 7.55 3.65 40 45

* (slope contribution)

STRIP LeftWall_32 1 1 0 0.4 0 2.579 45

STRIP LeftWall_32 1 1 0.4 0.4 0 7.736 45

STRIP LeftWall_32 1 1 0.8 0.4 0 12.89 45

STRIP LeftWall_32 1 1 1.2 0.4 0 18.05 45

STRIP LeftWall_32 1 1 1.6 0.4 0 23.21 45

STRIP LeftWall_32 1 1 2 0.4 0 28.36 45

STRIP LeftWall_32 1 1 2.4 0.4 0 33.52 45

STRIP LeftWall_32 1 1 2.8 0.4 0 36.1 45

STRIP LeftWall_32 1 1 3.2 0.4 0 36.1 45

STRIP LeftWall_32 1 1 3.6 0.4 0 37.06 45

STRIP LeftWall_32 1 1 4 0.4 0 41.64 45

STRIP LeftWall_32 1 1 4.4 0.4 0 46.57 45

STRIP LeftWall_32 1 1 4.8 0.4 0 51.49 45

STRIP LeftWall_32 1 1 5.2 0.4 0 56.42 45

STRIP LeftWall_32 1 1 5.6 0.4 0 61.35 45

STRIP LeftWall_32 1 1 6 0.4 0 66.27 45

STRIP LeftWall_32 1 1 6.4 0.4 0 69.31 45

STRIP LeftWall_32 1 1 6.8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 7.2 0.4 0 69.35 45

STRIP LeftWall_32 1 1 7.6 0.4 0 69.35 45

STRIP LeftWall_32 1 1 8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 8.4 0.4 0 69.35 45

STRIP LeftWall_32 1 1 8.8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 9.2 0.4 0 69.35 45

STRIP LeftWall_32 1 1 9.6 0.4 0 69.35 45

STRIP LeftWall_32 1 1 10 0.4 0 69.35 45

STRIP LeftWall_32 1 1 10.4 0.4 0 69.35 45

STRIP LeftWall_32 1 1 10.8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 11.2 0.4 0 69.35 45

STRIP LeftWall_32 1 1 11.6 0.4 0 69.35 45

STRIP LeftWall_32 1 1 12 0.4 0 69.35 45

STRIP LeftWall_32 1 1 12.4 0.4 0 69.35 45

STRIP LeftWall_32 1 1 12.8 0.4 0 69.35 45

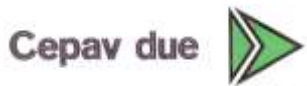
STRIP LeftWall_32 1 1 13.2 0.4 0 69.35 45

STRIP LeftWall_32 1 1 13.6 0.4 0 69.35 45

STRIP LeftWall_32 1 1 14 0.4 0 69.35 45

STRIP LeftWall_32 1 1 14.4 0.4 0 69.35 45

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STRIP LeftWall_32 1 1 14.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 15.2 0.4 0 66.98 45
STRIP LeftWall_32 1 1 15.6 0.4 0 62.23 45
STRIP LeftWall_32 1 1 16 0.4 0 57.47 45
STRIP LeftWall_32 1 1 16.4 0.4 0 52.73 45
STRIP LeftWall_32 1 1 16.8 0.4 0 47.97 45
STRIP LeftWall_32 1 1 17.2 0.4 0 43.23 45
STRIP LeftWall_32 1 1 17.6 0.4 0 38.47 45
STRIP LeftWall_32 2 2 0 0.4 0 2.579 45
STRIP LeftWall_32 2 2 0.4 0.4 0 7.736 45
STRIP LeftWall_32 2 2 0.8 0.4 0 12.89 45
STRIP LeftWall_32 2 2 1.2 0.4 0 18.05 45
STRIP LeftWall_32 2 2 1.6 0.4 0 23.21 45
STRIP LeftWall_32 2 2 2 0.4 0 28.36 45
STRIP LeftWall_32 2 2 2.4 0.4 0 33.52 45
STRIP LeftWall_32 2 2 2.8 0.4 0 36.1 45
STRIP LeftWall_32 2 2 3.2 0.4 0 36.1 45
STRIP LeftWall_32 2 2 3.6 0.4 0 37.06 45
STRIP LeftWall_32 2 2 4 0.4 0 41.64 45
STRIP LeftWall_32 2 2 4.4 0.4 0 46.57 45
STRIP LeftWall_32 2 2 4.8 0.4 0 51.49 45
STRIP LeftWall_32 2 2 5.2 0.4 0 56.42 45
STRIP LeftWall_32 2 2 5.6 0.4 0 61.35 45
STRIP LeftWall_32 2 2 6 0.4 0 66.27 45
STRIP LeftWall_32 2 2 6.4 0.4 0 69.31 45
STRIP LeftWall_32 2 2 6.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 7.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 7.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 9.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 9.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 11.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 11.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 13.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 13.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 15.2 0.4 0 66.98 45
STRIP LeftWall_32 2 2 15.6 0.4 0 62.23 45
STRIP LeftWall_32 2 2 16 0.4 0 57.47 45
STRIP LeftWall_32 2 2 16.4 0.4 0 52.73 45
STRIP LeftWall_32 2 2 16.8 0.4 0 47.97 45
STRIP LeftWall_32 2 2 17.2 0.4 0 43.23 45
STRIP LeftWall_32 2 2 17.6 0.4 0 38.47 45

```

* 7: Defining Steps

STEP Stage1_72626

```

CHANGE Sabbiaeghiaia_164_165_L_0 U-FRICT=36 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 D-FRICT=36 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 U-KA=0.225 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 U-KP=6.289 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 D-KA=0.225 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 D-KP=6.289 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 U-COHE=0 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 U-ADHES=0 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 D-COHE=0 LeftWall_32
CHANGE Sabbiaeghiaia_164_165_L_0 D-ADHES=0 LeftWall_32

```

SETWALL LeftWall_32

GEOM 0 0

SURCHARGE 0 0 0 0

WATER -20 0 -9 0 0

ADD WallElement_33

ENDSTEP

STEP Stage2_63336

SETWALL LeftWall_32

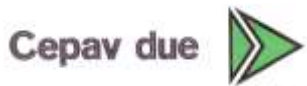
GEOM 0 -3.4

SURCHARGE 0 0 0 0

WATER -20 0 -9 0 0

ENDSTEP

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```

*****
*
*  PARATIE PLUS Non-Linear Spring Engine
*
*      AN ELASTOPLASTIC FINITE ELEMENT PROGRAM
*      FOR FLEXIBLE EARTH-RETAINING STRUCTURES
*
*      Written by Ce.A.S. s.r.l. (ITALY)
*      with the scientific supervision of
*      Roberto Nova - full professor SOIL MECHANICS
*      at Politecnico di Milano (ITALY)
*
*****
*
*  RELEASE    2018.0      *Build date:Nov 13, 2017*
*
*
*  Ce.A.S.    S.R.L.  CENTRO DI ANALISI STRUTTURALE
*             VIALE  GIUSTINIANO 10
*             20129  M I L A N O  (ITALIA)
*  TEL.       +39 02 2020221
*
*  email      bruno.becci@ceas.it
*  Web Page   www.ceas.it      www.paratieplus.com
*****

```

JOB : NewProject.BaseDesignSection_28.SLERara_5858

STARTING

```

ACCEPTED <FILE,GENW                                     >
ACCEPTED <FILE,PLOTTER,BINARY                           >
ACCEPTED <SOLVE TOTAL_STRESS                             >
ACCEPTED <PARAM ITEMAX 100                               >
ACCEPTED <CONTROL HINGES 0 0.0001 0.001                 >

```

```

*****
*
*  WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED
*           BY THE PROGRAM.
*
*****

```

PRELIMINARY OPERATIONS CPU TIME 0.01 [sec]

INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM

New Project

```

NO. OF NODAL POINTS (NUMNP) ..... 46
NO. OF COORDINATES (NCOORD)..... 2
NO. OF NODE DOFS (NDOF)..... 2
NO. OF EQUATIONS (NEQ)..... 92
NO. OF CONSTRAINTS CARDS (NVINC)..... 0
NO. OF ELEMENT GROUPS (NEG)..... 3
NO. OF SOLUTION STEPS (NSTE)..... 2
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ... 0
NO. OF RECORD FROM WALGEN ..... 132
NO. OF LONG NAMES (LASTNAME) ..... 11
LENGTH UNIT CHOICE ..... 3 (M )
FORCE UNIT CHOICE ..... 3 (KN )
MAX PORE PRESSURE TABLE LENGTH..... 1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF . 0

```

IDOF (01) = 2 Y-DISPL.F

IDOF (02) = 4 X-ROT. F

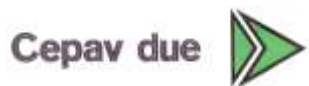
RELEVANT ITEMS UNITS

```

STRESSES          kPa
Y-DISPLACEMENTS   m
ROTATIONS          RADIANS
BEAM AND SLAB MOMENTS kN*m/m
BEAM SHEAR FORCES  kN/m

```

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ANCHOR FORCES kN/m
 AXIAL FORCES IN TRUSSES kN/m
 AXIAL FORCES SPRINGS kN/m
 Y-REACTIONS kN/m
 X-MOMENT REACTIONS kN*m/m
 ETC.

N O D A L P O I N T D A T A

NODE	Y-COORD	Z-COORD / NODE	Y-COORD	Z-COORD / NODE	Y-COORD	Z-COORD / NODE	Y-COORD	Z-COORD /
1	0.0000	0.0000 /	2	0.0000	-0.20000	/	3	0.0000
5	0.0000	-0.80000 /	6	0.0000	-1.0000	/	7	0.0000
9	0.0000	-1.6000 /	10	0.0000	-1.8000	/	11	0.0000
13	0.0000	-2.4000 /	14	0.0000	-2.6000	/	15	0.0000
17	0.0000	-3.2000 /	18	0.0000	-3.4000	/	19	0.0000
21	0.0000	-4.0000 /	22	0.0000	-4.2000	/	23	0.0000
25	0.0000	-4.8000 /	26	0.0000	-5.0000	/	27	0.0000
29	0.0000	-5.6000 /	30	0.0000	-5.8000	/	31	0.0000
33	0.0000	-6.4000 /	34	0.0000	-6.6000	/	35	0.0000
37	0.0000	-7.2000 /	38	0.0000	-7.4000	/	39	0.0000
41	0.0000	-8.0000 /	42	0.0000	-8.2000	/	43	0.0000
45	0.0000	-8.8000 /	46	0.0000	-9.0000	/		

ELEMENT GROUP NO. 1

0_L :
 5 46 0 1 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

2D PLASTIC SOIL

element group behaviour throughout stage analysis

stage status

 1 active
 2 active

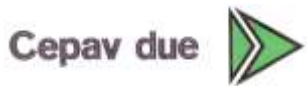
material set no. 1

prop(1) angle 0.00000
 prop(2) layer as foreseen 1.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000

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30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.1000	0.000	0.000	0.000	1.000

ELEMENT GROUP NO. 2

0_R :
5 46 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

.....
.....2D PLASTIC SOIL
.....

element group behaviour throughout stage analysis

stage status

1 active
2 active

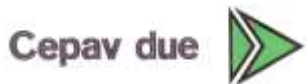
material set no. 1

prop(1) angle 180.000
prop(2) layer as foreseen 1.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000

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39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_33 :

2 45 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0

.....2D WALL ELEMENT.....

element group behaviour throughout stage analysis

stage status

1 active

2 active

material set no. 1

prop(1) young modulus 0.210000E+09

prop(2) modification time 0.00000

prop(3) new young modulus 0.00000

prop(4) poisson ratio 0.00000

prop(5) future0.140100E-43

no. of step variable items: 1

step inertia multiplier

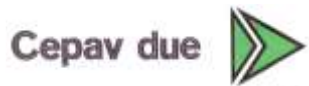
1 1.000

2 1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.1202	0.000	0.000
2	2	3	1	0.000	0.000	0.1202	0.000	0.000
3	3	4	1	0.000	0.000	0.1202	0.000	0.000
4	4	5	1	0.000	0.000	0.1202	0.000	0.000
5	5	6	1	0.000	0.000	0.1202	0.000	0.000
6	6	7	1	0.000	0.000	0.1202	0.000	0.000
7	7	8	1	0.000	0.000	0.1202	0.000	0.000
8	8	9	1	0.000	0.000	0.1202	0.000	0.000
9	9	10	1	0.000	0.000	0.1202	0.000	0.000
10	10	11	1	0.000	0.000	0.1202	0.000	0.000
11	11	12	1	0.000	0.000	0.1202	0.000	0.000
12	12	13	1	0.000	0.000	0.1202	0.000	0.000
13	13	14	1	0.000	0.000	0.1202	0.000	0.000
14	14	15	1	0.000	0.000	0.1202	0.000	0.000
15	15	16	1	0.000	0.000	0.1202	0.000	0.000
16	16	17	1	0.000	0.000	0.1202	0.000	0.000
17	17	18	1	0.000	0.000	0.1202	0.000	0.000
18	18	19	1	0.000	0.000	0.1202	0.000	0.000
19	19	20	1	0.000	0.000	0.1202	0.000	0.000
20	20	21	1	0.000	0.000	0.1202	0.000	0.000
21	21	22	1	0.000	0.000	0.1202	0.000	0.000
22	22	23	1	0.000	0.000	0.1202	0.000	0.000
23	23	24	1	0.000	0.000	0.1202	0.000	0.000
24	24	25	1	0.000	0.000	0.1202	0.000	0.000
25	25	26	1	0.000	0.000	0.1202	0.000	0.000
26	26	27	1	0.000	0.000	0.1202	0.000	0.000
27	27	28	1	0.000	0.000	0.1202	0.000	0.000
28	28	29	1	0.000	0.000	0.1202	0.000	0.000
29	29	30	1	0.000	0.000	0.1202	0.000	0.000
30	30	31	1	0.000	0.000	0.1202	0.000	0.000
31	31	32	1	0.000	0.000	0.1202	0.000	0.000
32	32	33	1	0.000	0.000	0.1202	0.000	0.000
33	33	34	1	0.000	0.000	0.1202	0.000	0.000
34	34	35	1	0.000	0.000	0.1202	0.000	0.000
35	35	36	1	0.000	0.000	0.1202	0.000	0.000
36	36	37	1	0.000	0.000	0.1202	0.000	0.000
37	37	38	1	0.000	0.000	0.1202	0.000	0.000
38	38	39	1	0.000	0.000	0.1202	0.000	0.000
39	39	40	1	0.000	0.000	0.1202	0.000	0.000

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40	40	41	1	0.000	0.000	0.1202	0.000	0.000
41	41	42	1	0.000	0.000	0.1202	0.000	0.000
42	42	43	1	0.000	0.000	0.1202	0.000	0.000
43	43	44	1	0.000	0.000	0.1202	0.000	0.000
44	44	45	1	0.000	0.000	0.1202	0.000	0.000
45	45	46	1	0.000	0.000	0.1202	0.000	0.000

NO. OF NODAL LOADS (NLOAD) 0
 NO. OF LOAD CURVES (NLCUR) 4
 MAXIMUM POINTS/LCURVE (NPTM) 5

L O A D D A T A

LOAD FUNCTION NUMBER = 1
 NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
3.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
 NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
3.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
 NUMBER OF TIME POINTS = 4

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
3.00000	0.1000E+01

LOAD FUNCTION NUMBER = 4
 NUMBER OF TIME POINTS = 4

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
3.00000	0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS 0

L O A D B A L A N C E

STEP	1	TOTAL APPLIED LOAD IN DIR.	2	Y-DISPL.F	0.0000000
STEP	1	TOTAL APPLIED LOAD IN DIR.	4	X-ROT. F	0.0000000
STEP	2	TOTAL APPLIED LOAD IN DIR.	2	Y-DISPL.F	0.0000000
STEP	2	TOTAL APPLIED LOAD IN DIR.	4	X-ROT. F	0.0000000

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LOAD INPUT SECTION COMPLETED

NO. OF LAYERS 1
 NO. OF DATA PER LAYER..... 100

LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO.	1	NAME	= 8.0000	(BOTH WALLS)	
ITEM NO.	2	NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	3	LEVEL	= 7.0000	(BOTH WALLS)	
ITEM NO.	4	WALL	= 1.0000	(BOTH WALLS)	
ITEM NO.	5	GAMMAD	= 19.000	(BOTH WALLS)	
ITEM NO.	6	GAMMAB	= 9.0000	(BOTH WALLS)	
ITEM NO.	7	GAMMAW	= 10.000	(BOTH WALLS)	
ITEM NO.	9	U-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	10	U-KA	= 0.22500	WALL NO.	1
ITEM NO.	11	U-KP	= 6.2890	WALL NO.	1
ITEM NO.	12	K0-NC	= 0.50000	(BOTH WALLS)	
ITEM NO.	13	NEXP	= 1.0000	(BOTH WALLS)	
ITEM NO.	14	OCR	= 4.0000	(BOTH WALLS)	
ITEM NO.	16	MODEL	= 1.0000	(BOTH WALLS)	
ITEM NO.	17	EVC	= 47000.	(BOTH WALLS)	
ITEM NO.	18	EUR	= 75150.	(BOTH WALLS)	
ITEM NO.	27	U-PERM	= 0.10000E-05	(BOTH WALLS)	
ITEM NO.	52	D-NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	53	D-LEVEL	= 0.0000	(BOTH WALLS)	
ITEM NO.	59	D-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	60	D-KA	= 0.22500	WALL NO.	1
ITEM NO.	61	D-KP	= 6.2890	WALL NO.	1
ITEM NO.	77	D-PERM	= 0.10000E-05	(BOTH WALLS)	

LAYER DESCRIPTORS FOR STEP NO. 2

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 2

ITEM NO.	1	NAME	= 8.0000	(BOTH WALLS)	
ITEM NO.	2	NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	3	LEVEL	= 7.0000	(BOTH WALLS)	
ITEM NO.	4	WALL	= 1.0000	(BOTH WALLS)	
ITEM NO.	5	GAMMAD	= 19.000	(BOTH WALLS)	
ITEM NO.	6	GAMMAB	= 9.0000	(BOTH WALLS)	
ITEM NO.	7	GAMMAW	= 10.000	(BOTH WALLS)	
ITEM NO.	9	U-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	10	U-KA	= 0.22500	WALL NO.	1
ITEM NO.	11	U-KP	= 6.2890	WALL NO.	1
ITEM NO.	12	K0-NC	= 0.50000	(BOTH WALLS)	
ITEM NO.	13	NEXP	= 1.0000	(BOTH WALLS)	
ITEM NO.	14	OCR	= 4.0000	(BOTH WALLS)	
ITEM NO.	16	MODEL	= 1.0000	(BOTH WALLS)	
ITEM NO.	17	EVC	= 47000.	(BOTH WALLS)	
ITEM NO.	18	EUR	= 75150.	(BOTH WALLS)	
ITEM NO.	27	U-PERM	= 0.10000E-05	(BOTH WALLS)	
ITEM NO.	52	D-NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	53	D-LEVEL	= 0.0000	(BOTH WALLS)	
ITEM NO.	59	D-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	60	D-KA	= 0.22500	WALL NO.	1
ITEM NO.	61	D-KP	= 6.2890	WALL NO.	1
ITEM NO.	77	D-PERM	= 0.10000E-05	(BOTH WALLS)	

DEFAULT WATER UNIT WEIGHT = 10.000
 AVERAGED ON 2 VALUES

PHASE DESCRIPTORS

STEP NO. 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-20.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30

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ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-9.000	-9.000
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB._FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

=====end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.400	0.000
Z-WATER_TABLE	-20.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-9.000	-9.000
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB._FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

=====end of step 2

LEFT-HAND WALL

LOWER LEVEL	-9.00000
UPPER LEVEL	0.00000

RIGHT-HAND WALL

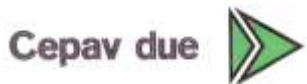
LOWER LEVEL	-9.00000
UPPER LEVEL	0.00000

INITIAL STRESS TABLES

SECTION

NUMBER OF DEFINED TABLES 91

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INPUT DATA FOR INITIAL STRESS SET NO. 1
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.950000000000000
FOUNDATION WIDTH (B) 7.550000000000000
ZETA-F..... 3.650000000000000
Q-F 40.000000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 2
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.000000000000000E+000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 2.579000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 3
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 7.736000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 4
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 12.890000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 5
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

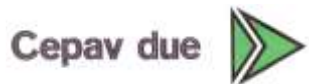
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 18.050000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 6
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000

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END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 23.2100000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 7
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 28.3600000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 8
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 33.5200000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 9
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 10
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

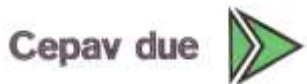
INPUT DATA FOR INITIAL STRESS SET NO. 11
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.6000000000000000

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FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 37.0600000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 12
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 41.6400000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 13
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 46.5700000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 14
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 51.4900000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 15
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 56.4200000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

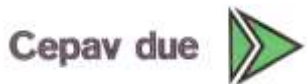
INPUT DATA FOR INITIAL STRESS SET NO. 16
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 61.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 17
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 66.2700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 18
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3100000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 19
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 20
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 21
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 22
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 23
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 24
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 25
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 26
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

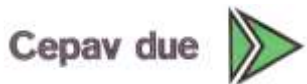
HORIZONTAL DISTANCE (DY) 9.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 27
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

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HORIZONTAL DISTANCE (DY) 10.00000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 28
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.40000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 29
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.80000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 30
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.20000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 31
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.60000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 32
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.00000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000

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BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 33
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.4000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 34
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.8000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 35
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.2000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 36
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

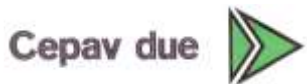
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.6000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 37
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.0000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 38
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.400000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.350000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 39
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.800000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.350000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 40
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.200000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 66.980000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 41
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.600000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 62.230000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 42
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

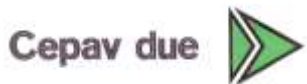
HORIZONTAL DISTANCE (DY) 16.000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 57.470000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 43
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

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HORIZONTAL DISTANCE (DY) 16.4000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 52.7300000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 44
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.8000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 47.9700000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 45
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.2000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 43.2300000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 46
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.6000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 38.4700000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 47
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.000000000000000E+000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 2.579000000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

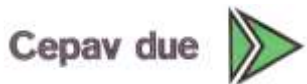
INPUT DATA FOR INITIAL STRESS SET NO. 48
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 7.736000000000000

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BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 49
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 12.890000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 50
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 18.050000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 51
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 23.210000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 52
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 28.360000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 53
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 33.520000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 54

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PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 55
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 56
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 37.0600000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 57
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 41.6400000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

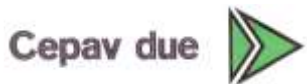
INPUT DATA FOR INITIAL STRESS SET NO. 58
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 46.5700000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 59
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

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TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 51.4900000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 60
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 56.4200000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 61
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 61.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 62
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 66.2700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 63
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3100000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

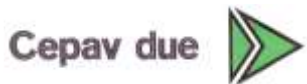
INPUT DATA FOR INITIAL STRESS SET NO. 64
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000

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Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 65
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.200000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 66
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.600000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 67
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.000000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 68
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

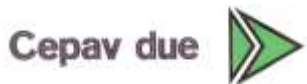
INPUT DATA FOR INITIAL STRESS SET NO. 69
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.800000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 70
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 71
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 72
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 73
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 74
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

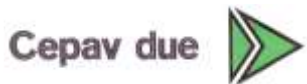
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 75
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

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TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.20000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 76
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.60000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 77
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.00000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 78
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.40000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 79
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.80000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

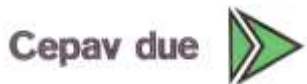
INPUT DATA FOR INITIAL STRESS SET NO. 80
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.20000000000000
FOUNDATION WIDTH (B) 0.400000000000000

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ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 81
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.6000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 82
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.0000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 83
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.4000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 84
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.8000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 85
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.2000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 66.9800000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 86
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.6000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 62.2300000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 87
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.0000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 57.4700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 88
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.4000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 52.7300000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 89
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.8000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 47.9700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 90
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.2000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 43.2300000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 91
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000

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END TIME (TIME BEYOND WHICH IT IS REMOVED)      2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY)          17.60000000000000
FOUNDATION WIDTH (B)              0.4000000000000000
ZETA-F.....                     0.000000000000000E+000
Q-F .....                         38.47000000000000
BETA .....                        45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
POSITION      2353

NO. OF D.P.W FOR THIS AREA      5424
MAX NO. OF D.P.W. AVAILABLE     81920
** MAX NO OF ITERATIONS SET TO   100

ITER      0 RNORM = 0.000      RMNORM= 0.000
          RINORM=0.1666E+06 RIMNOR= 0.000
          RENORM=0.5214E-27 REMNOR= 0.000      RATIO =0.5595E-16 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 70.46      RMMAX = 0.000
          RTSMAL=0.1000E-03 RMSMAL= 0.000
          RDT =0.1666E+06 RDR = 0.000
          RATIOT=0.5595E-16 RATOR= 0.000
          MAX UN=0.7105E-14 IEQ= 57 NODE      29 DOF 1 Y-DISPL.F
          MIN UN=-.1421E-13 IEQ= 61 NODE      31 DOF 1 Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0

ITER      1 RNORM = 0.000      RMNORM= 0.000
          RINORM=0.1666E+06 RIMNOR= 0.000
          RENORM=0.3894E-28 REMNOR=0.7312E-55 RATIO =0.1529E-16 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 70.46      RMMAX = 0.000
          RTSMAL=0.1000E-03 RMSMAL= 0.000
          RDT =0.1666E+06 RDR = 0.000
          RATIOT=0.1529E-16 RATOR= 0.000
          MAX UN=0.1043E-14 IEQ= 27 NODE      14 DOF 1 Y-DISPL.F
          MIN UN=-.1954E-14 IEQ= 61 NODE      31 DOF 1 Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0

ITER      2 RNORM = 0.000      RMNORM= 0.000
          RINORM=0.1666E+06 RIMNOR= 0.000
          RENORM=0.3224E-28 REMNOR=0.1925E-54 RATIO =0.1391E-16 TOLER =0.1000E-03      CONVERGED !
          RFMAX = 70.46      RMMAX = 0.000
          RTSMAL=0.1000E-03 RMSMAL= 0.000
          RDT =0.1666E+06 RDR = 0.000
          RATIOT=0.1391E-16 RATOR= 0.000
          MAX UN=0.8727E-15 IEQ= 23 NODE      12 DOF 1 Y-DISPL.F
          MIN UN=-.1536E-14 IEQ= 63 NODE      32 DOF 1 Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0

SOLUTION REACHED USING      2 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 1      ( AT TIME 1.000 )

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

          Y-DISPL.F      X-ROT. F
          (02)      (04)      (

ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS

S T R E S S      R E S U L T S      F O R      G R O U P      N O.      1

0_L      :
ELEMENT TYPE      5 NO.OF ELEMENTS. IN THIS GROUP      46
C U R R E N T      T I M E      I S      1.0000

HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

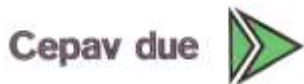
EL * FORCE      DISPL-Y VERTICAL-P HORIZON.-P      MAX-V-P      MAX-H-P      STATE      STIFFNESS Z-LEVEL      PORE      E FACTOR      UFACTOR
Peq      Su_a      Su_p      LAYER

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1	D	0.5245	-1.2278E-20	3.369	5.245	3.369	5.245	V-C	7.6869E+04	0.000	0.000	1.000	1.000
5.245		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2	D	3.694	-1.9023E-20	6.654	18.47	15.20	18.47	V-C	7.6869E+04	-0.2000	0.000	1.000	1.000
18.47		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3	D	5.879	-2.5735E-20	11.27	29.40	30.40	29.40	V-C	7.6869E+04	-0.4000	0.000	1.000	1.000
29.40		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4	D	7.899	-3.2328E-20	16.13	39.49	45.60	39.49	V-C	7.6869E+04	-0.6000	0.000	1.000	1.000
39.49		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5	D	9.809	-3.8666E-20	21.33	49.04	60.80	49.04	V-C	7.6869E+04	-0.8000	0.000	1.000	1.000
49.04		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6	D	11.64	-4.4740E-20	26.13	58.20	76.00	58.20	V-C	7.6869E+04	-1.000	0.000	1.000	1.000
58.20		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7	D	13.41	-5.0768E-20	31.42	67.06	91.20	67.06	V-C	7.6869E+04	-1.200	0.000	1.000	1.000
67.06		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8	D	15.14	-5.6892E-20	36.15	75.68	106.4	75.68	V-C	7.6869E+04	-1.400	0.000	1.000	1.000
75.68		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9	D	16.82	-6.3091E-20	41.45	84.11	121.6	84.11	V-C	7.6869E+04	-1.600	0.000	1.000	1.000
84.11		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10	D	18.47	-6.9154E-20	46.11	92.37	136.8	92.37	V-C	7.6869E+04	-1.800	0.000	1.000	1.000
92.37		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11	D	20.10	-7.4671E-20	51.40	100.5	152.0	100.5	V-C	7.6869E+04	-2.000	0.000	1.000	1.000
100.5		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12	D	21.71	-7.9015E-20	56.00	108.5	167.2	108.5	V-C	7.6869E+04	-2.200	0.000	1.000	1.000
108.5		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13	D	23.29	-8.1336E-20	61.25	116.4	182.4	116.4	V-C	7.6869E+04	-2.400	0.000	1.000	1.000
116.4		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14	D	24.86	-8.0711E-20	65.81	124.3	197.6	124.3	V-C	7.6869E+04	-2.600	0.000	1.000	1.000
124.3		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15	D	26.41	-7.6612E-20	71.03	132.0	212.8	132.0	V-C	7.6869E+04	-2.800	0.000	1.000	1.000
132.0		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16	D	27.94	-6.8759E-20	75.50	139.7	228.0	139.7	V-C	7.6869E+04	-3.000	0.000	1.000	1.000
139.7		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17	D	29.47	-5.7911E-20	80.61	147.4	243.2	147.4	V-C	7.6869E+04	-3.200	0.000	1.000	1.000
147.4		0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18	D	30.99	-4.4953E-20	85.01	154.9	258.4							

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43 D	67.56	-4.8158E-21	201.0	337.8	638.4	337.8	V-C	7.6869E+04	-8.400	0.000	1.000	1.000
337.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	69.01	-1.7007E-20	205.2	345.1	653.6	345.1	V-C	7.6869E+04	-8.600	0.000	1.000	1.000
345.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.46	-2.8952E-20	209.7	352.3	668.8	352.3	V-C	7.6869E+04	-8.800	0.000	1.000	1.000
352.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.96	-4.0811E-20	213.8	359.6	684.0	359.6	V-C	7.6869E+04	-9.000	0.000	1.000	1.000
359.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

STRESS RESULTS FOR GROUP NO. 2

O_R :

ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 46

CURRENT TIME IS 1.0000

HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									

1 D	0.5245	1.2278E-20	0.000	5.245	0.000	5.245	V-C	3.9913E+04	0.000	0.000	1.000	1.000
5.245	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2 D	3.694	1.9023E-20	3.800	18.47	15.20	18.47	V-C	3.9913E+04	-0.2000	0.000	1.000	1.000
18.47	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3 D	5.879	2.5735E-20	7.600	29.40	30.40	29.40	V-C	3.9913E+04	-0.4000	0.000	1.000	1.000
29.40	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4 D	7.899	3.2328E-20	11.40	39.49	45.60	39.49	V-C	3.9913E+04	-0.6000	0.000	1.000	1.000
39.49	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5 D	9.809	3.8666E-20	15.20	49.04	60.80	49.04	V-C	3.9913E+04	-0.8000	0.000	1.000	1.000
49.04	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6 D	11.64	4.4740E-20	19.00	58.20	76.00	58.20	V-C	3.9913E+04	-1.000	0.000	1.000	1.000
58.20	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7 D	13.41	5.0768E-20	22.80	67.06	91.20	67.06	V-C	3.9913E+04	-1.200	0.000	1.000	1.000
67.06	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8 D	15.14	5.6892E-20	26.60	75.68	106.4	75.68	V-C	3.9913E+04	-1.400	0.000	1.000	1.000
75.68	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9 D	16.82	6.3091E-20	30.40	84.11	121.6	84.11	V-C	3.9913E+04	-1.600	0.000	1.000	1.000
84.11	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	18.47	6.9154E-20	34.20	92.37	136.8	92.37	V-C	3.9913E+04	-1.800	0.000	1.000	1.000
92.37	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	20.10	7.4671E-20	38.00	100.5	152.0	100.5	V-C	3.9913E+04	-2.000	0.000	1.000	1.000
100.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	21.71	7.9015E-20	41.80	108.5	167.2	108.5	V-C	3.9913E+04	-2.200	0.000	1.000	1.000
108.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	23.29	8.1336E-20	45.60	116.4	182.4	116.4	V-C	3.9913E+04	-2.400	0.000	1.000	1.000
116.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	24.86	8.0711E-20	49.40	124.3	197.6	124.3	V-C	3.9913E+04	-2.600	0.000	1.000	1.000
124.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	26.41	7.6612E-20	53.20	132.0	212.8	132.0	V-C	3.9913E+04	-2.800	0.000	1.000	1.000
132.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	27.94	6.8759E-20	57.00	139.7	228.0	139.7	V-C	3.9913E+04	-3.000	0.000	1.000	1.000
139.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	29.47	5.7911E-20	60.80	147.4	243.2	147.4	V-C	3.9913E+04	-3.200	0.000	1.000	1.000
147.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	30.99	4.4953E-20	64.60	154.9	258.4	154.9	V-C	3.9913E+04	-3.400	0.000	1.000	1.000
154.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	32.49	3.0612E-20	68.40	162.5	273.6	162.5	V-C	3.9913E+04	-3.600	0.000	1.000	1.000
162.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	33.99	1.5489E-20	72.20	170.0	288.8	170.0	V-C	3.9913E+04	-3.800	0.000	1.000	1.000
170.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	35.49	9.9378E-23	76.00	177.4	304.0	177.4	V-C	3.9913E+04	-4.000	0.000	1.000	1.000
177.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	36.97	-1.5086E-20	79.80	184.9	319.2	184.9	V-C	3.9913E+04	-4.200	0.000	1.000	1.000
184.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	38.45	-2.9902E-20	83.60	192.3	334.4	192.3	V-C	3.9913E+04	-4.400	0.000	1.000	1.000
192.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	39.93	-4.5379E-20	87.40	199.6	349.6	199.6	V-C	3.9913E+04	-4.600	0.000	1.000	1.000
199.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	41.40	-6.2441E-20	91.20	207.0	364.8	207.0	V-C	3.9913E+04	-4.800	0.000	1.000	1.000
207.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
26 D	42.86	-8.0611E-20	95.00	214.3	380.0	214.3	V-C	3.9913E+04	-5.000	0.000	1.000	1.000
214.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
27 D	44.33	-9.8890E-20	98.80	221.6	395.2	221.6	V-C	3.9913E+04	-5.200	0.000	1.000	1.000
221.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
28 D	45.79	-1.1603E-19	102.6	228.9	410.4	228.9	V-C	3.9913E+04	-5.400	0.000	1.000	1.000
228.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
29 D	47.25	-1.3078E-19	106.4	236.2	425.6	236.2	V-C	3.9913E+04	-5.600	0.000	1.000	1.000
236.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
30 D	48.70	-1.4251E-19	110.2	243.5	440.8	243.5	V-C	3.9913E+04	-5.800	0.000	1.000	1.000

Cepav due

S T R E S S R E S U L T S F O R G R O U P N O . 3

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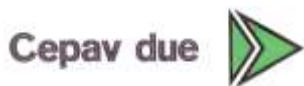
WallElement_33
ELEMENT TYPE      2 NO.OF ELEMENTS. IN THIS GROUP      45
C U R R E N T    T I M E      I S      1.0000

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WALL2D ELEMENT

EL	TA	TB	MA	MB
1	-8.00547E-17	8.00547E-17	7.88861E-30	-1.60109E-17
2	-3.22290E-16	3.22290E-16	1.60109E-17	8.04689E-17
3	-6.46507E-16	6.46507E-16	8.04689E-17	2.09770E-16
4	-1.64026E-16	1.64026E-16	2.09770E-16	2.42575E-16
5	1.12630E-15	-1.12630E-15	2.42575E-16	1.73146E-17
6	5.62099E-16	-5.62099E-16	1.73146E-17	9.51051E-17
7	-7.67076E-17	7.67076E-17	9.51051E-17	7.97636E-17
8	-7.84604E-16	7.84604E-16	7.97636E-17	7.71573E-17
9	-1.55360E-15	1.55360E-15	7.71573E-17	3.87877E-16
10	-2.37269E-15	2.37269E-15	3.87877E-16	8.62415E-16
11	-3.22752E-15	3.22752E-15	8.62415E-16	1.50792E-15
12	-4.10019E-15	4.10019E-15	1.50792E-15	2.32796E-15
13	-1.41685E-15	1.41685E-15	2.32796E-15	-2.61133E-15
14	-2.25910E-15	2.25910E-15	2.61133E-15	3.06315E-15
15	4.05675E-15	-4.05675E-15	3.06315E-15	2.25180E-15
16	3.34588E-15	-3.34588E-15	2.25180E-15	1.58262E-15
17	2.37898E-15	-2.37898E-15	1.58262E-15	-1.03482E-15
18	2.25947E-15	-2.25947E-15	1.03482E-15	-5.82927E-16
19	1.92804E-15	-1.92804E-15	5.82927E-16	-1.97319E-16
20	1.76211E-15	-1.76211E-15	1.97319E-16	1.55101E-16
21	1.77544E-15	-1.77544E-15	1.55101E-16	5.10190E-16
22	-5.12742E-15	5.12742E-15	1.0190E-16	1.55294E-16
23	-4.72971E-15	4.72971E-15	1.55294E-16	1.46124E-15
24	2.97011E-15	-2.97011E-15	1.46124E-15	-8.67215E-16
25	3.75777E-15	-3.75777E-15	8.67215E-16	1.15662E-16
26	4.72956E-14	-4.72956E-14	1.15662E-16	8.30246E-15
27	5.86997E-15	-5.86997E-15	8.30246E-16	2.00424E-15
28	5.13398E-17	-5.13398E-17	2.00424E-15	2.01451E-15
29	8.56118E-15	-8.56118E-15	2.01451E-15	3.72674E-15
30	1.00488E-14	-1.00488E-14	3.72674E-15	5.73649E-15
31	-2.62999E-15	2.62999E-15	5.73649E-15	5.21050E-15
32	-8.19945E-15	8.19945E-15	5.21050E-15	3.57061E-15
33	-6.69984E-15	6.69984E-15	3.57061E-15	2.23064E-15
34	-5.27388E-15	5.27388E-15	2.23064E-15	1.17586E-15
35	-3.95405E-15	3.95405E-15	1.17586E-15	3.85052E-16
36	-2.76676E-15	2.76676E-15	3.85052E-16	1.68296E-16
37	-1.73191E-15	1.73191E-15	1.68296E-16	1.4679E-16

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38-8.63202E-16 8.63202E-16 5.14679E-16-6.87320E-16
39-1.68836E-16 1.68836E-16 6.87320E-16-7.21087E-16
40 3.47309E-16-3.47309E-16 7.21087E-16-6.51625E-16
41 6.84428E-16-6.84428E-16 6.51625E-16-5.14740E-16
42 8.43534E-16-8.43534E-16 5.14740E-16-3.46033E-16
43 8.26365E-16-8.26365E-16 3.46033E-16-1.80760E-16
44 6.34569E-16-6.34569E-16 1.80760E-16-5.38466E-17
45 2.69227E-16-2.69227E-16 5.38466E-17 5.04871E-29

ITER 0 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM= 9274. REMNOR=0.1925E-54 RATIO =0.2462 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1529E+06 RDR =0.1000E-19
RATIOT=0.2462 RATOR= 0.000
MAX UN= 30.99 IEQ= 35 NODE 18 DOF 1 Y-DISPL.F
MIN UN=-.1536E-14 IEQ= 63 NODE 32 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 2 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM= 83.84 REMNOR=0.1020E-21 RATIO =0.2341E-01 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1529E+06 RDR =0.1000E-19
RATIOT=0.2341E-01 RATOR= 0.000
MAX UN= 3.107 IEQ= 3 NODE 2 DOF 1 Y-DISPL.F
MIN UN=-.4991E-10 IEQ= 29 NODE 15 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 3 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM= 484.4 REMNOR=0.1454E-20 RATIO =0.5628E-01 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1529E+06 RDR =0.1000E-19
RATIOT=0.5628E-01 RATOR= 0.000
MAX UN= 17.10 IEQ= 29 NODE 15 DOF 1 Y-DISPL.F
MIN UN=-.1529 IEQ= 89 NODE 45 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 4 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM= 124.8 REMNOR=0.1304E-20 RATIO =0.2856E-01 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1529E+06 RDR =0.1000E-19
RATIOT=0.2856E-01 RATOR= 0.000
MAX UN= 10.39 IEQ= 37 NODE 19 DOF 1 Y-DISPL.F
MIN UN=-.3595 IEQ= 63 NODE 32 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 5 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM= 2.399 REMNOR=0.9027E-21 RATIO =0.3961E-02 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1529E+06 RDR =0.1000E-19
RATIOT=0.3961E-02 RATOR= 0.000
MAX UN= 1.527 IEQ= 41 NODE 21 DOF 1 Y-DISPL.F
MIN UN=-.5195E-01 IEQ= 85 NODE 43 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 6 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM=0.4366E-04 REMNOR=0.2871E-21 RATIO =0.1690E-04 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1529E+06 RDR =0.1000E-19
RATIOT=0.1690E-04 RATOR= 0.000
MAX UN=0.1193E-09 IEQ= 13 NODE 7 DOF 1 Y-DISPL.F
MIN UN=-.6607E-02 IEQ= 61 NODE 31 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

SOLUTION REACHED USING 6 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 2 (AT TIME 2.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)
1	2.9935755E-02	-6.6357030E-03
2	2.8608618E-02	-6.6356531E-03
3	2.7281514E-02	-6.6353064E-03
4	2.5954550E-02	-6.6341320E-03
5	2.4627970E-02	-6.6313186E-03
6	2.3302206E-02	-6.6257565E-03
7	2.1977944E-02	-6.6160402E-03
8	2.0656181E-02	-6.6004653E-03
9	1.9338282E-02	-6.5770308E-03
10	1.8026046E-02	-6.5434388E-03
11	1.6721757E-02	-6.4970962E-03
12	1.5428250E-02	-6.4351155E-03
13	1.4148965E-02	-6.3543162E-03
14	1.2888009E-02	-6.2512259E-03
15	1.1650212E-02	-6.1220819E-03
16	1.0441184E-02	-5.9628321E-03
17	9.2673694E-03	-5.7691365E-03
18	8.1361275E-03	-5.5363740E-03
19	7.0557513E-03	-5.2596395E-03
20	6.0353389E-03	-4.9368974E-03
21	5.0837987E-03	-4.5721304E-03
22	4.2086268E-03	-4.1753345E-03
23	3.4149485E-03	-3.7592855E-03
24	2.7054415E-03	-3.3353029E-03
25	2.0807409E-03	-2.9126156E-03
26	1.5397844E-03	-2.4990914E-03
27	1.0800133E-03	-2.1019665E-03
28	6.9743469E-04	-1.7283232E-03
29	3.8663269E-04	-1.3854500E-03
30	1.4082659E-04	-1.0789983E-03
31	-4.7555210E-05	-8.1132883E-04
32	-1.8628311E-04	-5.8234165E-04
33	-2.8295427E-04	-3.9034774E-04
34	-3.4471260E-04	-2.3270980E-04
35	-3.7811183E-04	-1.0617643E-04
36	-3.8901721E-04	-7.1536362E-06
37	-3.8255672E-04	6.8118327E-05
38	-3.6310112E-04	1.2342205E-04
39	-3.3427549E-04	1.6241192E-04
40	-2.9899606E-04	1.8850611E-04
41	-2.5952582E-04	2.0480858E-04
42	-2.1754291E-04	2.1405689E-04
43	-1.7421745E-04	2.1858939E-04
44	-1.3029352E-04	2.2032628E-04
45	-8.617572E-05	2.2073477E-04
46	-4.2024488E-05	2.2076024E-04

S T R E S S R E S U L T S F O R G R O U P N O . 1

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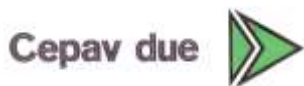
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HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

[illegible]

GENERAL CONTRACTOR



ALTA SORVEGLIANZA



Doc. N.

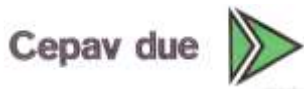
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55 di 128

9 D	1.865	-1.9338E-02	41.45	9.326	121.6	84.11	ACTIVE	0.000	-1.600	0.000	1.000	1.000
9.326	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	2.075	-1.8026E-02	46.11	10.38	136.8	92.37	ACTIVE	0.000	-1.800	0.000	1.000	1.000
10.38	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	2.313	-1.6722E-02	51.40	11.56	152.0	100.5	ACTIVE	0.000	-2.000	0.000	1.000	1.000
11.56	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	2.520	-1.5428E-02	56.00	12.60	167.2	108.5	ACTIVE	0.000	-2.200	0.000	1.000	1.000
12.60	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	2.756	-1.4149E-02	61.25	13.78	182.4	116.4	ACTIVE	0.000	-2.400	0.000	1.000	1.000
13.78	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	2.961	-1.2888E-02	65.81	14.81	197.6	124.3	ACTIVE	0.000	-2.600	0.000	1.000	1.000
14.81	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	3.196	-1.1650E-02	71.03	15.98	212.8	132.0	ACTIVE	0.000	-2.800	0.000	1.000	1.000
15.98	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	3.397	-1.0441E-02	75.50	16.99	228.0	139.7	ACTIVE	0.000	-3.000	0.000	1.000	1.000
16.99	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	3.627	-9.2674E-03	80.61	18.14	243.2	147.4	ACTIVE	0.000	-3.200	0.000	1.000	1.000
18.14	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	3.825	-8.1361E-03	85.01	19.13	258.4	154.9	ACTIVE	0.000	-3.400	0.000	1.000	1.000
19.13	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	4.047	-7.0558E-03	89.94	20.24	273.6	162.5	ACTIVE	0.000	-3.600	0.000	1.000	1.000
20.24	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	4.243	-6.0353E-03	94.28	21.21	288.8	170.0	ACTIVE	0.000	-3.800	0.000	1.000	1.000
21.21	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	4.460	-5.0838E-03	99.12	22.30	304.0	177.4	ACTIVE	0.000	-4.000	0.000	1.000	1.000
22.30	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	9.586	-4.2086E-03	103.4	47.93	319.2	184.9	UL-RL	3.2535E+04	-4.200	0.000	1.000	1.000
47.93	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	16.23	-3.4149E-03	108.3	81.15	334.4	192.3	UL-RL	3.2535E+04	-4.400	0.000	1.000	1.000
81.15	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	22.32	-2.7054E-03	112.6	111.6	349.6	199.6	UL-RL	3.2535E+04	-4.600	0.000	1.000	1.000
111.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	27.86	-2.0807E-03	117.4	139.3	364.8	207.0	UL-RL	3.2535E+04	-4.800	0.000	1.000	1.000
139.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
26 D	32.84	-1.5398E-03	122.0	164.2	380.0	214.3	UL-RL	3.2535E+04	-5.000	0.000	1.000	1.000
164.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
27 D	37.30	-1.0800E-03	127.2	186.5	395.2	221.6	UL-RL	3.2535E+04	-5.200	0.000	1.000	1.000
186.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
28 D	41.25	-6.9743E-04	131.6	206.2	410.4	228.9	UL-RL	3.2535E+04	-5.400	0.000	1.000	1.000
206.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
29 D	44.73	-3.8663E-04	136.7	223.7	425.6	236.2	UL-RL	3.2535E+04	-5.600	0.000	1.000	1.000
223.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
30 D	47.79	-1.4083E-04	141.3	238.9	440.8	243.5	UL-RL	3.2535E+04	-5.800	0.000	1.000	1.000
238.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
31 D	50.34	4.7552E-05	146.2	251.7	456.0	251.8	UL-RL	3.2535E+04	-6.000	0.000	1.000	1.000
251.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
32 D	52.37	1.8628E-04	150.7	261.8	471.2	261.8	V-C	2.0348E+04	-6.200	0.000	1.000	1.000
261.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
33 D	54.21	2.8295E-04	155.8	271.1	486.4	271.1	V-C	2.0348E+04	-6.400	0.000	1.000	1.000
271.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
34 D	55.92	3.4471E-04	160.1	279.6	501.6	279.6	V-C	2.0348E+04	-6.600	0.000	1.000	1.000
279.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
35 D	57.50	3.7811E-04	165.1	287.5	516.8	287.5	V-C	2.0348E+04	-6.800	0.000	1.000	1.000
287.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
36 D	59.00	3.8902E-04	169.5	295.0	532.0	295.0	V-C	2.0348E+04	-7.000	0.000	1.000	1.000
295.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
37 D	60.42	3.8256E-04	174.3	302.1	547.2	302.1	V-C	2.0348E+04	-7.200	0.000	1.000	1.000
302.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
38 D	61.79	3.6310E-04	178.6	309.0	562.4	309.0	V-C	2.0348E+04	-7.400	0.000	1.000	1.000
309.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
39 D	63.12	3.3428E-04	183.3	315.6	577.6	315.6	V-C	2.0348E+04	-7.600	0.000	1.000	1.000
315.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
40 D	64.43	2.9900E-04	187.5	322.1	592.8	322.1	V-C	2.0348E+04	-7.800	0.000	1.000	1.000
322.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
41 D	65.72	2.5953E-04	192.3	328.6	608.0	328.6	V-C	2.0348E+04	-8.000	0.000	1.000	1.000
328.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
42 D	67.00	2.1754E-04	196.3	335.0	623.2	335.0	V-C	2.0348E+04	-8.200	0.000	1.000	1.000
335.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
43 D	68.27	1.7422E-04	201.0	341.4	638.4	341.4	V-C	2.0348E+04	-8.400	0.000	1.000	1.000
341.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	69.50	1.3029E-04	205.2	347.5	653.6	348.0	UL-RL	3.2535E+04	-8.600	0.000	1.000	1.000
347.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.68	8.6176E-05	209.7	353.4	668.8	355.2	UL-RL	3.2535E+04	-8.800	0.000	1.000	1.000
353.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.93	4.2024E-05	213.8	359.3	684.0	362.4	UL-RL	3.2535E+04	-9.000	0.000	1.000	1.000
359.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

S T R E S S R E S U L T S F O R G R O U P N O . 2

0_R :
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 46

GENERAL CONTRACTOR



ALTA SORVEGLIANZA



Doc. N.

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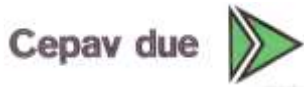
HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									

1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18 D	2.3898E-05	8.1361E-03	1.9000E-05	1.1949E-04	258.4	154.9	PASSIVE	0.000	-3.400	0.000	1.000	1.000
1.1949E-04	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	4.780	7.0558E-03	3.800	23.90	273.6	162.5	PASSIVE	0.000	-3.600	0.000	1.000	1.000
23.90	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	9.559	6.0353E-03	7.600	47.80	288.8	170.0	PASSIVE	0.000	-3.800	0.000	1.000	1.000
47.80	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	14.34	5.0838E-03	11.40	71.69	304.0	177.4	PASSIVE	0.000	-4.000	0.000	1.000	1.000
71.69	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	19.12	4.2086E-03	15.20	95.59	319.2	184.9	PASSIVE	0.000	-4.200	0.000	1.000	1.000
95.59	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	23.90	3.4149E-03	19.00	119.5	334.4	192.3	PASSIVE	0.000	-4.400	0.000	1.000	1.000
119.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	28.68	2.7054E-03	22.80	143.4	349.6	199.6	PASSIVE	0.000	-4.600	0.000	1.000	1.000
143.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	33.46	2.0807E-03	26.60	167.3	364.8	207.0	PASSIVE	0.000	-4.800	0.000	1.000	1.000
167.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
26 D	38.24	1.5398E-03	30.40	191.2	380.0	214.3	PASSIVE	0.000	-5.000	0.000	1.000	1.000
191.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
27 D	42.68	1.0800E-03	34.20	213.4	395.2	221.6	UL-RL	1.6893E+04	-5.200	0.000	1.000	1.000
213.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
28 D	46.95	6.9743E-04	38.00	234.7	410.4	238.9	UL-RL	1.6893E+04	-5.400	0.000	1.000	1.000
234.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
29 D	47.62	3.8663E-04	41.80	238.1	425.6	244.0	UL-RL	1.6893E+04	-5.600	0.000	1.000	1.000
238.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
30 D	48.48	1.4083E-04	45.60	242.4	440.8	249.3	UL-RL	1.6893E+04	-5.800	0.000	1.000	1.000
242.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
31 D	49.50	-4.7552E-05	49.40	247.5	456.0	254.9	UL-RL	1.6893E+04	-6.000	0.000	1.000	1.000
247.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
32 D	50.65	-1.8628E-04	53.20	253.3	471.2	260.8	UL-RL	1.6893E+04	-6.200	0.000	1.000	1.000
253.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
33 D	51.92	-2.8295E-04	57.00	259.6	486.4	266.9	UL-RL	1.6893E+04	-6.400	0.000	1.000	1.000
259.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
34 D	53.27	-3.4471E-04	60.80	266.4	501.6	273.2	UL-RL	1.6893E+04	-6.600	0.000	1.000	1.000
266.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
35 D	54.69	-3.7811E-04	64.60	273.4	516.8	279.8	UL-RL	1.6893E+04	-6.800	0.000	1.000	1.000
273.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
36 D	56.10	-3.8902E-04	68.40	280.5	532.0	287.1	UL-RL	1.6893E+04	-7.000	0.000	1.000	1.000
280.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
37 D	57.57	-3.8256E-04	72.20	287.9	547.2	294.3	UL-RL	1.6893E+04	-7.200	0.000	1.000	1.000
287.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
38 D	59.09	-3.6310E-04	76.00	295.4	562.4	301.6	UL-RL	1.6893E+04	-7.400	0.000	1.000	1.000

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295.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
39 D	60.63	-3.3428E-04	79.80	303.2	577.6	308.8	UL-RL	1.6893E+04	-7.600	0.000	1.000	1.000
303.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
40 D	62.20	-2.9900E-04	83.60	311.0	592.8	316.1	UL-RL	1.6893E+04	-7.800	0.000	1.000	1.000
311.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
41 D	63.78	-2.5953E-04	87.40	318.9	608.0	323.3	UL-RL	1.6893E+04	-8.000	0.000	1.000	1.000
318.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
42 D	65.38	-2.1754E-04	91.20	326.9	623.2	330.6	UL-RL	1.6893E+04	-8.200	0.000	1.000	1.000
326.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
43 D	66.97	-1.7422E-04	95.00	334.9	638.4	337.8	UL-RL	1.6893E+04	-8.400	0.000	1.000	1.000
334.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	68.57	-1.3029E-04	98.80	342.9	653.6	345.1	UL-RL	1.6893E+04	-8.600	0.000	1.000	1.000
342.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.17	-8.6176E-05	102.6	350.9	668.8	352.3	UL-RL	1.6893E+04	-8.800	0.000	1.000	1.000
350.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.89	-4.2024E-05	106.4	358.9	684.0	359.6	UL-RL	1.6893E+04	-9.000	0.000	1.000	1.000
358.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

S T R E S S R E S U L T S F O R G R O U P N O . 3

Wallelement_33 :

ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 45
C U R R E N T T I M E I S 2.0000

WALL2D ELEMENT

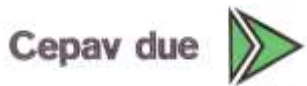
EL	TA	TB	MA	MB
1	7.58088E-02	-7.58088E-02	-4.70379E-12	1.51618E-02
2	0.37526	-0.37526	-1.51618E-02	9.02130E-02
3	0.88235	-0.88235	-9.02130E-02	0.26668
4	1.6084	-1.6084	-0.26668	0.58836
5	2.5684	-2.5684	-0.58836	1.1020
6	3.7443	-3.7443	-1.1020	1.8509
7	5.1582	-5.1582	-1.8509	2.8825
8	6.7850	-6.7850	-2.8825	4.2395
9	8.6502	-8.6502	-4.2395	5.9696
10	10.725	-10.725	-5.9696	8.1146
11	13.038	-13.038	-8.1146	10.722
12	15.558	-15.558	-10.722	13.834
13	18.315	-18.315	-13.834	17.497
14	21.276	-21.276	-17.497	21.752
15	24.472	-24.472	-21.752	26.646
16	27.869	-27.869	-26.646	32.220
17	31.497	-31.497	-32.220	38.520
18	35.322	-35.322	-38.520	45.584
19	34.590	-34.590	-45.584	52.502
20	29.273	-29.273	-52.502	58.357
21	19.395	-19.395	-58.357	62.235
22	9.8619	-9.8619	-62.235	64.208
23	2.1939	-2.1939	-64.208	64.647
24	-4.1621	4.1621	-64.647	63.814
25	-9.7621	9.7621	-63.814	61.862
26	-15.155	15.155	-61.862	58.831
27	-20.530	20.530	-58.831	54.725
28	-26.227	26.227	-54.725	49.479
29	-29.118	29.118	-49.479	43.656
30	-29.814	29.814	-43.656	37.693
31	-28.965	28.965	-37.693	31.900
32	-27.251	27.251	-31.900	26.450
33	-24.955	24.955	-26.450	21.459
34	-22.310	22.310	-21.459	16.997
35	-19.494	19.494	-16.997	13.098
36	-16.597	16.597	-13.098	9.7785
37	-13.747	13.747	-9.7785	7.0291
38	-11.043	11.043	-7.0291	4.8205
39	-8.5531	8.5531	-4.8205	3.1099
40	-6.3261	6.3261	-3.1099	1.8447
41	-4.3932	4.3932	-1.8447	0.96603
42	-2.7729	2.7729	-0.96603	0.41146
43	-1.4753	1.4753	-0.41146	0.11641
44	-0.54333	0.54333	-0.11641	7.74123E-03
45	-3.87054E-02	3.87054E-02	-7.74123E-03	9.10383E-15

F I N A L I N C R E M E N T A L A N A L Y S I S

S U M M A R Y

STEP NO. OF ITERATIONS

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1	CONVERGENCE :YES	2
2	CONVERGENCE :YES	6

END OF PROCESS FOR PROBLEM

New Project

NONLINEAR SOLUTION CPU TIME 0.08 [sec]

DATABASE CREATION CPU TIME..... 0.06 [sec]

Design Assumption : A1+M1+R1 - File di Paratie - File di input

* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A1+M1+R1

* 1: Defining general settings

UNIT m kN

TITLE New Project

DELTA 0.2

option param itemax 100

option control hinges 0 0.0001 0.001

* 2: Defining wall(s)

WALL LeftWall_32 0 -9 0 1

* 3: Defining surfaces for wall(s)

SOIL 0_L LeftWall_32 -9 0 1 0

SOIL 0_R LeftWall_32 -9 0 2 180

* 4: Defining soil layers

*

* Soil Profile (Sabbiaeghiaia_164_165_L_0)

*

LDATA Sabbiaeghiaia_164_165_L_0 7 LeftWall_32

ATREST 0.5 1 4

WEIGHT 19 9 10

PERMEABILITY 1E-06

RESISTANCE 0 36 0 0 0

YOUNG 4.7E+04 7.515E+04

ENDL

* 5: Defining structural materials

* Steel material: 113 Name=S275 E=210000000 kPa

MATERIAL S275_113 2.1E+08

* Concrete material: 104 Name=C25/30 E=31475800 kPa

MATERIAL C2530_104 3.148E+07

* 6: Defining structural elements

* 6.1: Beams and combined Wall Elements

BEAM WallElement_33 LeftWall_32 -9 0 S275_113 0.1202 00 00 0

* 6.2: Supports

* 6.3: Strips

STRIP LeftWall_32 1 2 6.95 7.55 3.65 40 45

* (slope contribution)

STRIP LeftWall_32 1 1 0 0.4 0 2.579 45

STRIP LeftWall_32 1 1 0.4 0.4 0 7.736 45

STRIP LeftWall_32 1 1 0.8 0.4 0 12.89 45

STRIP LeftWall_32 1 1 1.2 0.4 0 18.05 45

STRIP LeftWall_32 1 1 1.6 0.4 0 23.21 45

STRIP LeftWall_32 1 1 2 0.4 0 28.36 45

STRIP LeftWall_32 1 1 2.4 0.4 0 33.52 45

STRIP LeftWall_32 1 1 2.8 0.4 0 36.1 45

STRIP LeftWall_32 1 1 3.2 0.4 0 36.1 45

STRIP LeftWall_32 1 1 3.6 0.4 0 37.06 45

STRIP LeftWall_32 1 1 4 0.4 0 41.64 45

STRIP LeftWall_32 1 1 4.4 0.4 0 46.57 45

STRIP LeftWall_32 1 1 4.8 0.4 0 51.49 45

STRIP LeftWall_32 1 1 5.2 0.4 0 56.42 45

STRIP LeftWall_32 1 1 5.6 0.4 0 61.35 45

STRIP LeftWall_32 1 1 6 0.4 0 66.27 45

STRIP LeftWall_32 1 1 6.4 0.4 0 69.31 45

STRIP LeftWall_32 1 1 6.8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 7.2 0.4 0 69.35 45

STRIP LeftWall_32 1 1 7.6 0.4 0 69.35 45

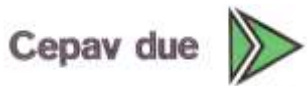
STRIP LeftWall_32 1 1 8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 8.4 0.4 0 69.35 45

STRIP LeftWall_32 1 1 8.8 0.4 0 69.35 45

STRIP LeftWall_32 1 1 9.2 0.4 0 69.35 45

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STRIP LeftWall_32 1 1 9.6 0.4 0 69.35 45
STRIP LeftWall_32 1 1 10 0.4 0 69.35 45
STRIP LeftWall_32 1 1 10.4 0.4 0 69.35 45
STRIP LeftWall_32 1 1 10.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 11.2 0.4 0 69.35 45
STRIP LeftWall_32 1 1 11.6 0.4 0 69.35 45
STRIP LeftWall_32 1 1 12 0.4 0 69.35 45
STRIP LeftWall_32 1 1 12.4 0.4 0 69.35 45
STRIP LeftWall_32 1 1 12.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 13.2 0.4 0 69.35 45
STRIP LeftWall_32 1 1 13.6 0.4 0 69.35 45
STRIP LeftWall_32 1 1 14 0.4 0 69.35 45
STRIP LeftWall_32 1 1 14.4 0.4 0 69.35 45
STRIP LeftWall_32 1 1 14.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 15.2 0.4 0 66.98 45
STRIP LeftWall_32 1 1 15.6 0.4 0 62.23 45
STRIP LeftWall_32 1 1 16 0.4 0 57.47 45
STRIP LeftWall_32 1 1 16.4 0.4 0 52.73 45
STRIP LeftWall_32 1 1 16.8 0.4 0 47.97 45
STRIP LeftWall_32 1 1 17.2 0.4 0 43.23 45
STRIP LeftWall_32 1 1 17.6 0.4 0 38.47 45
STRIP LeftWall_32 2 2 0 0.4 0 2.579 45
STRIP LeftWall_32 2 2 0.4 0.4 0 7.736 45
STRIP LeftWall_32 2 2 0.8 0.4 0 12.89 45
STRIP LeftWall_32 2 2 1.2 0.4 0 18.05 45
STRIP LeftWall_32 2 2 1.6 0.4 0 23.21 45
STRIP LeftWall_32 2 2 2 0.4 0 28.36 45
STRIP LeftWall_32 2 2 2.4 0.4 0 33.52 45
STRIP LeftWall_32 2 2 2.8 0.4 0 36.1 45
STRIP LeftWall_32 2 2 3.2 0.4 0 36.1 45
STRIP LeftWall_32 2 2 3.6 0.4 0 37.06 45
STRIP LeftWall_32 2 2 4 0.4 0 41.64 45
STRIP LeftWall_32 2 2 4.4 0.4 0 46.57 45
STRIP LeftWall_32 2 2 4.8 0.4 0 51.49 45
STRIP LeftWall_32 2 2 5.2 0.4 0 56.42 45
STRIP LeftWall_32 2 2 5.6 0.4 0 61.35 45
STRIP LeftWall_32 2 2 6 0.4 0 66.27 45
STRIP LeftWall_32 2 2 6.4 0.4 0 69.31 45
STRIP LeftWall_32 2 2 6.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 7.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 7.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 9.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 9.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 11.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 11.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 13.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 13.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 15.2 0.4 0 66.98 45
STRIP LeftWall_32 2 2 15.6 0.4 0 62.23 45
STRIP LeftWall_32 2 2 16 0.4 0 57.47 45
STRIP LeftWall_32 2 2 16.4 0.4 0 52.73 45
STRIP LeftWall_32 2 2 16.8 0.4 0 47.97 45
STRIP LeftWall_32 2 2 17.2 0.4 0 43.23 45
STRIP LeftWall_32 2 2 17.6 0.4 0 38.47 45

```

* 7: Defining Steps

STEP Stage1_72626

CHANGE Sabbiaeghiaia_164_165_L_0 U-FRICT=36 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-FRICT=36 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-KA=0.225 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-KP=6.289 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-KA=0.225 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-KP=6.289 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-COHE=0 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-ADHES=0 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-COHE=0 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-ADHES=0 LeftWall_32

SETWALL LeftWall_32

GEOM 0 0

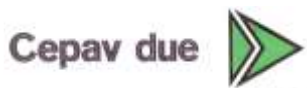
SURCHARGE 0 0 0 0

WATER -20 0 -9 0 0

ADD WallElement_33

ENDSTEP

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STEP Stage2_63336
 SETWALL LeftWall_32
 GEOM 0 -3.4
 SURCHARGE 0 0 0 0
 WATER -20 0 -9 0 0
 ENDSTEP

Design Assumption : A1+M1+R1 - File di Paratie - File di output

```
*****
*
* PARATIE PLUS Non-Linear Spring Engine
*
* AN ELASTOPLASTIC FINITE ELEMENT PROGRAM
* FOR FLEXIBLE EARTH-RETAINING STRUCTURES
*
* Written by Ce.A.S. s.r.l. (ITALY)
* with the scientific supervision of
* Roberto Nova - full professor SOIL MECHANICS
* at Politecnico di Milano (ITALY)
*
*****
*
* RELEASE 2018.0 *Build date:Nov 13, 2017*
*
* Ce.A.S. S.R.L CENTRO DI ANALISI STRUTTURALE
* VIALE GIUSTINIANO 10
* 20129 M I L A N O (ITALIA)
* TEL. +39 02 2020221
*
* email bruno.becci@ceas.it
* Web Page www.ceas.it www.paratieplus.com
*****
```

JOB : NewProject.BaseDesignSection_28.A1M1R1_5888

STARTING

```
ACCEPTED <FILE,GENW >
ACCEPTED <FILE,PLOTTER,BINARY >
ACCEPTED <SOLVE TOTAL STRESS >
ACCEPTED <PARAM ITEM MAX 100 >
ACCEPTED <CONTROL HINGES 0 0.0001 0.001 >
```

```
*****
*
* WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED
* BY THE PROGRAM.
*****
```

PRELIMINARY OPERATIONS CPU TIME 0.01 [sec]

INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM

New Project

```
NO. OF NODAL POINTS (NUMNP) ..... 46
NO. OF COORDINATES (NCOORD) ..... 2
NO. OF NODE DOFS (NDOF) ..... 2
NO. OF EQUATIONS (NEQ) ..... 92
NO. OF CONSTRAINTS CARDS (NVINC) ..... 0
NO. OF ELEMENT GROUPS (NEG) ..... 3
NO. OF SOLUTION STEPS (NSTE) ..... 2
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ... 0
NO. OF RECORD FROM WALGEN ..... 132
NO. OF LONG NAMES (LASTNAME) ..... 11
LENGTH UNIT CHOICE ..... 3 (M )
FORCE UNIT CHOICE ..... 3 (KN )
MAX PORE PRESSURE TABLE LENGTH ..... 1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF . 0
```

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Cepav due



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IDOFA (01) = 2 Y-DISPL.F
IDOFA (02) = 4 X-ROT. F

RELEVANT ITEMS UNITS

STRESSES kPa
Y-DISPLACEMENTS m
ROTATIONS RADIANS
BEAM AND SLAB MOMENTS kN*m/m
BEAM SHEAR FORCES kN/m
ANCHOR FORCES kN/m
AXIAL FORCES IN TRUSSES kN/m
AXIAL FORCES SPRINGS kN/m
Y-REACTIONS kN/m
X-MOMENT REACTIONS kN*m/m
ETC.

N O D A L P O I N T D A T A

NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/	NODE	Y-COORD	Z-COORD	/
1	0.0000	0.0000	/	2	0.0000	-0.20000	/	3	0.0000	-0.40000	/	4	0.0000	-0.60000	/
5	0.0000	-0.80000	/	6	0.0000	-1.0000	/	7	0.0000	-1.2000	/	8	0.0000	-1.4000	/
9	0.0000	-1.6000	/	10	0.0000	-1.8000	/	11	0.0000	-2.0000	/	12	0.0000	-2.2000	/
13	0.0000	-2.4000	/	14	0.0000	-2.6000	/	15	0.0000	-2.8000	/	16	0.0000	-3.0000	/
17	0.0000	-3.2000	/	18	0.0000	-3.4000	/	19	0.0000	-3.6000	/	20	0.0000	-3.8000	/
21	0.0000	-4.0000	/	22	0.0000	-4.2000	/	23	0.0000	-4.4000	/	24	0.0000	-4.6000	/
25	0.0000	-4.8000	/	26	0.0000	-5.0000	/	27	0.0000	-5.2000	/	28	0.0000	-5.4000	/
29	0.0000	-5.6000	/	30	0.0000	-5.8000	/	31	0.0000	-6.0000	/	32	0.0000	-6.2000	/
33	0.0000	-6.4000	/	34	0.0000	-6.6000	/	35	0.0000	-6.8000	/	36	0.0000	-7.0000	/
37	0.0000	-7.2000	/	38	0.0000	-7.4000	/	39	0.0000	-7.6000	/	40	0.0000	-7.8000	/
41	0.0000	-8.0000	/	42	0.0000	-8.2000	/	43	0.0000	-8.4000	/	44	0.0000	-8.6000	/
45	0.0000	-8.8000	/	46	0.0000	-9.0000	/								

ELEMENT GROUP NO. 1

0_L :
5 46 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

.....
.....2D PLASTIC SOIL
.....

element group behaviour throughout stage analysis

stage status

1 active
2 active

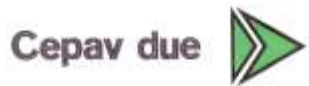
material set no. 1

prop(1) angle 0.00000
prop(2) layer as foreseen 1.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000

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19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.1000	0.000	0.000	0.000	1.000

ELEMENT GROUP NO. 2

0_R :
5 46 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

.....
.....2D PLASTIC SOIL
.....

element group behaviour throughout stage analysis

stage status

1 active
2 active

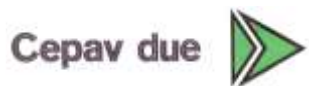
material set no. 1

prop(1) angle 180.000
prop(2) layer as foreseen 1.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000
10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000

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28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_33 :
 2 45 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0

.....
2D WALL ELEMENT.....

element group behaviour throughout stage analysis

stage status

 1 active
 2 active

material set no. 1

prop(1) young modulus 0.210000E+09
 prop(2) modification time 0.00000
 prop(3) new young modulus 0.00000
 prop(4) poisson ratio 0.00000
 prop(5) future0.140100E-43

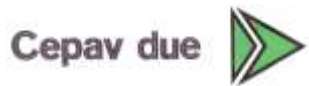
no. of step variable items: 1
 step inertia multiplier

 1 1.000
 2 1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.1202	0.000	0.000
2	2	3	1	0.000	0.000	0.1202	0.000	0.000
3	3	4	1	0.000	0.000	0.1202	0.000	0.000
4	4	5	1	0.000	0.000	0.1202	0.000	0.000
5	5	6	1	0.000	0.000	0.1202	0.000	0.000
6	6	7	1	0.000	0.000	0.1202	0.000	0.000
7	7	8	1	0.000	0.000	0.1202	0.000	0.000
8	8	9	1	0.000	0.000	0.1202	0.000	0.000
9	9	10	1	0.000	0.000	0.1202	0.000	0.000
10	10	11	1	0.000	0.000	0.1202	0.000	0.000
11	11	12	1	0.000	0.000	0.1202	0.000	0.000
12	12	13	1	0.000	0.000	0.1202	0.000	0.000
13	13	14	1	0.000	0.000	0.1202	0.000	0.000
14	14	15	1	0.000	0.000	0.1202	0.000	0.000
15	15	16	1	0.000	0.000	0.1202	0.000	0.000
16	16	17	1	0.000	0.000	0.1202	0.000	0.000
17	17	18	1	0.000	0.000	0.1202	0.000	0.000
18	18	19	1	0.000	0.000	0.1202	0.000	0.000
19	19	20	1	0.000	0.000	0.1202	0.000	0.000
20	20	21	1	0.000	0.000	0.1202	0.000	0.000
21	21	22	1	0.000	0.000	0.1202	0.000	0.000
22	22	23	1	0.000	0.000	0.1202	0.000	0.000
23	23	24	1	0.000	0.000	0.1202	0.000	0.000
24	24	25	1	0.000	0.000	0.1202	0.000	0.000
25	25	26	1	0.000	0.000	0.1202	0.000	0.000
26	26	27	1	0.000	0.000	0.1202	0.000	0.000
27	27	28	1	0.000	0.000	0.1202	0.000	0.000
28	28	29	1	0.000	0.000	0.1202	0.000	0.000

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29	29	30	1	0.000	0.000	0.1202	0.000	0.000
30	30	31	1	0.000	0.000	0.1202	0.000	0.000
31	31	32	1	0.000	0.000	0.1202	0.000	0.000
32	32	33	1	0.000	0.000	0.1202	0.000	0.000
33	33	34	1	0.000	0.000	0.1202	0.000	0.000
34	34	35	1	0.000	0.000	0.1202	0.000	0.000
35	35	36	1	0.000	0.000	0.1202	0.000	0.000
36	36	37	1	0.000	0.000	0.1202	0.000	0.000
37	37	38	1	0.000	0.000	0.1202	0.000	0.000
38	38	39	1	0.000	0.000	0.1202	0.000	0.000
39	39	40	1	0.000	0.000	0.1202	0.000	0.000
40	40	41	1	0.000	0.000	0.1202	0.000	0.000
41	41	42	1	0.000	0.000	0.1202	0.000	0.000
42	42	43	1	0.000	0.000	0.1202	0.000	0.000
43	43	44	1	0.000	0.000	0.1202	0.000	0.000
44	44	45	1	0.000	0.000	0.1202	0.000	0.000
45	45	46	1	0.000	0.000	0.1202	0.000	0.000

NO. OF NODAL LOADS (NLOAD) 0
 NO. OF LOAD CURVES (NLCUR) 4
 MAXIMUM POINTS/LCURVE (NPTM) 5

LOAD DATA

LOAD FUNCTION NUMBER = 1
 NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
3.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
 NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
3.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
 NUMBER OF TIME POINTS = 4

TIME VALUE	FUNCTION
0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
3.00000	0.1000E+01

LOAD FUNCTION NUMBER = 4
 NUMBER OF TIME POINTS = 4

TIME VALUE	FUNCTION
0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
3.00000	0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS 0

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LOAD BALANCE

STEP	1	TOTAL APPLIED LOAD IN DIR.	2	Y-DISPL.F	0.0000000
STEP	1	TOTAL APPLIED LOAD IN DIR.	4	X-ROT. F	0.0000000
STEP	2	TOTAL APPLIED LOAD IN DIR.	2	Y-DISPL.F	0.0000000
STEP	2	TOTAL APPLIED LOAD IN DIR.	4	X-ROT. F	0.0000000

LOAD INPUT SECTION COMPLETED

NO. OF LAYERS 1
 NO. OF DATA PER LAYER..... 100

LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO.	1	NAME	= 8.0000	(BOTH WALLS)	
ITEM NO.	2	NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	3	LEVEL	= 7.0000	(BOTH WALLS)	
ITEM NO.	4	WALL	= 1.0000	(BOTH WALLS)	
ITEM NO.	5	GAMMAD	= 19.000	(BOTH WALLS)	
ITEM NO.	6	GAMMAB	= 9.0000	(BOTH WALLS)	
ITEM NO.	7	GAMMAW	= 10.000	(BOTH WALLS)	
ITEM NO.	9	U-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	10	U-KA	= 0.22500	WALL NO.	1
ITEM NO.	11	U-KP	= 6.2890	WALL NO.	1
ITEM NO.	12	K0-NC	= 0.50000	(BOTH WALLS)	
ITEM NO.	13	NEXP	= 1.0000	(BOTH WALLS)	
ITEM NO.	14	OCR	= 4.0000	(BOTH WALLS)	
ITEM NO.	16	MODEL	= 1.0000	(BOTH WALLS)	
ITEM NO.	17	EVC	= 47000.	(BOTH WALLS)	
ITEM NO.	18	EUR	= 75150.	(BOTH WALLS)	
ITEM NO.	27	U-PERM	= 0.10000E-05	(BOTH WALLS)	
ITEM NO.	52	D-NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	53	D-LEVEL	= 0.0000	(BOTH WALLS)	
ITEM NO.	59	D-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	60	D-KA	= 0.22500	WALL NO.	1
ITEM NO.	61	D-KP	= 6.2890	WALL NO.	1
ITEM NO.	77	D-PERM	= 0.10000E-05	(BOTH WALLS)	

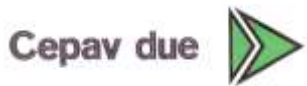
LAYER DESCRIPTORS FOR STEP NO. 2

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 2

ITEM NO.	1	NAME	= 8.0000	(BOTH WALLS)	
ITEM NO.	2	NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	3	LEVEL	= 7.0000	(BOTH WALLS)	
ITEM NO.	4	WALL	= 1.0000	(BOTH WALLS)	
ITEM NO.	5	GAMMAD	= 19.000	(BOTH WALLS)	
ITEM NO.	6	GAMMAB	= 9.0000	(BOTH WALLS)	
ITEM NO.	7	GAMMAW	= 10.000	(BOTH WALLS)	
ITEM NO.	9	U-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	10	U-KA	= 0.22500	WALL NO.	1
ITEM NO.	11	U-KP	= 6.2890	WALL NO.	1
ITEM NO.	12	K0-NC	= 0.50000	(BOTH WALLS)	
ITEM NO.	13	NEXP	= 1.0000	(BOTH WALLS)	
ITEM NO.	14	OCR	= 4.0000	(BOTH WALLS)	
ITEM NO.	16	MODEL	= 1.0000	(BOTH WALLS)	
ITEM NO.	17	EVC	= 47000.	(BOTH WALLS)	
ITEM NO.	18	EUR	= 75150.	(BOTH WALLS)	
ITEM NO.	27	U-PERM	= 0.10000E-05	(BOTH WALLS)	
ITEM NO.	52	D-NATURE	= 1.0000	(BOTH WALLS)	
ITEM NO.	53	D-LEVEL	= 0.0000	(BOTH WALLS)	
ITEM NO.	59	D-FRICT	= 36.000	(BOTH WALLS)	
ITEM NO.	60	D-KA	= 0.22500	WALL NO.	1
ITEM NO.	61	D-KP	= 6.2890	WALL NO.	1
ITEM NO.	77	D-PERM	= 0.10000E-05	(BOTH WALLS)	

DEFAULT WATER UNIT WEIGHT = 10.000

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AVERAGED ON 2 VALUES

PHASE DESCRIPTORS

STEP NO. 1

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-20.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-9.000	-9.000
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB._FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

=====end of step 1

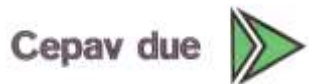
STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.400	0.000
Z-WATER_TABLE	-20.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-9.000	-9.000
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB._FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL.Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

=====end of step 2

LEFT-HAND WALL

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LOWER LEVEL -9.00000
UPPER LEVEL 0.00000

RIGHT-HAND WALL

LOWER LEVEL -9.00000
UPPER LEVEL 0.00000

I N I T I A L S T R E S S T A B L E S

S E C T I O N

NUMBER OF DEFINED TABLES 91

INPUT DATA FOR INITIAL STRESS SET NO. 1
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.950000000000000
FOUNDATION WIDTH (B) 7.550000000000000
ZETA-F..... 3.650000000000000
Q-F 40.000000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 2
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.000000000000000E+000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 2.579000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 3
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 7.736000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 4
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 12.890000000000000
BETA 45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 5
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.2000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 18.0500000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 6
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.6000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 23.2100000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 7
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.0000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 28.3600000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 8
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.4000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 33.5200000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 9
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

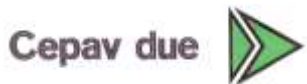
HORIZONTAL DISTANCE (DY) 2.8000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 36.1000000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 10
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

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HORIZONTAL DISTANCE (DY) 3.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 11
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 37.0600000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 12
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 41.6400000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 13
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 46.5700000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 14
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 51.4900000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 15
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 56.4200000000000000
 BETA 45.0000000000000000

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BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 16
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 61.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 17
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 66.2700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 18
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3100000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 19
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

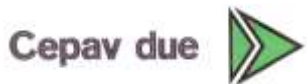
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 20
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 21
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 22
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 23
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 24
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 25
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

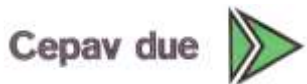
HORIZONTAL DISTANCE (DY) 9.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 26
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

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HORIZONTAL DISTANCE (DY) 9.600000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 27
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.000000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 28
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 29
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.800000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 30
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.200000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

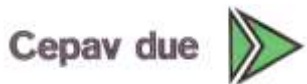
INPUT DATA FOR INITIAL STRESS SET NO. 31
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.600000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000

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BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 32
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.00000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 33
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.40000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 34
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.80000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 35
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.20000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 36
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

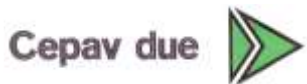
ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.60000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 37

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PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.00000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 38
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.40000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 39
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.80000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 40
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.20000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 66.98000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 41
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

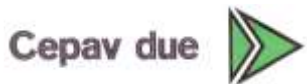
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.60000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 62.23000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 42
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

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TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.00000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 57.47000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 43
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.40000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 52.73000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 44
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.80000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 47.97000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 45
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.20000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 43.23000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 46
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.60000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 38.47000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

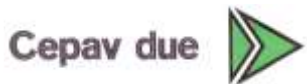
INPUT DATA FOR INITIAL STRESS SET NO. 47
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.0000000000000000E+000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000

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Q-F 2.5790000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 48
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 7.7360000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 49
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 12.8900000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 50
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 18.0500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 51
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 23.2100000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

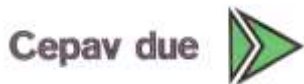
INPUT DATA FOR INITIAL STRESS SET NO. 52
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 28.3600000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 53
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.4000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 33.5200000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 54
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.8000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 36.1000000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 55
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.2000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 36.1000000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 56
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.6000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 37.0600000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 57
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

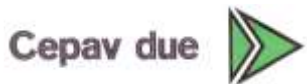
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.0000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 41.6400000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 58
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

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TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 46.5700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 59
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 51.4900000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 60
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 56.4200000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 61
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 61.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 62
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 66.2700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

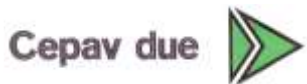
INPUT DATA FOR INITIAL STRESS SET NO. 63
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000

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ZETA-F..... 0.000000000000000E+000
 Q-F 69.3100000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 64
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.80000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 65
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.20000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 66
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.60000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 67
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.00000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

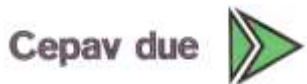
INPUT DATA FOR INITIAL STRESS SET NO. 68
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.40000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 69
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 70
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 71
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 72
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.0000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 73
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

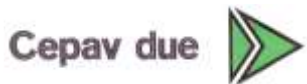
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.4000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 74
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000

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END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.80000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 75
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.20000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 76
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.60000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 77
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.00000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 78
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.40000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

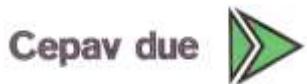
INPUT DATA FOR INITIAL STRESS SET NO. 79
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.80000000000000

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FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 80
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 81
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 82
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 83
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

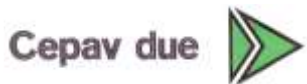
INPUT DATA FOR INITIAL STRESS SET NO. 84
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 85
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.20000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 66.98000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 86
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.60000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 62.23000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 87
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.00000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 57.47000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 88
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.40000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 52.73000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 89
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.80000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 47.97000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 90
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.20000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 43.2300000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 91
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.60000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 38.4700000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
POSITION 2353

NO. OF D.P.W FOR THIS AREA 5424
MAX NO. OF D.P.W. AVAILABLE 81920
** MAX NO OF ITERATIONS SET TO 100

ITER 0 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1666E+06 RIMNOR= 0.000
RENORM=0.5214E-27 REMNOR= 0.000 RATIO =0.5595E-16 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX = 0.000
RTSMAL=0.1000E-03 RMSMAL= 0.000
RDT =0.1666E+06 RDR = 0.000
RATIOT=0.5595E-16 RATOR= 0.000
MAX UN=0.7105E-14 IEQ= 57 NODE 29 DOF 1 Y-DISPL.F
MIN UN=-.1421E-13 IEQ= 61 NODE 31 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 1 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1666E+06 RIMNOR= 0.000
RENORM=0.3894E-28 REMNOR=0.7312E-55 RATIO =0.1529E-16 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX = 0.000
RTSMAL=0.1000E-03 RMSMAL= 0.000
RDT =0.1666E+06 RDR = 0.000
RATIOT=0.1529E-16 RATOR= 0.000
MAX UN=0.1043E-14 IEQ= 27 NODE 14 DOF 1 Y-DISPL.F
MIN UN=-.1954E-14 IEQ= 61 NODE 31 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 2 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1666E+06 RIMNOR= 0.000
RENORM=0.3224E-28 REMNOR=0.1925E-54 RATIO =0.1391E-16 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX = 0.000
RTSMAL=0.1000E-03 RMSMAL= 0.000
RDT =0.1666E+06 RDR = 0.000
RATIOT=0.1391E-16 RATOR= 0.000
MAX UN=0.8727E-15 IEQ= 23 NODE 12 DOF 1 Y-DISPL.F
MIN UN=-.1536E-14 IEQ= 63 NODE 32 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

SOLUTION REACHED USING 2 ITERATIONS ON 100

PRINT OUT FOR TIME STEP 1 (AT TIME 1.000)

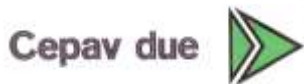
PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

Y-DISPL.F X-ROT. F
(02) (04) (

***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Req	Su_a	Su_p	LAYER									
1 D	0.5245	-1.2278E-20	3.369	5.245	3.369	5.245	V-C	7.6869E+04	0.000	0.000	1.000	1.000
5.245	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2 D	3.694	-1.9023E-20	6.654	18.47	15.20	18.47	V-C	7.6869E+04	-0.2000	0.000	1.000	1.000
18.47	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3 D	5.879	-2.5735E-20	11.27	29.40	30.40	29.40	V-C	7.6869E+04	-0.4000	0.000	1.000	1.000
29.40	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4 D	7.899	-3.2328E-20	16.13	39.49	45.60	39.49	V-C	7.6869E+04	-0.6000	0.000	1.000	1.000
39.49	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5 D	9.809	-3.8666E-20	21.33	49.04	60.80	49.04	V-C	7.6869E+04	-0.8000	0.000	1.000	1.000
49.04	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6 D	11.64	-4.4740E-20	26.13	58.20	76.00	58.20	V-C	7.6869E+04	-1.000	0.000	1.000	1.000
58.20	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7 D	13.41	-5.0768E-20	31.42	67.06	91.20	67.06	V-C	7.6869E+04	-1.200	0.000	1.000	1.000
67.06	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8 D	15.14	-5.6892E-20	36.15	75.68	106.4	75.68	V-C	7.6869E+04	-1.400	0.000	1.000	1.000
75.68	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9 D	16.82	-6.3091E-20	41.45	84.11	121.6	84.11	V-C	7.6869E+04	-1.600	0.000	1.000	1.000
84.11	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	18.47	-6.9154E-20	46.11	92.37	136.8	92.37	V-C	7.6869E+04	-1.800	0.000	1.000	1.000
92.37	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	20.10	-7.4671E-20	51.40	100.5	152.0	100.5	V-C	7.6869E+04	-2.000	0.000	1.000	1.000
100.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	21.71	-7.9015E-20	56.00	108.5	167.2	108.5	V-C	7.6869E+04	-2.200	0.000	1.000	1.000
108.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	23.29	-8.1336E-20	61.25	116.4	182.4	116.4	V-C	7.6869E+04	-2.400	0.000	1.000	1.000
116.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	24.86	-8.0711E-20	65.81	124.3	197.6	124.3	V-C	7.6869E+04	-2.600	0.000	1.000	1.000
124.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	26.41	-7.6612E-20	71.03	132.0	212.8	132.0	V-C	7.6869E+04	-2.800	0.000	1.000	1.000
132.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	27.94	-6.8759E-20	75.50	139.7	228.0	139.7	V-C	7.6869E+04	-3.000	0.000	1.000	1.000
139.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	29.47	-5.7911E-20	80.61	147.4	243.2	147.4	V-C	7.6869E+04	-3.200	0.000	1.000	1.000
147.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	30.99	-4.4953E-20	85									

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34 D	54.51	1.3057E-19	160.1	272.6	501.6	272.6	V-C	7.6869E+04	-6.600	0.000	1.000	1.000
272.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
35 D	55.96	1.1596E-19	165.1	279.8	516.8	279.8	V-C	7.6869E+04	-6.800	0.000	1.000	1.000
279.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
36 D	57.41	9.9738E-20	169.5	287.1	532.0	287.1	V-C	7.6869E+04	-7.000	0.000	1.000	1.000
287.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
37 D	58.86	8.2961E-20	174.3	294.3	547.2	294.3	V-C	7.6869E+04	-7.200	0.000	1.000	1.000
294.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
38 D	60.31	6.6360E-20	178.6	301.6	562.4	301.6	V-C	7.6869E+04	-7.400	0.000	1.000	1.000
301.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
39 D	61.76	5.0398E-20	183.3	308.8	577.6	308.8	V-C	7.6869E+04	-7.600	0.000	1.000	1.000
308.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
40 D	63.21	3.5311E-20	187.5	316.1	592.8	316.1	V-C	7.6869E+04	-7.800	0.000	1.000	1.000
316.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
41 D	64.66	2.1150E-20	192.3	323.3	608.0	323.3	V-C	7.6869E+04	-8.000	0.000	1.000	1.000
323.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
42 D	66.11	7.8319E-21	196.3	330.6	623.2	330.6	V-C	7.6869E+04	-8.200	0.000	1.000	1.000
330.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
43 D	67.56	-4.8158E-21	201.0	337.8	638.4	337.8	V-C	7.6869E+04	-8.400	0.000	1.000	1.000
337.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	69.01	-1.7007E-20	205.2	345.1	653.6	345.1	V-C	7.6869E+04	-8.600	0.000	1.000	1.000
345.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.46	-2.8952E-20	209.7	352.3	668.8	352.3	V-C	7.6869E+04	-8.800	0.000	1.000	1.000
352.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.96	-4.0811E-20	213.8	359.6	684.0	359.6	V-C	7.6869E+04	-9.000	0.000	1.000	1.000
359.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

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ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 46

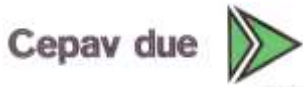
C U R R E N T T I M E I S 1.0000

HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	0.5245	1.2278E-20	0.000	5.245	0.000	5.245	V-C	3.9913E+04	0.000	0.000	1.000	1.000
5.245	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2 D	3.694	1.9023E-20	3.800	18.47	15.20	18.47	V-C	3.9913E+04	-0.2000	0.000	1.000	1.000
18.47	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3 D	5.879	2.5735E-20	7.600	29.40	30.40	29.40	V-C	3.9913E+04	-0.4000	0.000	1.000	1.000
29.40	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4 D	7.899	3.2328E-20	11.40	39.49	45.60	39.49	V-C	3.9913E+04	-0.6000	0.000	1.000	1.000
39.49	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5 D	9.809	3.8666E-20	15.20	49.04	60.80	49.04	V-C	3.9913E+04	-0.8000	0.000	1.000	1.000
49.04	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6 D	11.64	4.4740E-20	19.00	58.20	76.00	58.20	V-C	3.9913E+04	-1.000	0.000	1.000	1.000
58.20	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7 D	13.41	5.0768E-20	22.80	67.06	91.20	67.06	V-C	3.9913E+04	-1.200	0.000	1.000	1.000
67.06	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8 D	15.14	5.6892E-20	26.60	75.68	106.4	75.68	V-C	3.9913E+04	-1.400	0.000	1.000	1.000
75.68	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9 D	16.82	6.3091E-20	30.40	84.11	121.6	84.11	V-C	3.9913E+04	-1.600	0.000	1.000	1.000
84.11	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	18.47	6.9154E-20	34.20	92.37	136.8	92.37	V-C	3.9913E+04	-1.800	0.000	1.000	1.000
92.37	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	20.10	7.4671E-20	38.00	100.5	152.0	100.5	V-C	3.9913E+04	-2.000	0.000	1.000	1.000
100.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	21.71	7.9015E-20	41.80	108.5	167.2	108.5	V-C	3.9913E+04	-2.200	0.000	1.000	1.000
108.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	23.29	8.1336E-20	45.60	116.4	182.4	116.4	V-C	3.9913E+04	-2.400	0.000	1.000	1.000
116.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	24.86	8.0711E-20	49.40	124.3	197.6	124.3	V-C	3.9913E+04	-2.600	0.000	1.000	1.000
124.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	26.41	7.6612E-20	53.20	132.0	212.8	132.0	V-C	3.9913E+04	-2.800	0.000	1.000	1.000
132.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	27.94	6.8759E-20	57.00	139.7	228.0	139.7	V-C	3.9913E+04	-3.000	0.000	1.000	1.000
139.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	29.47	5.7911E-20	60.80	147.4	243.2	147.4	V-C	3.9913E+04	-3.200	0.000	1.000	1.000
147.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	30.99	4.4953E-20	64.60	154.9	258.4	154.9	V-C	3.9913E+04	-3.400	0.000	1.000	1.000
154.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	32.49	3.0612E-20	68.40	162.5	273.6	162.5	V-C	3.9913E+04	-3.600	0.000	1.000	1.000
162.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	33.99	1.5489E-20	72.20	170.0	288.8	170.0	V-C	3.9913E+04	-3.800	0.000	1.000	1.000

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170.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
21 D	35.49	9.9378E-23	76.00 177.4 304.0	177.4	V-C	3.9913E+04	-4.000	0.000	1.000	1.000
177.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
22 D	36.97	-1.5086E-20	79.80 184.9 319.2	184.9	V-C	3.9913E+04	-4.200	0.000	1.000	1.000
184.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
23 D	38.45	-2.9902E-20	83.60 192.3 334.4	192.3	V-C	3.9913E+04	-4.400	0.000	1.000	1.000
192.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
24 D	39.93	-4.5379E-20	87.40 199.6 349.6	199.6	V-C	3.9913E+04	-4.600	0.000	1.000	1.000
199.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
25 D	41.40	-6.2441E-20	91.20 207.0 364.8	207.0	V-C	3.9913E+04	-4.800	0.000	1.000	1.000
207.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
26 D	42.86	-8.0611E-20	95.00 214.3 380.0	214.3	V-C	3.9913E+04	-5.000	0.000	1.000	1.000
214.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
27 D	44.33	-9.8890E-20	98.80 221.6 395.2	221.6	V-C	3.9913E+04	-5.200	0.000	1.000	1.000
221.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
28 D	45.79	-1.1603E-19	102.6 228.9 410.4	228.9	V-C	3.9913E+04	-5.400	0.000	1.000	1.000
228.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
29 D	47.25	-1.3078E-19	106.4 236.2 425.6	236.2	V-C	3.9913E+04	-5.600	0.000	1.000	1.000
236.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
30 D	48.70	-1.4251E-19	110.2 243.5 440.8	243.5	V-C	3.9913E+04	-5.800	0.000	1.000	1.000
243.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
31 D	50.16	-1.4927E-19	114.0 250.8 456.0	250.8	V-C	3.9913E+04	-6.000	0.000	1.000	1.000
250.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
32 D	51.61	-1.4903E-19	117.8 258.1 471.2	258.1	V-C	3.9913E+04	-6.200	0.000	1.000	1.000
258.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
33 D	53.06	-1.4218E-19	121.6 265.3 486.4	265.3	V-C	3.9913E+04	-6.400	0.000	1.000	1.000
265.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
34 D	54.51	-1.3057E-19	125.4 272.6 501.6	272.6	V-C	3.9913E+04	-6.600	0.000	1.000	1.000
272.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
35 D	55.96	-1.1596E-19	129.2 279.8 516.8	279.8	V-C	3.9913E+04	-6.800	0.000	1.000	1.000
279.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
36 D	57.41	-9.9738E-20	133.0 287.1 532.0	287.1	V-C	3.9913E+04	-7.000	0.000	1.000	1.000
287.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
37 D	58.86	-8.2961E-20	136.8 294.3 547.2	294.3	V-C	3.9913E+04	-7.200	0.000	1.000	1.000
294.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
38 D	60.31	-6.6360E-20	140.6 301.6 562.4	301.6	V-C	3.9913E+04	-7.400	0.000	1.000	1.000
301.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
39 D	61.76	-5.0398E-20	144.4 308.8 577.6	308.8	V-C	3.9913E+04	-7.600	0.000	1.000	1.000
308.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
40 D	63.21	-3.5311E-20	148.2 316.1 592.8	316.1	V-C	3.9913E+04	-7.800	0.000	1.000	1.000
316.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
41 D	64.66	-2.1150E-20	152.0 323.3 608.0	323.3	V-C	3.9913E+04	-8.000	0.000	1.000	1.000
323.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
42 D	66.11	-7.8319E-21	155.8 330.6 623.2	330.6	V-C	3.9913E+04	-8.200	0.000	1.000	1.000
330.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
43 D	67.56	4.8158E-21	159.6 337.8 638.4	337.8	V-C	3.9913E+04	-8.400	0.000	1.000	1.000
337.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
44 D	69.01	1.7007E-20	163.4 345.1 653.6	345.1	V-C	3.9913E+04	-8.600	0.000	1.000	1.000
345.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
45 D	70.46	2.8952E-20	167.2 352.3 668.8	352.3	V-C	3.9913E+04	-8.800	0.000	1.000	1.000
352.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
46 D	35.96	4.0811E-20	171.0 359.6 684.0	359.6	V-C	3.9913E+04	-9.000	0.000	1.000	1.000
359.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							

S T R E S S R E S U L T S F O R G R O U P N O . 3

WallElement_33

ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 45
C U R R E N T T I M E I S 1.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1-8.00547E-17	8.00547E-17	7.88861E-30	1.60109E-17	
2-3.22290E-16	3.22290E-16	1.60109E-17	8.04689E-17	
3-6.46507E-16	6.46507E-16	8.04689E-17	2.09770E-16	
4-1.64026E-16	1.64026E-16	2.09770E-16	2.42575E-16	
5 1.12630E-15	1.12630E-15	2.42575E-16	1.73146E-17	
6 5.62099E-16	5.62099E-16	1.73146E-17	9.51051E-17	
7-7.67076E-17	7.67076E-17	9.51051E-17	7.97636E-17	
8-7.84604E-16	7.84604E-16	7.97636E-17	7.71573E-17	
9-1.55360E-15	1.55360E-15	7.71573E-17	3.87877E-16	
10-2.37269E-15	2.37269E-15	3.87877E-16	8.62415E-16	
11-3.22752E-15	3.22752E-15	8.62415E-16	1.50792E-15	
12-4.10019E-15	4.10019E-15	1.50792E-15	2.32796E-15	
13-1.41685E-15	1.41685E-15	2.32796E-15	2.61133E-15	
14-2.25910E-15	2.25910E-15	2.61133E-15	3.06315E-15	
15 4.05675E-15	4.05675E-15	3.06315E-15	2.25180E-15	
16 3.34588E-15	3.34588E-15	2.25180E-15	1.58262E-15	
17 2.73898E-15	2.73898E-15	1.58262E-15	1.03482E-15	
18 2.25947E-15	2.25947E-15	1.03482E-15	5.82927E-16	

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19 1.92804E-15-1.92804E-15 5.82927E-16-1.97319E-16
 20 1.76211E-15-1.76211E-15 1.97319E-16 1.55101E-16
 21 1.77544E-15-1.77544E-15-1.55101E-16 5.10190E-16
 22-5.12742E-15 5.12742E-15-5.10190E-16-5.15294E-16
 23-4.72971E-15 4.72971E-15 5.15294E-16-1.46124E-15
 24 2.97011E-15-2.97011E-15 1.46124E-15-8.67215E-16
 25 3.75777E-15-3.75777E-15 8.67215E-16-1.15662E-16
 26 4.72956E-15-4.72956E-15 1.15662E-16 8.30246E-16
 27 5.86997E-15-5.86997E-15-8.30246E-16 2.00424E-15
 28 5.13398E-17-5.13398E-17-2.00424E-15 2.01451E-15
 29 8.56118E-15-8.56118E-15-2.01451E-15 3.72674E-15
 30 1.00488E-14-1.00488E-14-3.72674E-15 5.73649E-15
 31-2.62999E-15 2.62999E-15-5.73649E-15 5.21050E-15
 32-8.19945E-15 8.19945E-15-5.21050E-15 3.57061E-15
 33-6.69984E-15 6.69984E-15-3.57061E-15 2.23064E-15
 34-5.27388E-15 5.27388E-15-2.23064E-15 1.17586E-15
 35-3.95405E-15 3.95405E-15-1.17586E-15 3.85052E-16
 36-2.76676E-15 2.76676E-15-3.85052E-16-1.68296E-16
 37-1.73191E-15 1.73191E-15 1.68296E-16-5.14679E-16
 38-8.63202E-16 8.63202E-16 5.14679E-16-6.87320E-16
 39-1.68836E-16 1.68836E-16 6.87320E-16-7.21087E-16
 40 3.47309E-16-3.47309E-16 7.21087E-16-6.51625E-16
 41 6.84428E-16-6.84428E-16 6.51625E-16-5.14740E-16
 42 8.43534E-16-8.43534E-16 5.14740E-16-3.46033E-16
 43 8.26365E-16-8.26365E-16 3.46033E-16-1.80760E-16
 44 6.34569E-16-6.34569E-16 1.80760E-16-5.38466E-17
 45 2.69227E-16-2.69227E-16 5.38466E-17 5.04871E-29

ITER 0 RNORM = 0.000 RMNORM= 0.000
 RINORM=0.1529E+06 RIMNOR=0.2830E-27
 RENORM= 9274. REMNOR=0.1925E-54 RATIO =0.2462 TOLER =0.1000E-03 NOT CONVERGED
 RFMAX = 70.46 RMMAX =0.5736E-14
 RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
 RDT =0.1529E+06 RDR =0.1000E-19
 RATIOT=0.2462 RATOR= 0.000
 MAX UN= 30.99 IEQ= 35 NODE 18 DOF 1 Y-DISPL.F
 MIN UN=-.1536E-14 IEQ= 63 NODE 32 DOF 1 Y-DISPL.F
 NO. OF CONTACT CONSTRAINT VIOLATIONS 0

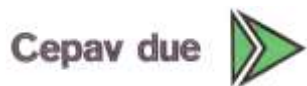
ITER 2 RNORM = 0.000 RMNORM= 0.000
 RINORM=0.1529E+06 RIMNOR=0.2830E-27
 RENORM= 83.84 REMNOR=0.1020E-21 RATIO =0.2341E-01 TOLER =0.1000E-03 NOT CONVERGED
 RFMAX = 70.46 RMMAX =0.5736E-14
 RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
 RDT =0.1529E+06 RDR =0.1000E-19
 RATIOT=0.2341E-01 RATOR= 0.000
 MAX UN= 3.107 IEQ= 3 NODE 2 DOF 1 Y-DISPL.F
 MIN UN=-.4991E-10 IEQ= 29 NODE 15 DOF 1 Y-DISPL.F
 NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 3 RNORM = 0.000 RMNORM= 0.000
 RINORM=0.1529E+06 RIMNOR=0.2830E-27
 RENORM= 484.4 REMNOR=0.1454E-20 RATIO =0.5628E-01 TOLER =0.1000E-03 NOT CONVERGED
 RFMAX = 70.46 RMMAX =0.5736E-14
 RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
 RDT =0.1529E+06 RDR =0.1000E-19
 RATIOT=0.5628E-01 RATOR= 0.000
 MAX UN= 17.10 IEQ= 29 NODE 15 DOF 1 Y-DISPL.F
 MIN UN=-.1529 IEQ= 89 NODE 45 DOF 1 Y-DISPL.F
 NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 4 RNORM = 0.000 RMNORM= 0.000
 RINORM=0.1529E+06 RIMNOR=0.2830E-27
 RENORM= 124.8 REMNOR=0.1304E-20 RATIO =0.2856E-01 TOLER =0.1000E-03 NOT CONVERGED
 RFMAX = 70.46 RMMAX =0.5736E-14
 RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
 RDT =0.1529E+06 RDR =0.1000E-19
 RATIOT=0.2856E-01 RATOR= 0.000
 MAX UN= 10.39 IEQ= 37 NODE 19 DOF 1 Y-DISPL.F
 MIN UN=-.3595 IEQ= 63 NODE 32 DOF 1 Y-DISPL.F
 NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 5 RNORM = 0.000 RMNORM= 0.000
 RINORM=0.1529E+06 RIMNOR=0.2830E-27
 RENORM= 2.399 REMNOR=0.9027E-21 RATIO =0.3961E-02 TOLER =0.1000E-03 NOT CONVERGED
 RFMAX = 70.46 RMMAX =0.5736E-14
 RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
 RDT =0.1529E+06 RDR =0.1000E-19
 RATIOT=0.3961E-02 RATOR= 0.000
 MAX UN= 1.527 IEQ= 41 NODE 21 DOF 1 Y-DISPL.F
 MIN UN=-.5195E-01 IEQ= 85 NODE 43 DOF 1 Y-DISPL.F

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NO. OF CONTACT CONSTRAINT VIOLATIONS 0

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ITER      6 RNORM = 0.000      RMNORM= 0.000
RINORM=0.1529E+06 RIMNOR=0.2830E-27
RENORM=0.4366E-04 REMNOR=0.2871E-21 RATIO =0.1690E-04 TOLER =0.1000E-03      CONVERGED !
RFMAX = 70.46      RMMAX =0.5736E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT      =0.1529E+06 RDR      =0.1000E-19
RATIOT=0.1690E-04 RATIO= 0.000
MAX UN=0.1193E-09 IEQ=      13 NODE      7 DOF      1 Y-DISPL.F
MIN UN=-.6607E-02 IEQ=      61 NODE      31 DOF      1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

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SOLUTION REACHED USING 6 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 2 (AT TIME 2.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	2.9935755E-02	-6.6357030E-03	
2	2.8608618E-02	-6.6356531E-03	
3	2.7281514E-02	-6.6353064E-03	
4	2.5954550E-02	-6.6341320E-03	
5	2.4627970E-02	-6.6313186E-03	
6	2.3302206E-02	-6.6257565E-03	
7	2.1977944E-02	-6.6160402E-03	
8	2.0656181E-02	-6.6004653E-03	
9	1.9338282E-02	-6.5770308E-03	
10	1.8026046E-02	-6.5434388E-03	
11	1.6721757E-02	-6.4970962E-03	
12	1.5428250E-02	-6.4351155E-03	
13	1.4148965E-02	-6.3543162E-03	
14	1.2888009E-02	-6.2512259E-03	
15	1.1650212E-02	-6.1220819E-03	
16	1.0441184E-02	-5.9628321E-03	
17	9.2673694E-03	-5.7691365E-03	
18	8.1361275E-03	-5.5363740E-03	
19	7.0557513E-03	-5.2596395E-03	
20	6.0353389E-03	-4.9368974E-03	
21	5.0837987E-03	-4.5721304E-03	
22	4.2086268E-03	-4.1753345E-03	
23	3.4149485E-03	-3.7592855E-03	
24	2.7054415E-03	-3.3353029E-03	
25	2.0807409E-03	-2.9126156E-03	
26	1.5397844E-03	-2.4990914E-03	
27	1.0800133E-03	-2.1019665E-03	
28	6.9743469E-04	-1.7283232E-03	
29	3.8663269E-04	-1.3854500E-03	
30	1.4082659E-04	-1.0789983E-03	
31	-4.7552120E-05	-8.1132883E-04	
32	-1.8628311E-04	-5.8234165E-04	
33	-2.8295427E-04	-3.9034774E-04	
34	-3.4471260E-04	-2.3270980E-04	
35	-3.7811183E-04	-1.0617643E-04	
36	-3.8901721E-04	-7.1536362E-06	
37	-3.8255672E-04	6.8118327E-05	
38	-3.6310112E-04	1.2342205E-04	
39	-3.3427549E-04	1.6241192E-04	
40	-2.9899606E-04	1.8850611E-04	
41	-2.5952582E-04	2.0480858E-04	
42	-2.1754291E-04	2.1405689E-04	
43	-1.7421745E-04	2.1858939E-04	
44	-1.3029352E-04	2.2032628E-04	
45	-8.6175722E-05	2.2073477E-04	
46	-4.2024488E-05	2.2076024E-04	

S T R E S S R E S U L T S F O R G R O U P N O. 1

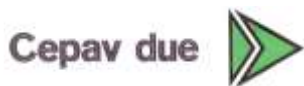
O _ L :

ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 46

C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

GENERAL CONTRACTOR



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***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	7.5809E-02	-2.9936E-02	3.369	0.7581	3.369	5.245	ACTIVE	0.000	0.000	0.000	1.000	1.000
0.7581	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2 D	0.2994	-2.8609E-02	6.654	1.497	15.20	18.47	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
1.497	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3 D	0.5071	-2.7282E-02	11.27	2.535	30.40	29.40	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
2.535	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4 D	0.7260	-2.5955E-02	16.13	3.630	45.60	39.49	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
3.630	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5 D	0.9600	-2.4628E-02	21.33	4.800	60.80	49.04	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
4.800	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6 D	1.176	-2.3302E-02	26.13	5.880	76.00	58.20	ACTIVE	0.000	-1.000	0.000	1.000	1.000
5.880	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7 D	1.414	-2.1978E-02	31.42	7.070	91.20	67.06	ACTIVE	0.000	-1.200	0.000	1.000	1.000
7.070	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8 D	1.627	-2.0656E-02	36.15	8.134	106.4	75.68	ACTIVE	0.000	-1.400	0.000	1.000	1.000
8.134	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9 D	1.865	-1.9338E-02	41.45	9.326	121.6	84.11	ACTIVE	0.000	-1.600	0.000	1.000	1.000
9.326	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	2.075	-1.8026E-02	46.11	10.38	136.8	92.37	ACTIVE	0.000	-1.800	0.000	1.000	1.000
10.38	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	2.313	-1.6722E-02	51.40	11.56	152.0	100.5	ACTIVE	0.000	-2.000	0.000	1.000	1.000
11.56	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	2.520	-1.5428E-02	56.00	12.60	167.2	108.5	ACTIVE	0.000	-2.200	0.000	1.000	1.000
12.60	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	2.756	-1.4149E-02	61.25	13.78	182.4	116.4	ACTIVE	0.000	-2.400	0.000	1.000	1.000
13.78	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	2.961	-1.2888E-02	65.81	14.81	197.6	124.3	ACTIVE	0.000	-2.600	0.000	1.000	1.000
14.81	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	3.196	-1.1650E-02	71.03	15.98	212.8	132.0	ACTIVE	0.000	-2.800	0.000	1.000	1.000
15.98	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	3.397	-1.0441E-02	75.50	16.99	228.0	139.7	ACTIVE	0.000	-3.000	0.000	1.000	1.000
16.99	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	3.627	-9.2674E-03	80.61	18.14	243.2	147.4	ACTIVE	0.000	-3.200	0.000	1.000	1.000
18.14	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	3.825	-8.1361E-03	85.01	19.13	258.4	154.9	ACTIVE	0.000	-3.400	0.000	1.000	1.000
19.13	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	4.047	-7.0558E-03	89.94	20.24	273.6	162.5	ACTIVE	0.000	-3.600	0.000	1.000	1.000
20.24	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	4.243	-6.0353E-03	94.28	21.21	288.8	170.0	ACTIVE	0.000	-3.800	0.000	1.000	1.000
21.21	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	4.460	-5.0838E-03	99.12	22.30	304.0	177.4	ACTIVE	0.000	-4.000	0.000	1.000	1.000
22.30	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	9.586	-4.2086E-03	103.4	47.93	319.2	184.9	UL-RL	3.2535E+04	-4.200	0.000	1.000	1.000
47.93	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	16.23	-3.4149E-03	108.3	81.15	334.4	192.3	UL-RL	3.2535E+04	-4.400	0.000	1.000	1.000
81.15	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	22.32	-2.7054E-03	112.6	111.6	349.6	199.6	UL-RL	3.2535E+04	-4.600	0.000	1.000	1.000
111.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	27.86	-2.0807E-03	117.4	139.3	364.8	207.0	UL-RL	3.2535E+04	-4.800	0.000	1.000	1.000
139.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
26 D	32.84	-1.5398E-03	122.0	164.2	380.0	214.3	UL-RL	3.2535E+04	-5.000	0.000	1.000	1.000
164.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
27 D	37.30	-1.0800E-03	127.2	186.5	395.2	221.6	UL-RL	3.2535E+04	-5.200	0.000	1.000	1.000
186.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
28 D	41.25	-6.9743E-04	131.6	206.2	410.4	228.9	UL-RL	3.2535E+04	-5.400	0.000	1.000	1.000
206.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
29 D	44.73	-3.8663E-04	136.7	223.7	425.6	236.2	UL-RL	3.2535E+04	-5.600	0.000	1.000	1.000
223.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
30 D	47.79	-1.4083E-04	141.3	238.9	440.8	243.5	UL-RL	3.2535E+04	-5.800	0.000	1.000	1.000
238.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
31 D	50.34	4.7552E-05	146.2	251.7	456.0	251.8	UL-RL	3.2535E+04	-6.000	0.000	1.000	1.000
251.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
32 D	52.37	1.8628E-04	150.7	261.8	471.2	261.8	V-C	2.0348E+04	-6.200	0.000	1.000	1.000
261.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
33 D	54.21	2.8295E-04	155.8	271.1	486.4	271.1	V-C	2.0348E+04	-6.400	0.000	1.000	1.000
271.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
34 D	55.92	3.4471E-04	160.1	279.6	501.6	279.6	V-C	2.0348E+04	-6.600	0.000	1.000	1.000
279.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
35 D	57.50	3.7811E-04	165.1	287.5	516.8	287.5	V-C	2.0348E+04	-6.800	0.000	1.000	1.000
287.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
36 D	59.00	3.8902E-04	169.5	295.0	532.0	295.0	V-C	2.0348E+04	-7.000	0.000	1.000	1.000
295.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
37 D	60.42	3.8256E-04	174.3	302.1	547.2	302.1	V-C	2.0348E+04	-7.200	0.000	1.000	1.000
302.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
38 D	61.79	3.6310E-04	178.6	309.0	562.4	309.0	V-C	2.0348E+04	-7.400	0.000	1.000	1.000
309.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
39 D	63.12	3.3428E-04	183.3	315.6	577.6	315.6	V-C	2.0348E+04	-7.600	0.000	1.000	1.000
315.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
40 D	64.43	2.9900E-04	187.5	322.1	592.8	322.1	V-C	2.0348E+04	-7.800	0.000	1.000	1.000

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322.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
41 D	65.72	2.5953E-04	192.3	328.6	608.0	328.6	V-C	2.0348E+04	-8.000	0.000	1.000	1.000
328.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
42 D	67.00	2.1754E-04	196.3	335.0	623.2	335.0	V-C	2.0348E+04	-8.200	0.000	1.000	1.000
335.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
43 D	68.27	1.7422E-04	201.0	341.4	638.4	341.4	V-C	2.0348E+04	-8.400	0.000	1.000	1.000
341.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	69.50	1.3029E-04	205.2	347.5	653.6	348.0	UL-RL	3.2535E+04	-8.600	0.000	1.000	1.000
347.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.68	8.6176E-05	209.7	353.4	668.8	355.2	UL-RL	3.2535E+04	-8.800	0.000	1.000	1.000
353.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.93	4.2024E-05	213.8	359.3	684.0	362.4	UL-RL	3.2535E+04	-9.000	0.000	1.000	1.000
359.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

STRESS RESULTS FOR GROUP NO. 2

0 R :

ELEMENT TYPE	5 NO.OF ELEMENTS. IN THIS GROUP	46
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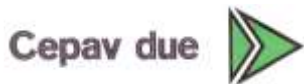
C U R R E N T T I M E I S 2.0000

HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1	0.000	--	--	--	--	--	REMOVED	--	0.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
2	0.000	--	--	--	--	--	REMOVED	--	-0.2000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
3	0.000	--	--	--	--	--	REMOVED	--	-0.4000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
4	0.000	--	--	--	--	--	REMOVED	--	-0.6000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
5	0.000	--	--	--	--	--	REMOVED	--	-0.8000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
6	0.000	--	--	--	--	--	REMOVED	--	-1.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
7	0.000	--	--	--	--	--	REMOVED	--	-1.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
8	0.000	--	--	--	--	--	REMOVED	--	-1.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
9	0.000	--	--	--	--	--	REMOVED	--	-1.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
10	0.000	--	--	--	--	--	REMOVED	--	-1.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
11	0.000	--	--	--	--	--	REMOVED	--	-2.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
12	0.000	--	--	--	--	--	REMOVED	--	-2.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
13	0.000	--	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available									
14	0.000	--	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available									
15	0.000	--	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available									
16	0.000	--	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available									
17	0.000	--	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available									
18 D	2.3898E-05	8.1361E-03	1.9000E-05	1.1949E-04	258.4	154.9	PASSIVE	0.000	-3.400	0.000	1.000	1.000
1.1949E-04	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	4.780	7.0558E-03	3.800	23.90	273.6	162.5	PASSIVE	0.000	-3.600	0.000	1.000	1.000
23.90	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	9.559	6.0353E-03	7.600	47.80	288.8	170.0	PASSIVE	0.000	-3.800	0.000	1.000	1.000
47.80	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	14.34	5.0838E-03	11.40	71.69	304.0	177.4	PASSIVE	0.000	-4.000	0.000	1.000	1.000
71.69	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	19.12	4.2086E-03	15.20	95.59	319.2	184.9	PASSIVE	0.000	-4.200	0.000	1.000	1.000
95.59	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	23.90	3.4149E-03	19.00	119.5	334.4	192.3	PASSIVE	0.000	-4.400	0.000	1.000	1.000
119.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	28.68	2.7054E-03	22.80	143.4	349.6	199.6	PASSIVE	0.000	-4.600	0.000	1.000	1.000
143.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	33.46	2.0807E-03	26.60	167.3	364.8	207.0	PASSIVE	0.000	-4.800	0.000	1.000	1.000
167.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
26 D	38.24	1.5398E-03	30.40	191.2	380.0	214.3	PASSIVE	0.000	-5.000	0.000	1.000	1.000
191.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
27 D	42.68	1.0800E-03	34.20	213.4	395.2	221.6	UL-RL	1.6893E+04	-5.200	0.000	1.000	1.000
213.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

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28 D	46.95	6.9743E-04	38.00	234.7	410.4	238.9	UL-RL	1.6893E+04	-5.400	0.000	1.000	1.000
234.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
29 D	47.62	3.8663E-04	41.80	238.1	425.6	244.0	UL-RL	1.6893E+04	-5.600	0.000	1.000	1.000
238.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
30 D	48.48	1.4083E-04	45.60	242.4	440.8	249.3	UL-RL	1.6893E+04	-5.800	0.000	1.000	1.000
242.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
31 D	49.50	-4.7552E-05	49.40	247.5	456.0	254.9	UL-RL	1.6893E+04	-6.000	0.000	1.000	1.000
247.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
32 D	50.65	-1.8628E-04	53.20	253.3	471.2	260.8	UL-RL	1.6893E+04	-6.200	0.000	1.000	1.000
253.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
33 D	51.92	-2.8295E-04	57.00	259.6	486.4	266.9	UL-RL	1.6893E+04	-6.400	0.000	1.000	1.000
259.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
34 D	53.27	-3.4471E-04	60.80	266.4	501.6	273.2	UL-RL	1.6893E+04	-6.600	0.000	1.000	1.000
266.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
35 D	54.69	-3.7811E-04	64.60	273.4	516.8	279.8	UL-RL	1.6893E+04	-6.800	0.000	1.000	1.000
273.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
36 D	56.10	-3.8902E-04	68.40	280.5	532.0	287.1	UL-RL	1.6893E+04	-7.000	0.000	1.000	1.000
280.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
37 D	57.57	-3.8256E-04	72.20	287.9	547.2	294.3	UL-RL	1.6893E+04	-7.200	0.000	1.000	1.000
287.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
38 D	59.09	-3.6310E-04	76.00	295.4	562.4	301.6	UL-RL	1.6893E+04	-7.400	0.000	1.000	1.000
295.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
39 D	60.63	-3.3428E-04	79.80	303.2	577.6	308.8	UL-RL	1.6893E+04	-7.600	0.000	1.000	1.000
303.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
40 D	62.20	-2.9900E-04	83.60	311.0	592.8	316.1	UL-RL	1.6893E+04	-7.800	0.000	1.000	1.000
311.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
41 D	63.78	-2.5953E-04	87.40	318.9	608.0	323.3	UL-RL	1.6893E+04	-8.000	0.000	1.000	1.000
318.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
42 D	65.38	-2.1754E-04	91.20	326.9	623.2	330.6	UL-RL	1.6893E+04	-8.200	0.000	1.000	1.000
326.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
43 D	66.97	-1.7422E-04	95.00	334.9	638.4	337.8	UL-RL	1.6893E+04	-8.400	0.000	1.000	1.000
334.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	68.57	-1.3029E-04	98.80	342.9	653.6	345.1	UL-RL	1.6893E+04	-8.600	0.000	1.000	1.000
342.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.17	-8.6176E-05	102.6	350.9	668.8	352.3	UL-RL	1.6893E+04	-8.800	0.000	1.000	1.000
350.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.89	-4.2024E-05	106.4	358.9	684.0	359.6	UL-RL	1.6893E+04	-9.000	0.000	1.000	1.000
358.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

S T R E S S R E S U L T S F O R G R O U P N O . 3

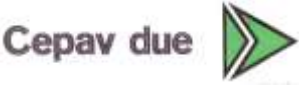
WallElement_33

ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 45
C U R R E N T T I M E I S 2.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	7.58088E-02	-7.58088E-02	-4.70379E-12	1.51618E-02
2	0.37526	-0.37526	-1.51618E-02	9.02130E-02
3	0.88235	-0.88235	-9.02130E-02	0.26668
4	1.6084	-1.6084	-0.26668	0.58836
5	2.5684	-2.5684	-0.58836	1.1020
6	3.7443	-3.7443	-1.1020	1.8509
7	5.1582	-5.1582	-1.8509	2.8825
8	6.7850	-6.7850	-2.8825	4.2395
9	8.6502	-8.6502	-4.2395	5.9696
10	10.725	-10.725	-5.9696	8.1146
11	13.038	-13.038	-8.1146	10.722
12	15.558	-15.558	-10.722	13.834
13	18.315	-18.315	-13.834	17.497
14	21.276	-21.276	-17.497	21.752
15	24.472	-24.472	-21.752	26.646
16	27.869	-27.869	-26.646	32.220
17	31.497	-31.497	-32.220	38.520
18	35.322	-35.322	-38.520	45.584
19	34.590	-34.590	-45.584	52.502
20	29.273	-29.273	-52.502	58.357
21	19.395	-19.395	-58.357	62.235
22	9.8619	-9.8619	-62.235	64.208
23	2.1939	-2.1939	-64.208	64.647
24	-4.1621	4.1621	-64.647	63.814
25	-9.7621	9.7621	-63.814	61.862
26	-15.155	15.155	-61.862	58.831
27	-20.530	20.530	-58.831	54.725
28	-26.227	26.227	-54.725	49.479
29	-29.118	29.118	-49.479	43.656
30	-29.814	29.814	-43.656	37.693
31	-28.965	28.965	-37.693	31.900
32	-27.251	27.251	-31.900	26.450
33	-24.955	24.955	-26.450	21.459

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34	-22.310	22.310	-21.459	16.997
35	-19.494	19.494	-16.997	13.098
36	-16.597	16.597	-13.098	9.7785
37	-13.747	13.747	-9.7785	7.0291
38	-11.043	11.043	-7.0291	4.8205
39	-8.5531	8.5531	-4.8205	3.1099
40	-6.3261	6.3261	-3.1099	1.8447
41	-4.3932	4.3932	-1.8447	0.96603
42	-2.7729	2.7729	-0.96603	0.41146
43	-1.4753	1.4753	-0.41146	0.11641
44	-0.54333	0.54333	-0.11641	7.74123E-03
45	-3.87054E-02	3.87054E-02	-7.74123E-03	-9.10383E-15

F I N A L I N C R E M E N T A L A N A L Y S I S			
S U M M A R Y			
STEP	NO. OF ITERATIONS		
1	CONVERGENCE :YES	2	
2	CONVERGENCE :YES	6	

END OF PROCESS FOR PROBLEM
New Project
NONLINEAR SOLUTION CPU TIME 0.07 [sec]
DATABASE CREATION CPU TIME..... 0.06 [sec]

Design Assumption : A2+M2+R1 - File di Paratie - File di input

```
* PARATIE ANALYSIS FOR DESIGN SECTION:Base Design Section USING ASSUMPTION: A2+M2+R1
* 1: Defining general settings
UNIT m kN
TITLE New Project
DELTA 0.2
option param itemax 100
option control hinges 0 0.0001 0.001

* 2: Defining wall(s)
WALL LeftWall_32 0 -9 0 1

* 3: Defining surfaces for wall(s)
SOIL 0_L LeftWall_32 -9 0 1 0
SOIL 0_R LeftWall_32 -9 0 2 180

* 4: Defining soil layers
*
* Soil Profile (Sabbiaeghiaia_164_165_L_0)
*
LDATA Sabbiaeghiaia_164_165_L_0 7 LeftWall_32
ATREST 0.5 1 4
WEIGHT 19 9 10
PERMEABILITY 1E-06
RESISTANCE 0 36 0 0 0
YOUNG 4.7E+04 7.515E+04
ENDL

* 5: Defining structural materials
* Steel material: 113 Name=S275 E=210000000 kPa
MATERIAL S275_113 2.1E+08
* Concrete material: 104 Name=C25/30 E=31475800 kPa
MATERIAL C2530_104 3.148E+07

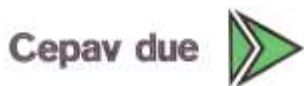
* 6: Defining structural elements
* 6.1: Beams and combined Wall Elements
BEAM WallElement_33 LeftWall_32 -9 0 S275_113 0.1202 00 00 0

* 6.2: Supports

* 6.3: Strips
STRIP LeftWall_32 1 2 6.95 7.55 3.65 40 45

* (slope contribution)
STRIP LeftWall_32 1 1 0 0.4 0 2.579 45
STRIP LeftWall_32 1 1 0.4 0.4 0 7.736 45
STRIP LeftWall_32 1 1 0.8 0.4 0 12.89 45
STRIP LeftWall_32 1 1 1.2 0.4 0 18.05 45
STRIP LeftWall_32 1 1 1.6 0.4 0 23.21 45
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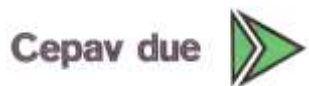


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STRIP LeftWall_32 1 1 2 0.4 0 28.36 45
STRIP LeftWall_32 1 1 2.4 0.4 0 33.52 45
STRIP LeftWall_32 1 1 2.8 0.4 0 36.1 45
STRIP LeftWall_32 1 1 3.2 0.4 0 36.1 45
STRIP LeftWall_32 1 1 3.6 0.4 0 37.06 45
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STRIP LeftWall_32 1 1 8.4 0.4 0 69.35 45
STRIP LeftWall_32 1 1 8.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 9.2 0.4 0 69.35 45
STRIP LeftWall_32 1 1 9.6 0.4 0 69.35 45
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STRIP LeftWall_32 1 1 10.8 0.4 0 69.35 45
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STRIP LeftWall_32 1 1 11.6 0.4 0 69.35 45
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STRIP LeftWall_32 1 1 12.4 0.4 0 69.35 45
STRIP LeftWall_32 1 1 12.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 13.2 0.4 0 69.35 45
STRIP LeftWall_32 1 1 13.6 0.4 0 69.35 45
STRIP LeftWall_32 1 1 14 0.4 0 69.35 45
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STRIP LeftWall_32 1 1 14.8 0.4 0 69.35 45
STRIP LeftWall_32 1 1 15.2 0.4 0 66.98 45
STRIP LeftWall_32 1 1 15.6 0.4 0 62.23 45
STRIP LeftWall_32 1 1 16 0.4 0 57.47 45
STRIP LeftWall_32 1 1 16.4 0.4 0 52.73 45
STRIP LeftWall_32 1 1 16.8 0.4 0 47.97 45
STRIP LeftWall_32 1 1 17.2 0.4 0 43.23 45
STRIP LeftWall_32 1 1 17.6 0.4 0 38.47 45
STRIP LeftWall_32 2 2 0 0.4 0 2.579 45
STRIP LeftWall_32 2 2 0.4 0.4 0 7.736 45
STRIP LeftWall_32 2 2 0.8 0.4 0 12.89 45
STRIP LeftWall_32 2 2 1.2 0.4 0 18.05 45
STRIP LeftWall_32 2 2 1.6 0.4 0 23.21 45
STRIP LeftWall_32 2 2 2 0.4 0 28.36 45
STRIP LeftWall_32 2 2 2.4 0.4 0 33.52 45
STRIP LeftWall_32 2 2 2.8 0.4 0 36.1 45
STRIP LeftWall_32 2 2 3.2 0.4 0 36.1 45
STRIP LeftWall_32 2 2 3.6 0.4 0 37.06 45
STRIP LeftWall_32 2 2 4 0.4 0 41.64 45
STRIP LeftWall_32 2 2 4.4 0.4 0 46.57 45
STRIP LeftWall_32 2 2 4.8 0.4 0 51.49 45
STRIP LeftWall_32 2 2 5.2 0.4 0 56.42 45
STRIP LeftWall_32 2 2 5.6 0.4 0 61.35 45
STRIP LeftWall_32 2 2 6 0.4 0 66.27 45
STRIP LeftWall_32 2 2 6.4 0.4 0 69.31 45
STRIP LeftWall_32 2 2 6.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 7.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 7.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 8.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 9.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 9.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 10.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 11.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 11.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 12.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 13.2 0.4 0 69.35 45
STRIP LeftWall_32 2 2 13.6 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14.4 0.4 0 69.35 45
STRIP LeftWall_32 2 2 14.8 0.4 0 69.35 45
STRIP LeftWall_32 2 2 15.2 0.4 0 66.98 45
STRIP LeftWall_32 2 2 15.6 0.4 0 62.23 45
STRIP LeftWall_32 2 2 16 0.4 0 57.47 45
STRIP LeftWall_32 2 2 16.4 0.4 0 52.73 45
STRIP LeftWall_32 2 2 16.8 0.4 0 47.97 45
STRIP LeftWall_32 2 2 17.2 0.4 0 43.23 45
STRIP LeftWall_32 2 2 17.6 0.4 0 38.47 45

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* 7: Defining Steps

STEP Stage1_72626

CHANGE Sabbiaeghiaia_164_165_L_0 U-FRICT=30.17 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-FRICT=30.17 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-KA=0.289 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-KP=4.331 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-KA=0.289 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-KP=4.331 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-COHE=0 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 U-ADHES=0 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-COHE=0 LeftWall_32

CHANGE Sabbiaeghiaia_164_165_L_0 D-ADHES=0 LeftWall_32

SETWALL LeftWall_32

GEOM 0 0

SURCHARGE 0 0 0 0

WATER -20 0 -9 0 0

ADD WallElement_33

ENDSTEP

STEP Stage2_63336

SETWALL LeftWall_32

GEOM 0 -3.4

SURCHARGE 0 0 0 0

WATER -20 0 -9 0 0

ENDSTEP

Design Assumption : A2+M2+R1 - File di Paratie - File di output

```

*****
*
*   PARATIE PLUS Non-Linear Spring Engine
*
*
*   AN ELASTOPLASTIC FINITE ELEMENT PROGRAM
*   FOR FLEXIBLE EARTH-RETAINING STRUCTURES
*
*
*   Written by Ce.A.S. s.r.l. (ITALY)
*   with the scientific supervision of
*   Roberto Nova - full professor SOIL MECHANICS
*   at Politecnico di Milano (ITALY)
*
*****
*
*   RELEASE    2018.0      *Build date:Nov 13, 2017*
*
*
*   Ce.A.S.      S.R.L    CENTRO DI ANALISI STRUTTURALE
*   VIALE        GIUSTINIANO 10
*   20129        M I L A N O (ITALIA)
*   TEL.         +39 02 2020221
*
*   email        bruno.becci@ceas.it
*   Web Page     www.ceas.it      www.paratieplus.com
*****

```

JOB : NewProject.BaseDesignSection_28.A2M2R1_5918

STARTING

ACCEPTED <FILE,GENW

>

ACCEPTED <FILE,PLOTTER,BINARY

>

ACCEPTED <SOLVE TOTAL STRESS

>

ACCEPTED <PARAM ITEMEX 100

>

ACCEPTED <CONTROL HINGES 0 0.0001 0.001

>

```

*****
*
*   WARNING : PORE PRESSURES ARE AUTOMATICALLY COMPUTED
*   BY THE PROGRAM.
*****

```

PRELIMINARY OPERATIONS CPU TIME 0.01 [sec]

INPUT FILE HAS BEEN GENERATED BY WALGEN PROGRAM

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New Project

```

NO. OF NODAL POINTS (NUMNP) ..... 46
NO. OF COORDINATES (NCOORD) ..... 2
NO. OF NODE DOFS (NDOF) ..... 2
NO. OF EQUATIONS (NEQ) ..... 92
NO. OF CONSTRAINTS CARDS (NVINC) ..... 0
NO. OF ELEMENT GROUPS (NEG) ..... 3
NO. OF SOLUTION STEPS (NSTE) ..... 2
NO. OF ELEMENT SETS ATTACHED TO SLAVE NODES ... 0
NO. OF RECORD FROM WALGEN ..... 132
NO. OF LONG NAMES (LASTNAME) ..... 11
LENGTH UNIT CHOICE ..... 3 (M )
FORCE UNIT CHOICE ..... 3 (KN )
MAX PORE PRESSURE TABLE LENGTH ..... 1
NO. OF ELEMENT GROUPS REQUIRING ADD. SLIP DOF . 0

```

```

IDOF( 01) = 2 Y-DISPL.F
IDOF( 02) = 4 X-ROT. F

```

RELEVANT ITEMS UNITS

```

STRESSES                kPa
Y-DISPLACEMENTS        m
ROTATIONS                RADIANs
BEAM AND SLAB MOMENTS   kN*m/m
BEAM SHEAR FORCES       kN/m
ANCHOR FORCES           kN/m
AXIAL FORCES IN TRUSSES kN/m
AXIAL FORCES SPRINGS    kN/m
Y-REACTIONS             kN/m
X-MOMENT REACTIONS      kN*m/m
ETC.

```

N O D A L P O I N T D A T A

```

-----
NODE      Y-COORD      Z-COORD / NODE      Y-COORD      Z-COORD / NODE      Y-COORD      Z-COORD / NODE      Y-COORD      Z-COORD /
1 0.0000      0.0000      / 2 0.0000      -0.20000      / 3 0.0000      -0.40000      / 4 0.0000      -0.60000      /
5 0.0000      -0.80000      / 6 0.0000      -1.0000      / 7 0.0000      -1.2000      / 8 0.0000      -1.4000      /
9 0.0000      -1.6000      / 10 0.0000      -1.8000      / 11 0.0000      -2.0000      / 12 0.0000      -2.2000      /
13 0.0000      -2.4000      / 14 0.0000      -2.6000      / 15 0.0000      -2.8000      / 16 0.0000      -3.0000      /
17 0.0000      -3.2000      / 18 0.0000      -3.4000      / 19 0.0000      -3.6000      / 20 0.0000      -3.8000      /
21 0.0000      -4.0000      / 22 0.0000      -4.2000      / 23 0.0000      -4.4000      / 24 0.0000      -4.6000      /
25 0.0000      -4.8000      / 26 0.0000      -5.0000      / 27 0.0000      -5.2000      / 28 0.0000      -5.4000      /
29 0.0000      -5.6000      / 30 0.0000      -5.8000      / 31 0.0000      -6.0000      / 32 0.0000      -6.2000      /
33 0.0000      -6.4000      / 34 0.0000      -6.6000      / 35 0.0000      -6.8000      / 36 0.0000      -7.0000      /
37 0.0000      -7.2000      / 38 0.0000      -7.4000      / 39 0.0000      -7.6000      / 40 0.0000      -7.8000      /
41 0.0000      -8.0000      / 42 0.0000      -8.2000      / 43 0.0000      -8.4000      / 44 0.0000      -8.6000      /
45 0.0000      -8.8000      / 46 0.0000      -9.0000      /

```

ELEMENT GROUP NO. 1

```

0_L
5 46 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0
.....2D PLASTIC SOIL .....
.....

```

element group behaviour throughout stage analysis

```

stage  status
-----
1    active
2    active

```

material set no. 1

```

prop( 1) angle      0.00000
prop( 2) layer as foreseen 1.00000

```

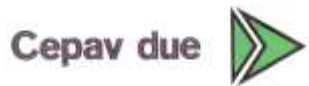
element data

```

el  n mat      area      ....      ....      ....      flag
-----

```

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1	1	1	0.1000	0.000	0.000	0.000	1.000
2	2	1	0.2000	0.000	0.000	0.000	1.000
3	3	1	0.2000	0.000	0.000	0.000	1.000
4	4	1	0.2000	0.000	0.000	0.000	1.000
5	5	1	0.2000	0.000	0.000	0.000	1.000
6	6	1	0.2000	0.000	0.000	0.000	1.000
7	7	1	0.2000	0.000	0.000	0.000	1.000
8	8	1	0.2000	0.000	0.000	0.000	1.000
9	9	1	0.2000	0.000	0.000	0.000	1.000
10	10	1	0.2000	0.000	0.000	0.000	1.000
11	11	1	0.2000	0.000	0.000	0.000	1.000
12	12	1	0.2000	0.000	0.000	0.000	1.000
13	13	1	0.2000	0.000	0.000	0.000	1.000
14	14	1	0.2000	0.000	0.000	0.000	1.000
15	15	1	0.2000	0.000	0.000	0.000	1.000
16	16	1	0.2000	0.000	0.000	0.000	1.000
17	17	1	0.2000	0.000	0.000	0.000	1.000
18	18	1	0.2000	0.000	0.000	0.000	1.000
19	19	1	0.2000	0.000	0.000	0.000	1.000
20	20	1	0.2000	0.000	0.000	0.000	1.000
21	21	1	0.2000	0.000	0.000	0.000	1.000
22	22	1	0.2000	0.000	0.000	0.000	1.000
23	23	1	0.2000	0.000	0.000	0.000	1.000
24	24	1	0.2000	0.000	0.000	0.000	1.000
25	25	1	0.2000	0.000	0.000	0.000	1.000
26	26	1	0.2000	0.000	0.000	0.000	1.000
27	27	1	0.2000	0.000	0.000	0.000	1.000
28	28	1	0.2000	0.000	0.000	0.000	1.000
29	29	1	0.2000	0.000	0.000	0.000	1.000
30	30	1	0.2000	0.000	0.000	0.000	1.000
31	31	1	0.2000	0.000	0.000	0.000	1.000
32	32	1	0.2000	0.000	0.000	0.000	1.000
33	33	1	0.2000	0.000	0.000	0.000	1.000
34	34	1	0.2000	0.000	0.000	0.000	1.000
35	35	1	0.2000	0.000	0.000	0.000	1.000
36	36	1	0.2000	0.000	0.000	0.000	1.000
37	37	1	0.2000	0.000	0.000	0.000	1.000
38	38	1	0.2000	0.000	0.000	0.000	1.000
39	39	1	0.2000	0.000	0.000	0.000	1.000
40	40	1	0.2000	0.000	0.000	0.000	1.000
41	41	1	0.2000	0.000	0.000	0.000	1.000
42	42	1	0.2000	0.000	0.000	0.000	1.000
43	43	1	0.2000	0.000	0.000	0.000	1.000
44	44	1	0.2000	0.000	0.000	0.000	1.000
45	45	1	0.2000	0.000	0.000	0.000	1.000
46	46	1	0.1000	0.000	0.000	0.000	1.000

ELEMENT GROUP NO. 2

0_R :
5 46 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0

.....
.....2D PLASTIC SOIL
.....

element group behaviour throughout stage analysis

stage status

1 active
2 active

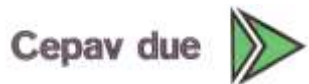
material set no. 1

prop(1) angle 180.000
prop(2) layer as foreseen 1.00000

element data

el	n	mat	area	.....	.....	.....	flag
1	1	1	0.1000	0.000	0.000	0.000	2.000
2	2	1	0.2000	0.000	0.000	0.000	2.000
3	3	1	0.2000	0.000	0.000	0.000	2.000
4	4	1	0.2000	0.000	0.000	0.000	2.000
5	5	1	0.2000	0.000	0.000	0.000	2.000
6	6	1	0.2000	0.000	0.000	0.000	2.000
7	7	1	0.2000	0.000	0.000	0.000	2.000
8	8	1	0.2000	0.000	0.000	0.000	2.000
9	9	1	0.2000	0.000	0.000	0.000	2.000

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10	10	1	0.2000	0.000	0.000	0.000	2.000
11	11	1	0.2000	0.000	0.000	0.000	2.000
12	12	1	0.2000	0.000	0.000	0.000	2.000
13	13	1	0.2000	0.000	0.000	0.000	2.000
14	14	1	0.2000	0.000	0.000	0.000	2.000
15	15	1	0.2000	0.000	0.000	0.000	2.000
16	16	1	0.2000	0.000	0.000	0.000	2.000
17	17	1	0.2000	0.000	0.000	0.000	2.000
18	18	1	0.2000	0.000	0.000	0.000	2.000
19	19	1	0.2000	0.000	0.000	0.000	2.000
20	20	1	0.2000	0.000	0.000	0.000	2.000
21	21	1	0.2000	0.000	0.000	0.000	2.000
22	22	1	0.2000	0.000	0.000	0.000	2.000
23	23	1	0.2000	0.000	0.000	0.000	2.000
24	24	1	0.2000	0.000	0.000	0.000	2.000
25	25	1	0.2000	0.000	0.000	0.000	2.000
26	26	1	0.2000	0.000	0.000	0.000	2.000
27	27	1	0.2000	0.000	0.000	0.000	2.000
28	28	1	0.2000	0.000	0.000	0.000	2.000
29	29	1	0.2000	0.000	0.000	0.000	2.000
30	30	1	0.2000	0.000	0.000	0.000	2.000
31	31	1	0.2000	0.000	0.000	0.000	2.000
32	32	1	0.2000	0.000	0.000	0.000	2.000
33	33	1	0.2000	0.000	0.000	0.000	2.000
34	34	1	0.2000	0.000	0.000	0.000	2.000
35	35	1	0.2000	0.000	0.000	0.000	2.000
36	36	1	0.2000	0.000	0.000	0.000	2.000
37	37	1	0.2000	0.000	0.000	0.000	2.000
38	38	1	0.2000	0.000	0.000	0.000	2.000
39	39	1	0.2000	0.000	0.000	0.000	2.000
40	40	1	0.2000	0.000	0.000	0.000	2.000
41	41	1	0.2000	0.000	0.000	0.000	2.000
42	42	1	0.2000	0.000	0.000	0.000	2.000
43	43	1	0.2000	0.000	0.000	0.000	2.000
44	44	1	0.2000	0.000	0.000	0.000	2.000
45	45	1	0.2000	0.000	0.000	0.000	2.000
46	46	1	0.1000	0.000	0.000	0.000	2.000

ELEMENT GROUP NO. 3

WallElement_33 :
 2 45 0 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 0

.....
2D WALL ELEMENT.....

element group behaviour throughout stage analysis

stage status

 1 active
 2 active

material set no. 1

prop(1) young modulus 0.210000E+09
 prop(2) modification time 0.00000
 prop(3) new young modulus 0.00000
 prop(4) poisson ratio 0.00000
 prop(5) future0.140100E-43

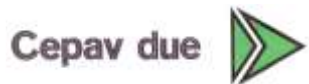
no. of step variable items: 1
 step inertia multiplier

 1 1.000
 2 1.000

element data

el	na	nb	mat	erc1	erc2	thick	by-i	by-j
1	1	2	1	0.000	0.000	0.1202	0.000	0.000
2	2	3	1	0.000	0.000	0.1202	0.000	0.000
3	3	4	1	0.000	0.000	0.1202	0.000	0.000
4	4	5	1	0.000	0.000	0.1202	0.000	0.000
5	5	6	1	0.000	0.000	0.1202	0.000	0.000
6	6	7	1	0.000	0.000	0.1202	0.000	0.000
7	7	8	1	0.000	0.000	0.1202	0.000	0.000
8	8	9	1	0.000	0.000	0.1202	0.000	0.000
9	9	10	1	0.000	0.000	0.1202	0.000	0.000
10	10	11	1	0.000	0.000	0.1202	0.000	0.000

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11	11	12	1	0.000	0.000	0.1202	0.000	0.000
12	12	13	1	0.000	0.000	0.1202	0.000	0.000
13	13	14	1	0.000	0.000	0.1202	0.000	0.000
14	14	15	1	0.000	0.000	0.1202	0.000	0.000
15	15	16	1	0.000	0.000	0.1202	0.000	0.000
16	16	17	1	0.000	0.000	0.1202	0.000	0.000
17	17	18	1	0.000	0.000	0.1202	0.000	0.000
18	18	19	1	0.000	0.000	0.1202	0.000	0.000
19	19	20	1	0.000	0.000	0.1202	0.000	0.000
20	20	21	1	0.000	0.000	0.1202	0.000	0.000
21	21	22	1	0.000	0.000	0.1202	0.000	0.000
22	22	23	1	0.000	0.000	0.1202	0.000	0.000
23	23	24	1	0.000	0.000	0.1202	0.000	0.000
24	24	25	1	0.000	0.000	0.1202	0.000	0.000
25	25	26	1	0.000	0.000	0.1202	0.000	0.000
26	26	27	1	0.000	0.000	0.1202	0.000	0.000
27	27	28	1	0.000	0.000	0.1202	0.000	0.000
28	28	29	1	0.000	0.000	0.1202	0.000	0.000
29	29	30	1	0.000	0.000	0.1202	0.000	0.000
30	30	31	1	0.000	0.000	0.1202	0.000	0.000
31	31	32	1	0.000	0.000	0.1202	0.000	0.000
32	32	33	1	0.000	0.000	0.1202	0.000	0.000
33	33	34	1	0.000	0.000	0.1202	0.000	0.000
34	34	35	1	0.000	0.000	0.1202	0.000	0.000
35	35	36	1	0.000	0.000	0.1202	0.000	0.000
36	36	37	1	0.000	0.000	0.1202	0.000	0.000
37	37	38	1	0.000	0.000	0.1202	0.000	0.000
38	38	39	1	0.000	0.000	0.1202	0.000	0.000
39	39	40	1	0.000	0.000	0.1202	0.000	0.000
40	40	41	1	0.000	0.000	0.1202	0.000	0.000
41	41	42	1	0.000	0.000	0.1202	0.000	0.000
42	42	43	1	0.000	0.000	0.1202	0.000	0.000
43	43	44	1	0.000	0.000	0.1202	0.000	0.000
44	44	45	1	0.000	0.000	0.1202	0.000	0.000
45	45	46	1	0.000	0.000	0.1202	0.000	0.000

NO. OF NODAL LOADS (NLOAD) 0
 NO. OF LOAD CURVES (NLCUR) 4
 MAXIMUM POINTS/LCURVE (NPTM)..... 5

L O A D D A T A

LOAD FUNCTION NUMBER = 1
 NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
------------	----------

0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
1.20000	0.0000E+00
3.00000	0.0000E+00

LOAD FUNCTION NUMBER = 2
 NUMBER OF TIME POINTS = 5

TIME VALUE	FUNCTION
------------	----------

0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
2.20000	0.0000E+00
3.00000	0.0000E+00

LOAD FUNCTION NUMBER = 3
 NUMBER OF TIME POINTS = 4

TIME VALUE	FUNCTION
------------	----------

0.00000	0.0000E+00
0.80000	0.0000E+00
1.00000	0.1000E+01
3.00000	0.1000E+01

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LOAD FUNCTION NUMBER = 4
NUMBER OF TIME POINTS = 4

TIME VALUE	FUNCTION
------------	----------

0.00000	0.0000E+00
1.80000	0.0000E+00
2.00000	0.1000E+01
3.00000	0.1000E+01

NO. OF DISTRIBUTED LOAD CARDS 0

LOAD BALANCE

STEP	1	TOTAL APPLIED LOAD IN DIR.	2	Y-DISPL.F	0.0000000
STEP	1	TOTAL APPLIED LOAD IN DIR.	4	X-ROT. F	0.0000000
STEP	2	TOTAL APPLIED LOAD IN DIR.	2	Y-DISPL.F	0.0000000
STEP	2	TOTAL APPLIED LOAD IN DIR.	4	X-ROT. F	0.0000000

LOAD INPUT SECTION COMPLETED

NO. OF LAYERS 1
NO. OF DATA PER LAYER..... 100

LAYER DESCRIPTORS FOR STEP NO. 1

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 1

ITEM NO.	1	NAME	= 8.0000	(BOTH WALLS)
ITEM NO.	2	NATURE	= 1.0000	(BOTH WALLS)
ITEM NO.	3	LEVEL	= 7.0000	(BOTH WALLS)
ITEM NO.	4	WALL	= 1.0000	(BOTH WALLS)
ITEM NO.	5	GAMMAD	= 19.000	(BOTH WALLS)
ITEM NO.	6	GAMMAB	= 9.0000	(BOTH WALLS)
ITEM NO.	7	GAMMAW	= 10.000	(BOTH WALLS)
ITEM NO.	9	U-FRICT	= 30.170	WALL NO. 1
ITEM NO.	9	U-FRICT	= 36.000	WALL NO. 2
ITEM NO.	10	U-KA	= 0.28900	WALL NO. 1
ITEM NO.	11	U-KP	= 4.3310	WALL NO. 1
ITEM NO.	12	K0-NC	= 0.50000	(BOTH WALLS)
ITEM NO.	13	NEXP	= 1.0000	(BOTH WALLS)
ITEM NO.	14	OCR	= 4.0000	(BOTH WALLS)
ITEM NO.	16	MODEL	= 1.0000	(BOTH WALLS)
ITEM NO.	17	EVC	= 47000.	(BOTH WALLS)
ITEM NO.	18	EUR	= 75150.	(BOTH WALLS)
ITEM NO.	27	U-PERM	= 0.10000E-05	(BOTH WALLS)
ITEM NO.	52	D-NATURE	= 1.0000	(BOTH WALLS)
ITEM NO.	53	D-LEVEL	= 0.0000	(BOTH WALLS)
ITEM NO.	59	D-FRICT	= 30.170	WALL NO. 1
ITEM NO.	59	D-FRICT	= 36.000	WALL NO. 2
ITEM NO.	60	D-KA	= 0.28900	WALL NO. 1
ITEM NO.	61	D-KP	= 4.3310	WALL NO. 1
ITEM NO.	77	D-PERM	= 0.10000E-05	(BOTH WALLS)

LAYER DESCRIPTORS FOR STEP NO. 2

NON ZERO LAYER DESCRIPTORS FOR LAYER NO. 1 FOR STEP NO. 2

ITEM NO.	1	NAME	= 8.0000	(BOTH WALLS)
ITEM NO.	2	NATURE	= 1.0000	(BOTH WALLS)
ITEM NO.	3	LEVEL	= 7.0000	(BOTH WALLS)
ITEM NO.	4	WALL	= 1.0000	(BOTH WALLS)
ITEM NO.	5	GAMMAD	= 19.000	(BOTH WALLS)
ITEM NO.	6	GAMMAB	= 9.0000	(BOTH WALLS)
ITEM NO.	7	GAMMAW	= 10.000	(BOTH WALLS)
ITEM NO.	9	U-FRICT	= 30.170	WALL NO. 1
ITEM NO.	9	U-FRICT	= 36.000	WALL NO. 2

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ITEM NO. 10	U-KA	>= 0.28900	WALL NO.	1
ITEM NO. 11	U-KP	>= 4.3310	WALL NO.	1
ITEM NO. 12	K0-NC	>= 0.50000	(BOTH WALLS)	
ITEM NO. 13	NEXP	>= 1.0000	(BOTH WALLS)	
ITEM NO. 14	OCR	>= 4.0000	(BOTH WALLS)	
ITEM NO. 16	MODEL	>= 1.0000	(BOTH WALLS)	
ITEM NO. 17	EVC	>= 47000.	(BOTH WALLS)	
ITEM NO. 18	EUR	>= 75150.	(BOTH WALLS)	
ITEM NO. 27	U-PERM	>= 0.10000E-05	(BOTH WALLS)	
ITEM NO. 52	D-NATURE	>= 1.0000	(BOTH WALLS)	
ITEM NO. 53	D-LEVEL	>= 0.0000	(BOTH WALLS)	
ITEM NO. 59	D-FRICT	>= 30.170	WALL NO.	1
ITEM NO. 59	D-FRICT	>= 36.000	WALL NO.	2
ITEM NO. 60	D-KA	>= 0.28900	WALL NO.	1
ITEM NO. 61	D-KP	>= 4.3310	WALL NO.	1
ITEM NO. 77	D-PERM	>= 0.10000E-05	(BOTH WALLS)	

DEFAULT WATER UNIT WEIGHT = 10.000
AVERAGED ON 2 VALUES

PHASE DESCRIPTORS

STEP NO. 1

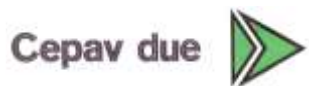
	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	0.000	0.000
Z-WATER_TABLE	-20.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-9.000	-9.000
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB._FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000
SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL. Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

=====end of step 1

STEP NO. 2

	LEFT WALL	RIGHT WALL
Y	0.000	-0.9990E+30
Z-PC	0.000	0.000
Z-EXCAVATION	-3.400	0.000
Z-WATER_TABLE	-20.00	-0.9990E+30
Q_AT_THE_FREE_FIELD_LEVEL	0.000	0.000
ZQ	0.000	0.000
DZW_OF_THE_WATER_TABLE	0.000	0.000
QS_ON_THE_EXCAVATION_SIDE	0.000	0.000
ZQS	0.000	-0.9990E+30
ZCUT	0.000	0.000
BALANCE LEVEL FOR PORE PRESSURES	-9.000	-9.000
WATER_BEHAVIOUR_FLAG (LINING OPT)	0.000	0.000
PORE_UPDATE_FLAG	0.000	0.000
PORE_TAB._FLAG (gt.0= use tabs)	0.000	0.000
lateral thrusts reduction elevatio	0.000	0.000
Downhill reduction factor for effe	0.000	0.000
Downhill reduction factor for pore	0.000	0.000
Uphill reduction factor for effect	0.000	0.000
Uphill reduction factor for pore p	0.000	0.000

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SEISMIC HORIZONTAL ACCEL. Kh [g]	0.000	0.000
UPHILL VERTICAL ACCEL. Kv_uh [g]	0.000	0.000
DOWNHILL VERTICAL ACCEL. Kv_dh [g]	0.000	0.000
UPHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
UPHILL DELTA/PHI RATIO	0.000	0.000
DOWNHILL BETA ANGLE (SLOPE) [deg]	0.000	0.000
DOWNHILL DELTA/PHI RATIO	0.000	0.000
DYN.WATER BEHAVIOUR	0.000	0.000
Excess pore pressure RATIO Ru	0.000	0.000
SEISMIC PRESSURE LOWER VALUE	0.000	0.000
SEISMIC PRESSURE UPPER VALUE	0.000	0.000
SEISMIC PRESSURE LOWER LEVEL	0.000	0.000
SEISMIC PRESSURE UPPER LEVEL	0.000	0.000

=====end of step 2

LEFT-HAND WALL

LOWER LEVEL	-9.00000
UPPER LEVEL	0.00000

RIGHT-HAND WALL

LOWER LEVEL	-9.00000
UPPER LEVEL	0.00000

I N I T I A L S T R E S S T A B L E S

S E C T I O N

NUMBER OF DEFINED TABLES 91

INPUT DATA FOR INITIAL STRESS SET NO. 1
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY)	6.950000000000000
FOUNDATION WIDTH (B)	7.550000000000000
ZETA-F.....	3.650000000000000
Q-F	40.000000000000000
BETA	45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING)	0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 2
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY)	0.000000000000000E+000
FOUNDATION WIDTH (B)	0.400000000000000
ZETA-F.....	0.000000000000000E+000
Q-F	2.579000000000000
BETA	45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING)	0.000000000000000E+000

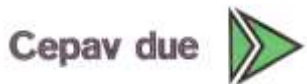
INPUT DATA FOR INITIAL STRESS SET NO. 3
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY)	0.400000000000000
FOUNDATION WIDTH (B)	0.400000000000000
ZETA-F.....	0.000000000000000E+000
Q-F	7.736000000000000
BETA	45.000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING)	0.000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 4
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.8000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 12.8900000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 5
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.2000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 18.0500000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 6
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.6000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 23.2100000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 7
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.0000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 28.3600000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 8
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

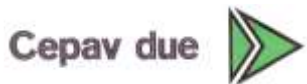
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.4000000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 33.5200000000000000
BETA 45.0000000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 9
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

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TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 10
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 36.1000000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 11
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 37.0600000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 12
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 41.6400000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 13
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 46.5700000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

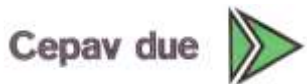
INPUT DATA FOR INITIAL STRESS SET NO. 14
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000

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ZETA-F..... 0.000000000000000E+000
 Q-F 51.4900000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 15
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.20000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 56.4200000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 16
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.60000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 61.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 17
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.00000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 66.2700000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 18
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.40000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3100000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

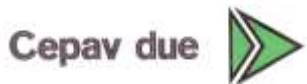
INPUT DATA FOR INITIAL STRESS SET NO. 19
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.80000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 20
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 21
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 22
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 23
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 24
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

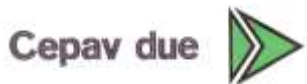
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 25
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000

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END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 26
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 27
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 28
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 29
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

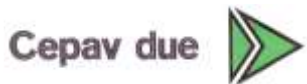
INPUT DATA FOR INITIAL STRESS SET NO. 30
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.200000000000000

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FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 31
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.6000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 32
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.0000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 33
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.4000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 34
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.8000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

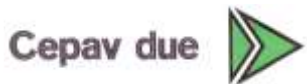
INPUT DATA FOR INITIAL STRESS SET NO. 35
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.2000000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.3500000000000000
 BETA 45.0000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 36
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.60000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 37
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.00000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 38
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.40000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 39
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.80000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 40
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

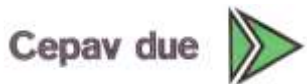
ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.20000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 66.98000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 41
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.6000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 62.2300000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 42
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.0000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 57.4700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 43
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.4000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 52.7300000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 44
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.8000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 47.9700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 45
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

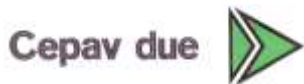
HORIZONTAL DISTANCE (DY) 17.2000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 43.2300000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 46
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 1.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 1.0000

TYPE BOUSSINESQ

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HORIZONTAL DISTANCE (DY) 17.6000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 38.4700000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 47
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.000000000000000E+000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 2.579000000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 48
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 7.736000000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 49
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 0.800000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 12.8900000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 50
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.200000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 18.0500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

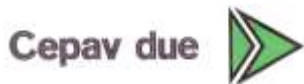
INPUT DATA FOR INITIAL STRESS SET NO. 51
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 1.600000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 23.2100000000000
 BETA 45.0000000000000

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BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 52
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 28.3600000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 53
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 33.5200000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 54
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 2.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 36.1000000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 55
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

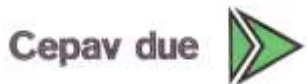
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 36.1000000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 56
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 3.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 37.0600000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000INPUT DATA FOR INITIAL STRESS SET NO. 57
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

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ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 41.6400000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 58
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 46.5700000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 59
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 4.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 51.4900000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 60
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 5.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 56.4200000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 61
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

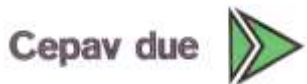
HORIZONTAL DISTANCE (DY) 5.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 61.3500000000000
BETA 45.0000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 62
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

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HORIZONTAL DISTANCE (DY) 6.000000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 66.2700000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 63
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3100000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 64
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 6.800000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 65
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.200000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 66
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 7.600000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000
 BETA 45.0000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

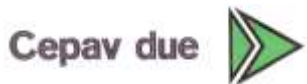
INPUT DATA FOR INITIAL STRESS SET NO. 67
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.000000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.3500000000000

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BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 68
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.400000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 69
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 8.800000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 70
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.200000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 71
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 9.600000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 72
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

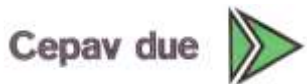
ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.000000000000000
FOUNDATION WIDTH (B) 0.400000000000000
ZETA-F..... 0.000000000000000E+000
Q-F 69.35000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 73

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PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.40000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 74
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 10.80000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 75
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.20000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 76
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 11.60000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 77
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

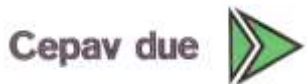
TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.00000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.0000000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 78
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

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TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.350000000000000
 BETA 45.000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 79
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 12.800000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.350000000000000
 BETA 45.000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 80
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.200000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.350000000000000
 BETA 45.000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 81
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 13.600000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.350000000000000
 BETA 45.000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 82
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.000000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000
 Q-F 69.350000000000000
 BETA 45.000000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.000000000000000E+000

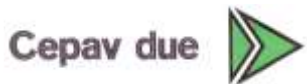
INPUT DATA FOR INITIAL STRESS SET NO. 83
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.400000000000000
 FOUNDATION WIDTH (B) 0.400000000000000
 ZETA-F..... 0.000000000000000E+000

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Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 84
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 14.80000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 69.35000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 85
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.20000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 66.98000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 86
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 15.60000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 62.23000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 87
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.00000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 57.47000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 88
 PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
 END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.40000000000000
 FOUNDATION WIDTH (B) 0.4000000000000000
 ZETA-F..... 0.00000000000000E+000
 Q-F 52.73000000000000
 BETA 45.00000000000000
 BEHAVIOUR (0=FREE, 1=REFLECTING) 0.00000000000000E+000

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INPUT DATA FOR INITIAL STRESS SET NO. 89
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 16.80000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 47.97000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 90
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.20000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 43.23000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

INPUT DATA FOR INITIAL STRESS SET NO. 91
PERTAINING SOIL ELEMENTS AT Y-COORD 0.0000

ACTIVATION TIME 2.0000
END TIME (TIME BEYOND WHICH IT IS REMOVED) 2.0000

TYPE BOUSSINESQ

HORIZONTAL DISTANCE (DY) 17.60000000000000
FOUNDATION WIDTH (B) 0.4000000000000000
ZETA-F..... 0.0000000000000000E+000
Q-F 38.47000000000000
BETA 45.00000000000000
BEHAVIOUR (0=FREE, 1=REFLECTING) 0.0000000000000000E+000

ELEMENT GROUPS BACKUP AREA CAN STAY IN CORE AT
POSITION 2353

NO. OF D.P.W FOR THIS AREA 5424
MAX NO. OF D.P.W. AVAILABLE 81920
** MAX NO OF ITERATIONS SET TO 100

ITER 0 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1666E+06 RIMNOR= 0.000
RENORM=0.5214E-27 REMNOR= 0.000 RATIO =0.5595E-16 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX = 0.000
RTSMAL=0.1000E-03 RMSMAL= 0.000
RDT =0.1666E+06 RDR = 0.000
RATIOT=0.5595E-16 RATIOR= 0.000
MAX UN=0.7105E-14 IEQ= 57 NODE 29 DOF 1 Y-DISPL.F
MIN UN=-.1421E-13 IEQ= 61 NODE 31 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 1 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1666E+06 RIMNOR= 0.000
RENORM=0.3869E-28 REMNOR=0.6723E-55 RATIO =0.1524E-16 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX = 0.000
RTSMAL=0.1000E-03 RMSMAL= 0.000
RDT =0.1666E+06 RDR = 0.000
RATIOT=0.1524E-16 RATIOR= 0.000
MAX UN=0.1037E-14 IEQ= 27 NODE 14 DOF 1 Y-DISPL.F
MIN UN=-.1941E-14 IEQ= 61 NODE 31 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 2 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1666E+06 RIMNOR= 0.000
RENORM=0.3195E-28 REMNOR=0.1432E-54 RATIO =0.1385E-16 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX = 0.000
RTSMAL=0.1000E-03 RMSMAL= 0.000
RDT =0.1666E+06 RDR = 0.000

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RATIO=0.1385E-16 RATIO= 0.000
 MAX UN=0.8680E-15 IEQ= 23 NODE 12 DOF 1 Y-DISPL.F
 MIN UN=-.1526E-14 IEQ= 63 NODE 32 DOF 1 Y-DISPL.F
 NO. OF CONTACT CONSTRAINT VIOLATIONS 0

SOLUTION REACHED USING 2 ITERATIONS ON 100

PRINT OUT FOR TIME STEP 1 (AT TIME 1.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

Y-DISPL.F X-ROT. F
 (02) (04) (

ALL NODAL POINTS HAVE ZERO DISPLACEMENT COMPONENTS

STRESS RESULTS FOR GROUP NO. 1

O_L :
 ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 46
 CURRENT TIME IS 1.0000

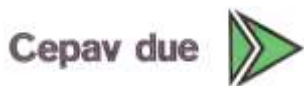
HARDENING 2D SOIL ELEMENT

***** TOTAL STRESS FORMULATION *****

EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Peq	Su_a	Su_p	LAYER									
1 D	0.5245	-1.2978E-20	3.369	5.245	3.369	5.245	V-C	6.8072E+04	0.000	0.000	1.000	1.000
5.245	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2 D	3.694	-1.9923E-20	6.654	18.47	15.20	18.47	V-C	6.8072E+04	-0.2000	0.000	1.000	1.000
18.47	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3 D	5.879	-2.6835E-20	11.27	29.40	30.40	29.40	V-C	6.8072E+04	-0.4000	0.000	1.000	1.000
29.40	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4 D	7.899	-3.3624E-20	16.13	39.49	45.60	39.49	V-C	6.8072E+04	-0.6000	0.000	1.000	1.000
39.49	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5 D	9.809	-4.0152E-20	21.33	49.04	60.80	49.04	V-C	6.8072E+04	-0.8000	0.000	1.000	1.000
49.04	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6 D	11.64	-4.6406E-20	26.13	58.20	76.00	58.20	V-C	6.8072E+04	-1.000	0.000	1.000	1.000
58.20	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7 D	13.41	-5.2596E-20	31.42	67.06	91.20	67.06	V-C	6.8072E+04	-1.200	0.000	1.000	1.000
67.06	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8 D	15.14	-5.8862E-20	36.15	75.68	106.4	75.68	V-C	6.8072E+04	-1.400	0.000	1.000	1.000
75.68	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9 D	16.82	-6.5174E-20	41.45	84.11	121.6	84.11	V-C	6.8072E+04	-1.600	0.000	1.000	1.000
84.11	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	18.47	-7.1316E-20	46.11	92.37	136.8	92.37	V-C	6.8072E+04	-1.800	0.000	1.000	1.000
92.37	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	20.10	-7.6871E-20	51.40	100.5	152.0	100.5	V-C	6.8072E+04	-2.000	0.000	1.000	1.000
100.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	21.71	-8.1207E-20	56.00	108.5	167.2	108.5	V-C	6.8072E+04	-2.200	0.000	1.000	1.000
108.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	23.29	-8.3469E-20	61.25	116.4	182.4	116.4	V-C	6.8072E+04	-2.400	0.000	1.000	1.000
116.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	24.86	-8.2731E-20	65.81	124.3	197.6	124.3	V-C	6.8072E+04	-2.600	0.000	1.000	1.000
124.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	26.41	-7.8462E-20	71.03	132.0	212.8	132.0	V-C	6.8072E+04	-2.800	0.000	1.000	1.000
132.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	27.94	-7.0382E-20	75.50	139.7	228.0	139.7	V-C	6.8072E+04	-3.000	0.000	1.000	1.000
139.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	29.47	-5.9252E-20	80.61	147.4	243.2	147.4	V-C	6.8072E+04	-3.200	0.000	1.000	1.000
147.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	30.99	-4.5962E-20	85.01	154.9	258.4	154.9	V-C	6.8072E+04	-3.400	0.000	1.000	1.000
154.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	32.49	-3.1243E-20	89.94	162.5	273.6	162.5	V-C	6.8072E+04	-3.600	0.000	1.000	1.000
162.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	33.99	-1.5703E-20	94.28	170.0	288.8	170.0	V-C	6.8072E+04	-3.800	0.000	1.000	1.000
170.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	35.49	1.3208E-22	99.12	177.4	304.0	177.4	V-C	6.8072E+04	-4.000	0.000	1.000	1.000
177.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	36.97	1.5782E-20	103.4	184.9	319.2	184.9	V-C	6.8072E+04	-4.200	0.000	1.000	1.000
184.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	38.45	3.1070E-20	108.3	192.3	334.4	192.3	V-C	6.8072E+04	-4.400	0.000	1.000	1.000

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192.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
24 D	39.93	4.7014E-20	112.6 199.6 349.6	199.6	V-C	6.8072E+04	-4.600	0.000	1.000	1.000
199.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
25 D	41.40	6.4526E-20	117.4 207.0 364.8	207.0	V-C	6.8072E+04	-4.800	0.000	1.000	1.000
207.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
26 D	42.86	8.3114E-20	122.0 214.3 380.0	214.3	V-C	6.8072E+04	-5.000	0.000	1.000	1.000
214.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
27 D	44.33	1.0177E-19	127.2 221.6 395.2	221.6	V-C	6.8072E+04	-5.200	0.000	1.000	1.000
221.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
28 D	45.79	1.1923E-19	131.6 228.9 410.4	228.9	V-C	6.8072E+04	-5.400	0.000	1.000	1.000
228.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
29 D	47.25	1.3424E-19	136.7 236.2 425.6	236.2	V-C	6.8072E+04	-5.600	0.000	1.000	1.000
236.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
30 D	48.70	1.4615E-19	141.3 243.5 440.8	243.5	V-C	6.8072E+04	-5.800	0.000	1.000	1.000
243.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
31 D	50.16	1.5302E-19	146.2 250.8 456.0	250.8	V-C	6.8072E+04	-6.000	0.000	1.000	1.000
250.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
32 D	51.61	1.5281E-19	150.7 258.1 471.2	258.1	V-C	6.8072E+04	-6.200	0.000	1.000	1.000
258.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
33 D	53.06	1.4591E-19	155.8 265.3 486.4	265.3	V-C	6.8072E+04	-6.400	0.000	1.000	1.000
265.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
34 D	54.51	1.3417E-19	160.1 272.6 501.6	272.6	V-C	6.8072E+04	-6.600	0.000	1.000	1.000
272.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
35 D	55.96	1.1936E-19	165.1 279.8 516.8	279.8	V-C	6.8072E+04	-6.800	0.000	1.000	1.000
279.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
36 D	57.41	1.0288E-19	169.5 287.1 532.0	287.1	V-C	6.8072E+04	-7.000	0.000	1.000	1.000
287.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
37 D	58.86	8.5782E-20	174.3 294.3 547.2	294.3	V-C	6.8072E+04	-7.200	0.000	1.000	1.000
294.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
38 D	60.31	6.8812E-20	178.6 301.6 562.4	301.6	V-C	6.8072E+04	-7.400	0.000	1.000	1.000
301.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
39 D	61.76	5.2442E-20	183.3 308.8 577.6	308.8	V-C	6.8072E+04	-7.600	0.000	1.000	1.000
308.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
40 D	63.21	3.6916E-20	187.5 316.1 592.8	316.1	V-C	6.8072E+04	-7.800	0.000	1.000	1.000
316.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
41 D	64.66	2.2294E-20	192.3 323.3 608.0	323.3	V-C	6.8072E+04	-8.000	0.000	1.000	1.000
323.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
42 D	66.11	8.4996E-21	196.3 330.6 623.2	330.6	V-C	6.8072E+04	-8.200	0.000	1.000	1.000
330.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
43 D	67.56	-4.6344E-21	201.0 337.8 638.4	337.8	V-C	6.8072E+04	-8.400	0.000	1.000	1.000
337.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
44 D	69.01	-1.7318E-20	205.2 345.1 653.6	345.1	V-C	6.8072E+04	-8.600	0.000	1.000	1.000
345.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
45 D	70.46	-2.9757E-20	209.7 352.3 668.8	352.3	V-C	6.8072E+04	-8.800	0.000	1.000	1.000
352.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
46 D	35.96	-4.2111E-20	213.8 359.6 684.0	359.6	V-C	6.8072E+04	-9.000	0.000	1.000	1.000
359.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
S T R E S S R E S U L T S F O R G R O U P N O . 2										
O_R :										
ELEMENT TYPE 5 NO.OF ELEMENTS. IN THIS GROUP 46										
C U R R E N T T I M E I S 1.0000										
HARDENING 2D SOIL ELEMENT										
***** TOTAL STRESS FORMULATION *****										
EL *	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE
Peq	Su_a	Su_p	LAYER							E FACTOR
										UFACTOR
1 D	0.5245	1.2978E-20	0.000	5.245	0.000	5.245	V-C	4.5071E+04	0.000	1.000
5.245	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
2 D	3.694	1.9923E-20	3.800	18.47	15.20	18.47	V-C	4.5071E+04	-0.2000	1.000
18.47	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
3 D	5.879	2.6835E-20	7.600	29.40	30.40	29.40	V-C	4.5071E+04	-0.4000	1.000
29.40	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
4 D	7.899	3.3624E-20	11.40	39.49	45.60	39.49	V-C	4.5071E+04	-0.6000	1.000
39.49	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
5 D	9.809	4.0152E-20	15.20	49.04	60.80	49.04	V-C	4.5071E+04	-0.8000	1.000
49.04	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
6 D	11.64	4.6406E-20	19.00	58.20	76.00	58.20	V-C	4.5071E+04	-1.000	1.000
58.20	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
7 D	13.41	5.2596E-20	22.80	67.06	91.20	67.06	V-C	4.5071E+04	-1.200	1.000
67.06	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
8 D	15.14	5.8862E-20	26.60	75.68	106.4	75.68	V-C	4.5071E+04	-1.400	1.000
75.68	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
9 D	16.82	6.5174E-20	30.40	84.11	121.6	84.11	V-C	4.5071E+04	-1.600	1.000
84.11	0.000	0.000	Sabbiaeghiaia_164_165_L_0							
10 D	18.47	7.1316E-20	34.20	92.37	136.8	92.37	V-C	4.5071E+04	-1.800	1.000
92.37	0.000	0.000	Sabbiaeghiaia_164_165_L_0							

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11 D	20.10	7.6871E-20	38.00	100.5	152.0	100.5	V-C	4.5071E+04	-2.000	0.000	1.000	1.000
100.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	21.71	8.1207E-20	41.80	108.5	167.2	108.5	V-C	4.5071E+04	-2.200	0.000	1.000	1.000
108.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	23.29	8.3469E-20	45.60	116.4	182.4	116.4	V-C	4.5071E+04	-2.400	0.000	1.000	1.000
116.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	24.86	8.2731E-20	49.40	124.3	197.6	124.3	V-C	4.5071E+04	-2.600	0.000	1.000	1.000
124.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	26.41	7.8462E-20	53.20	132.0	212.8	132.0	V-C	4.5071E+04	-2.800	0.000	1.000	1.000
132.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	27.94	7.0382E-20	57.00	139.7	228.0	139.7	V-C	4.5071E+04	-3.000	0.000	1.000	1.000
139.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	29.47	5.9252E-20	60.80	147.4	243.2	147.4	V-C	4.5071E+04	-3.200	0.000	1.000	1.000
147.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	30.99	4.5962E-20	64.60	154.9	258.4	154.9	V-C	4.5071E+04	-3.400	0.000	1.000	1.000
154.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	32.49	3.1243E-20	68.40	162.5	273.6	162.5	V-C	4.5071E+04	-3.600	0.000	1.000	1.000
162.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	33.99	1.5703E-20	72.20	170.0	288.8	170.0	V-C	4.5071E+04	-3.800	0.000	1.000	1.000
170.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	35.49	-1.3208E-22	76.00	177.4	304.0	177.4	V-C	4.5071E+04	-4.000	0.000	1.000	1.000
177.4	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	36.97	-1.5782E-20	79.80	184.9	319.2	184.9	V-C	4.5071E+04	-4.200	0.000	1.000	1.000
184.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	38.45	-3.1070E-20	83.60	192.3	334.4	192.3	V-C	4.5071E+04	-4.400	0.000	1.000	1.000
192.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	39.93	-4.7014E-20	87.40	199.6	349.6	199.6	V-C	4.5071E+04	-4.600	0.000	1.000	1.000
199.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	41.40	-6.4526E-20	91.20	207.0	364.8	207.0	V-C	4.5071E+04	-4.800	0.000	1.000	1.000
207.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
26 D	42.86	-8.3114E-20	95.00	214.3	380.0	214.3	V-C	4.5071E+04	-5.000	0.000	1.000	1.000
214.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
27 D	44.33	-1.0177E-19	98.80	221.6	395.2	221.6	V-C	4.5071E+04	-5.200	0.000	1.000	1.000
221.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
28 D	45.79	-1.1923E-19	102.6	228.9	410.4	228.9	V-C	4.5071E+04	-5.400	0.000	1.000	1.000
228.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
29 D	47.25	-1.3424E-19	106.4	236.2	425.6	236.2	V-C	4.5071E+04	-5.600	0.000	1.000	1.000
236.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
30 D	48.70	-1.4615E-19	110.2	243.5	440.8	243.5	V-C	4.5071E+04	-5.800	0.000	1.000	1.000
243.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
31 D	50.16	-1.5302E-19	114.0	250.8	456.0	250.8	V-C	4.5071E+04	-6.000	0.000	1.000	1.000
250.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
32 D	51.61	-1.5281E-19	117.8	258.1	471.2	258.1	V-C	4.5071E+04	-6.200	0.000	1.000	1.000
258.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
33 D	53.06	-1.4591E-19	121.6	265.3	486.4	265.3	V-C	4.5071E+04	-6.400	0.000	1.000	1.000
265.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
34 D	54.51	-1.3417E-19	125.4	272.6	501.6	272.6	V-C	4.5071E+04	-6.600	0.000	1.000	1.000
272.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
35 D	55.96	-1.1936E-19	129.2	279.8	516.8	279.8	V-C	4.5071E+04	-6.800	0.000	1.000	1.000
279.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
36 D	57.41	-1.0288E-19	133.0	287.1	532.0	287.1	V-C	4.5071E+04	-7.000	0.000	1.000	1.000
287.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
37 D	58.86	-8.5782E-20	136.8	294.3	547.2	294.3	V-C	4.5071E+04	-7.200	0.000	1.000	1.000
294.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
38 D	60.31	-6.8812E-20	140.6	301.6	562.4	301.6	V-C	4.5071E+04	-7.400	0.000	1.000	1.000
301.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
39 D	61.76	-5.2442E-20	144.4	308.8	577.6	308.8	V-C	4.5071E+04	-7.600	0.000	1.000	1.000
308.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
40 D	63.21	-3.6916E-20	148.2	316.1	592.8	316.1	V-C	4.5071E+04	-7.800	0.000	1.000	1.000
316.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
41 D	64.66	-2.2294E-20	152.0	323.3	608.0	323.3	V-C	4.5071E+04	-8.000	0.000	1.000	1.000
323.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
42 D	66.11	-8.4996E-21	155.8	330.6	623.2	330.6	V-C	4.5071E+04	-8.200	0.000	1.000	1.000
330.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
43 D	67.56	4.6344E-21	159.6	337.8	638.4	337.8	V-C	4.5071E+04	-8.400	0.000	1.000	1.000
337.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
44 D	69.01	1.7318E-20	163.4	345.1	653.6	345.1	V-C	4.5071E+04	-8.600	0.000	1.000	1.000
345.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
45 D	70.46	2.9757E-20	167.2	352.3	668.8	352.3	V-C	4.5071E+04	-8.800	0.000	1.000	1.000
352.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
46 D	35.96	4.2111E-20	171.0	359.6	684.0	359.6	V-C	4.5071E+04	-9.000	0.000	1.000	1.000
359.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

STRESS RESULTS FOR GROUP NO. 3

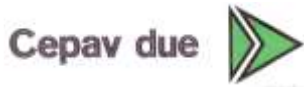
WallElement_33 :

ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 45

CURRENT TIME IS 1.0000

WALL2D ELEMENT

GENERAL CONTRACTOR



ALTA SORVEGLIANZA



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EL	TA	TB	MA	MB
1-8.29394E-17	8.29394E-17	1.26218E-29	1.65879E-17	
2-3.30370E-16	3.30370E-16	1.65879E-17	8.26618E-17	
3-6.59194E-16	6.59194E-16	8.26618E-17	2.14501E-16	
4-1.80694E-16	1.80694E-16	2.14501E-16	2.50639E-16	
5 1.10635E-15	1.10635E-15	2.50639E-16	2.93691E-17	
6 5.39668E-16	5.39668E-16	2.93691E-17	7.85645E-17	
7-1.00675E-16	1.00675E-16	7.85645E-17	5.84295E-17	
8-8.09018E-16	8.09018E-16	5.84295E-17	1.03374E-16	
9-1.57723E-15	1.57723E-15	1.03374E-16	4.18821E-16	
10-2.39423E-15	2.39423E-15	4.18821E-16	8.97666E-16	
11-3.24561E-15	3.24561E-15	8.97666E-16	1.54679E-15	
12-4.11357E-15	4.11357E-15	1.54679E-15	2.36950E-15	
13-1.42441E-15	1.42441E-15	2.36950E-15	2.65438E-15	
14-2.25996E-15	2.25996E-15	2.65438E-15	3.10638E-15	
15 4.06314E-15	4.06314E-15	3.10638E-15	2.29375E-15	
16 3.35972E-15	3.35972E-15	2.29375E-15	1.62180E-15	
17 2.76017E-15	2.76017E-15	1.62180E-15	1.06977E-15	
18 2.28760E-15	2.28760E-15	1.06977E-15	6.12248E-16	
19 1.96245E-15	1.96245E-15	6.12248E-16	2.19757E-16	
20 1.80192E-15	1.80192E-15	2.19757E-16	1.40625E-16	
21 1.81960E-15	1.81960E-15	1.40625E-16	5.04545E-16	
22-5.08019E-15	5.08019E-15	5.04545E-16	5.11493E-16	
23-4.68086E-15	4.68086E-15	5.11493E-16	1.44766E-15	
24 3.01892E-15	3.01892E-15	1.44766E-15	8.43881E-16	
25 3.80468E-15	3.80468E-15	8.43881E-16	8.29447E-17	
26 4.77260E-15	4.77260E-15	8.29447E-17	8.71571E-16	
27 5.90716E-15	5.90716E-15	8.71571E-16	2.05300E-15	
28 8.08564E-17	8.08564E-17	2.05300E-15	2.06917E-15	
29 8.58154E-15	8.58154E-15	2.06917E-15	3.78548E-15	
30 1.00590E-14	1.00590E-14	3.78548E-15	5.79729E-15	
31-2.63015E-15	2.63015E-15	5.79729E-15	5.27126E-15	
32-8.20959E-15	8.20959E-15	5.27126E-15	3.62934E-15	
33-6.71885E-15	6.71885E-15	3.62934E-15	2.28557E-15	
34-5.30007E-15	5.30007E-15	2.28557E-15	1.22556E-15	
35-3.98533E-15	3.98533E-15	1.22556E-15	4.28491E-16	
36-2.80087E-15	2.80087E-15	4.28491E-16	1.31681E-16	
37-1.76667E-15	1.76667E-15	1.31681E-16	4.85014E-16	
38-8.96625E-16	8.96625E-16	4.85014E-16	6.64339E-16	
39-1.99327E-16	1.99327E-16	6.64339E-16	7.04205E-16	
40 3.20912E-16	3.20912E-16	7.04205E-16	6.40022E-16	
41 6.62839E-16	6.62839E-16	6.40022E-16	5.07454E-16	
42 8.27059E-16	8.27059E-16	5.07454E-16	3.42043E-16	
43 8.14984E-16	8.14984E-16	3.42043E-16	1.79046E-16	
44 6.28040E-16	6.28040E-16	1.79046E-16	5.34384E-17	
45 2.67187E-16	2.67187E-16	5.34384E-17	6.31089E-30	

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ITER      0 RNORM = 0.000      RMNORM= 0.000
          RINORM=0.1450E+06 RIMNOR=0.2914E-27
          RENORM=0.1174E+05 REMNOR=0.1432E-54 RATIO =0.2845      TOLER =0.1000E-03 NOT CONVERGED
          RFMAX = 70.46      RMMAX =0.5797E-14
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
          RDT =0.1450E+06 RDR =0.1000E-19
          RATIOT=0.2845      RATOR= 0.000
          MAX UN= 30.99      IEQ= 35 NODE      18 DOF      1 Y-DISPL.F
          MIN UN=-.1184E-14 IEQ= 71 NODE      36 DOF      1 Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0

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ITER      2 RNORM = 0.000      RMNORM= 0.000
          RINORM=0.1450E+06 RIMNOR=0.2914E-27
          RENORM= 116.1      REMNOR=0.3014E-21 RATIO =0.2830E-01 TOLER =0.1000E-03 NOT CONVERGED
          RFMAX = 70.46      RMMAX =0.5797E-14
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
          RDT =0.1450E+06 RDR =0.1000E-19
          RATIOT=0.2830E-01 RATOR= 0.000
          MAX UN= 3.284      IEQ= 19 NODE      10 DOF      1 Y-DISPL.F
          MIN UN=-.8016E-10 IEQ= 43 NODE      22 DOF      1 Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0

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ITER      3 RNORM = 0.000      RMNORM= 0.000
          RINORM=0.1450E+06 RIMNOR=0.2914E-27
          RENORM= 933.6      REMNOR=0.3305E-20 RATIO =0.8025E-01 TOLER =0.1000E-03 NOT CONVERGED
          RFMAX = 70.46      RMMAX =0.5797E-14
          RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
          RDT =0.1450E+06 RDR =0.1000E-19
          RATIOT=0.8025E-01 RATOR= 0.000
          MAX UN= 22.40      IEQ= 33 NODE      17 DOF      1 Y-DISPL.F
          MIN UN=-.2211      IEQ= 89 NODE      45 DOF      1 Y-DISPL.F
          NO. OF CONTACT CONSTRAINT VIOLATIONS      0

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ITER      4 RNORM = 0.000      RMNORM= 0.000

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RINORM=0.1450E+06 RIMNOR=0.2914E-27
RENORM= 453.5 REMNOR=0.2079E-20 RATIO =0.5593E-01 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5797E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1450E+06 RDR =0.1000E-19
RATIOT=0.5593E-01 RATIOR= 0.000
MAX UN= 18.01 IEQ= 41 NODE 21 DOF 1 Y-DISPL.F
MIN UN=-.2422 IEQ= 75 NODE 38 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 5 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1450E+06 RIMNOR=0.2914E-27
RENORM= 51.29 REMNOR=0.2291E-20 RATIO =0.1881E-01 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5797E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1450E+06 RDR =0.1000E-19
RATIOT=0.1881E-01 RATIOR= 0.000
MAX UN= 6.700 IEQ= 47 NODE 24 DOF 1 Y-DISPL.F
MIN UN=-.2120 IEQ= 87 NODE 44 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 6 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1450E+06 RIMNOR=0.2914E-27
RENORM=0.9450 REMNOR=0.1169E-20 RATIO =0.2553E-02 TOLER =0.1000E-03 NOT CONVERGED
RFMAX = 70.46 RMMAX =0.5797E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1450E+06 RDR =0.1000E-19
RATIOT=0.2553E-02 RATIOR= 0.000
MAX UN=0.9603 IEQ= 49 NODE 25 DOF 1 Y-DISPL.F
MIN UN=-.1658E-09 IEQ= 5 NODE 3 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

ITER 7 RNORM = 0.000 RMNORM= 0.000
RINORM=0.1450E+06 RIMNOR=0.2914E-27
RENORM=0.5337E-06 REMNOR=0.1312E-20 RATIO =0.1919E-05 TOLER =0.1000E-03 CONVERGED !
RFMAX = 70.46 RMMAX =0.5797E-14
RTSMAL=0.1000E-03 RMSMAL=0.1000E-19
RDT =0.1450E+06 RDR =0.1000E-19
RATIOT=0.1919E-05 RATIOR= 0.000
MAX UN=0.4340E-09 IEQ= 5 NODE 3 DOF 1 Y-DISPL.F
MIN UN=-.7306E-03 IEQ= 71 NODE 36 DOF 1 Y-DISPL.F
NO. OF CONTACT CONSTRAINT VIOLATIONS 0

SOLUTION REACHED USING 7 ITERATIONS ON 100

P R I N T O U T F O R T I M E S T E P 2 (A T T I M E 2.000)

PRINT OUT OF ACTIVE COMPONENTS (FIXED NODES ARE NOT PRINTED OUT)

	Y-DISPL.F (02)	X-ROT. F (04)	(
1	5.3443948E-02	-1.0924313E-02	
2	5.1259089E-02	-1.0924249E-02	
3	4.9074273E-02	-1.0923804E-02	
4	4.6889639E-02	-1.0922296E-02	
5	4.4705496E-02	-1.0918682E-02	
6	4.2522401E-02	-1.0911538E-02	
7	4.0341236E-02	-1.0899058E-02	
8	3.8163280E-02	-1.0879053E-02	
9	3.5990288E-02	-1.0848952E-02	
10	3.3824569E-02	-1.0805805E-02	
11	3.1669058E-02	-1.0746281E-02	
12	2.9527396E-02	-1.0666670E-02	
13	2.7404001E-02	-1.0562888E-02	
14	2.5304149E-02	-1.0430474E-02	
15	2.3234043E-02	-1.0264596E-02	
16	2.1200889E-02	-1.0060048E-02	
17	1.9212963E-02	-9.8112569E-03	
18	1.7279721E-02	-9.5122864E-03	
19	1.5411814E-02	-9.1568363E-03	
20	1.3621051E-02	-8.7404180E-03	
21	1.1919753E-02	-8.2625253E-03	
22	1.0319917E-02	-7.7266274E-03	
23	8.8324721E-03	-7.1401854E-03	
24	7.4664496E-03	-6.5146417E-03	
25	6.2281937E-03	-5.8654234E-03	
26	5.1205644E-03	-5.2119426E-03	
27	4.1424231E-03	-4.5734373E-03	
28	3.2892251E-03	-3.9644719E-03	
29	2.5539959E-03	-3.3950834E-03	

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30	1.9281252E-03	-2.8716935E-03
31	1.4020070E-03	-2.3979768E-03
32	9.6554452E-04	-1.9751413E-03
33	6.0862857E-04	-1.6021678E-03
34	3.2151221E-04	-1.2766722E-03
35	9.4987564E-05	-9.9575872E-04
36	-7.9585216E-05	-7.5675436E-04
37	-2.1036819E-04	-5.5756936E-04
38	-3.0511493E-04	-3.9592421E-04
39	-3.7103384E-04	-2.6871867E-04
40	-4.1465557E-04	-1.7231066E-04
41	-4.4174712E-04	-1.0273776E-04
42	-4.5726006E-04	-5.5805739E-05
43	-4.6528619E-04	-2.7125378E-05
44	-4.6902671E-04	-1.2192510E-05
45	-4.7077558E-04	-6.4455366E-06
46	-4.7191143E-04	-5.2959911E-06

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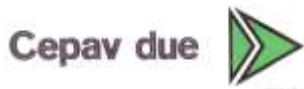
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ELEMENT TYPE      5 NO.OF ELEMENTS. IN THIS GROUP      46
C U R R E N T    T I M E      I S      2.0000

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***** TOTAL STRESS FORMULATION *****

EL	FORCE	DISPL-Y	VERTICAL-P	HORIZON.-P	MAX-V-P	MAX-H-P	STATE	STIFFNESS	Z-LEVEL	PORE	E FACTOR	UFACTOR
Req	Su_a	Su_p	LAYER									
1 D	9.7372E-02	-5.3444E-02	3.369	0.9737	3.369	5.245	ACTIVE	0.000	0.000	0.000	1.000	1.000
0.9737	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
2 D	0.3846	-5.1259E-02	6.654	1.923	15.20	18.47	ACTIVE	0.000	-0.2000	0.000	1.000	1.000
1.923	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
3 D	0.6513	-4.9074E-02	11.27	3.257	30.40	29.40	ACTIVE	0.000	-0.4000	0.000	1.000	1.000
3.257	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
4 D	0.9326	-4.6890E-02	16.13	4.663	45.60	39.49	ACTIVE	0.000	-0.6000	0.000	1.000	1.000
4.663	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
5 D	1.233	-4.4705E-02	21.33	6.165	60.80	49.04	ACTIVE	0.000	-0.8000	0.000	1.000	1.000
6.165	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
6 D	1.510	-4.2522E-02	26.13	7.552	76.00	58.20	ACTIVE	0.000	-1.000	0.000	1.000	1.000
7.552	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
7 D	1.816	-4.0341E-02	31.42	9.080	91.20	67.06	ACTIVE	0.000	-1.200	0.000	1.000	1.000
9.080	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
8 D	2.089	-3.8163E-02	36.15	10.45	106.4	75.68	ACTIVE	0.000	-1.400	0.000	1.000	1.000
10.45	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
9 D	2.396	-3.5990E-02	41.45	11.98	121.6	84.11	ACTIVE	0.000	-1.600	0.000	1.000	1.000
11.98	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
10 D	2.665	-3.3825E-02	46.11	13.33	136.8	92.37	ACTIVE	0.000	-1.800	0.000	1.000	1.000
13.33	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
11 D	2.971	-3.1669E-02	51.40	14.85	152.0	100.5	ACTIVE	0.000	-2.000	0.000	1.000	1.000
14.85	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
12 D	3.237	-2.9527E-02	56.00	16.18	167.2	108.5	ACTIVE	0.000	-2.200	0.000	1.000	1.000
16.18	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
13 D	3.541	-2.7404E-02	61.25	17.70	182.4	116.4	ACTIVE	0.000	-2.400	0.000	1.000	1.000
17.70	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
14 D	3.804	-2.5304E-02	65.81	19.02	197.6	124.3	ACTIVE	0.000	-2.600	0.000	1.000	1.000
19.02	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
15 D	4.105	-2.3234E-02	71.03	20.53	212.8	132.0	ACTIVE	0.000	-2.800	0.000	1.000	1.000
20.53	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
16 D	4.364	-2.1201E-02	75.50	21.82	228.0	139.7	ACTIVE	0.000	-3.000	0.000	1.000	1.000
21.82	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
17 D	4.659	-1.9213E-02	80.61	23.30	243.2	147.4	ACTIVE	0.000	-3.200	0.000	1.000	1.000
23.30	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
18 D	4.913	-1.7280E-02	85.01	24.57	258.4	154.9	ACTIVE	0.000	-3.400	0.000	1.000	1.000
24.57	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
19 D	5.199	-1.5412E-02	89.94	25.99	273.6	162.5	ACTIVE	0.000	-3.600	0.000	1.000	1.000
25.99	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
20 D	5.449	-1.3621E-02	94.28	27.25	288.8	170.0	ACTIVE	0.000	-3.800	0.000	1.000	1.000
27.25	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
21 D	5.729	-1.1920E-02	99.12	28.65	304.0	177.4	ACTIVE	0.000	-4.000	0.000	1.000	1.000
28.65	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
22 D	5.978	-1.0320E-02	103.4	29.89	319.2	184.9	ACTIVE	0.000	-4.200	0.000	1.000	1.000
29.89	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
23 D	6.259	-8.8325E-03	108.3	31.29	334.4	192.3	ACTIVE	0.000	-4.400	0.000	1.000	1.000
31.29	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
24 D	6.506	-7.4664E-03	112.6	32.53	349.6	199.6	ACTIVE	0.000	-4.600	0.000	1.000	1.000
32.53	0.000	0.000	Sabbiaeghiaia_164_165_L_0									
25 D	6.787	-6.2282E-03	117.4	33.93	364.8	207.0	ACTIVE	0.000	-4.800	0.000	1.000	1.000
33.93	0.000	0.000	Sabbiaeghiaia_164_165_L_0									

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13	0.000	--	--	--	--	REMOVED	--	-2.400	0.000	1.000	1.000
0.000	0.000	0.000	not available								
14	0.000	--	--	--	--	REMOVED	--	-2.600	0.000	1.000	1.000
0.000	0.000	0.000	not available								
15	0.000	--	--	--	--	REMOVED	--	-2.800	0.000	1.000	1.000
0.000	0.000	0.000	not available								
16	0.000	--	--	--	--	REMOVED	--	-3.000	0.000	1.000	1.000
0.000	0.000	0.000	not available								
17	0.000	--	--	--	--	REMOVED	--	-3.200	0.000	1.000	1.000
0.000	0.000	0.000	not available								
18 D	1.6458E-05	1.7280E-02	1.9000E-05	8.2289E-05	258.4	154.9	PASSIVE	0.000	-3.400	0.000	1.000
8.2289E-05	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
19 D	3.292	1.5412E-02	3.800	16.46	273.6	162.5	PASSIVE	0.000	-3.600	0.000	1.000
16.46	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
20 D	6.583	1.3621E-02	7.600	32.92	288.8	170.0	PASSIVE	0.000	-3.800	0.000	1.000
32.92	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
21 D	9.875	1.1920E-02	11.40	49.37	304.0	177.4	PASSIVE	0.000	-4.000	0.000	1.000
49.37	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
22 D	13.17	1.0320E-02	15.20	65.83	319.2	184.9	PASSIVE	0.000	-4.200	0.000	1.000
65.83	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
23 D	16.46	8.8325E-03	19.00	82.29	334.4	192.3	PASSIVE	0.000	-4.400	0.000	1.000
82.29	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
24 D	19.75	7.4664E-03	22.80	98.75	349.6	199.6	PASSIVE	0.000	-4.600	0.000	1.000
98.75	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
25 D	23.04	6.2282E-03	26.60	115.2	364.8	207.0	PASSIVE	0.000	-4.800	0.000	1.000
115.2	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
26 D	26.33	5.1206E-03	30.40	131.7	380.0	214.3	PASSIVE	0.000	-5.000	0.000	1.000
131.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
27 D	29.62	4.1424E-03	34.20	148.1	395.2	221.6	PASSIVE	0.000	-5.200	0.000	1.000
148.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
28 D	32.92	3.2892E-03	38.00	164.6	410.4	228.9	PASSIVE	0.000	-5.400	0.000	1.000
164.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
29 D	36.21	2.5540E-03	41.80	181.0	425.6	236.2	PASSIVE	0.000	-5.600	0.000	1.000
181.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
30 D	39.50	1.9281E-03	45.60	197.5	440.8	243.5	PASSIVE	0.000	-5.800	0.000	1.000
197.5	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
31 D	42.01	1.4020E-03	49.40	210.0	456.0	250.8	UL-RL	1.9076E+04	-6.000	0.000	1.000
210.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
32 D	44.58	9.6554E-04	53.20	222.9	471.2	258.1	UL-RL	1.9076E+04	-6.200	0.000	1.000
222.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
33 D	47.40	6.0863E-04	57.00	237.0	486.4	265.3	UL-RL	1.9076E+04	-6.400	0.000	1.000
237.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
34 D	50.42	3.2151E-04	60.80	252.1	501.6	272.6	UL-RL	1.9076E+04	-6.600	0.000	1.000
252.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
35 D	53.60	9.4988E-05	64.60	268.0	516.8	279.8	UL-RL	1.9076E+04	-6.800	0.000	1.000
268.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
36 D	56.34	-7.9585E-05	68.40	281.7	532.0	293.5	UL-RL	1.9076E+04	-7.000	0.000	1.000
281.7	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
37 D	57.52	-2.1037E-04	72.20	287.6	547.2	298.8	UL-RL	1.9076E+04	-7.200	0.000	1.000
287.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
38 D	58.80	-3.0511E-04	76.00	294.0	562.4	304.4	UL-RL	1.9076E+04	-7.400	0.000	1.000
294.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
39 D	60.17	-3.7103E-04	79.80	300.9	577.6	310.2	UL-RL	1.9076E+04	-7.600	0.000	1.000
300.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
40 D	61.61	-4.1466E-04	83.60	308.0	592.8	316.2	UL-RL	1.9076E+04	-7.800	0.000	1.000
308.0	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
41 D	62.98	-4.4175E-04	87.40	314.9	608.0	323.3	UL-RL	1.9076E+04	-8.000	0.000	1.000
314.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
42 D	64.37	-4.5726E-04	91.20	321.8	623.2	330.6	UL-RL	1.9076E+04	-8.200	0.000	1.000
321.8	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
43 D	65.79	-4.6529E-04	95.00	328.9	638.4	337.8	UL-RL	1.9076E+04	-8.400	0.000	1.000
328.9	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
44 D	67.22	-4.6903E-04	98.80	336.1	653.6	345.1	UL-RL	1.9076E+04	-8.600	0.000	1.000
336.1	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
45 D	68.67	-4.7078E-04	102.6	343.3	668.8	352.3	UL-RL	1.9076E+04	-8.800	0.000	1.000
343.3	0.000	0.000	Sabbiaeghiaia_164_165_L_0								
46 D	35.06	-4.7191E-04	106.4	350.6	684.0	359.6	UL-RL	1.9076E+04	-9.000	0.000	1.000
350.6	0.000	0.000	Sabbiaeghiaia_164_165_L_0								

S T R E S S R E S U L T S F O R G R O U P N O . 3

Wallelement_33 :

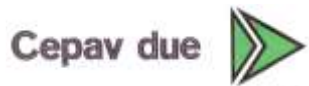
ELEMENT TYPE 2 NO.OF ELEMENTS. IN THIS GROUP 45

C U R R E N T T I M E I S 2.0000

WALL2D ELEMENT

EL	TA	TB	MA	MB
1	9.73722E-02	-9.73722E-02	-8.99902E-12	1.94744E-02
2	0.48200	-0.48200	-1.94744E-02	0.11587

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3	1.1333	-1.1333	-0.11587	0.34254
4	2.0659	-2.0659	-0.34254	0.75572
5	3.2990	-3.2990	-0.75572	1.4155
6	4.8093	-4.8093	-1.4155	2.3774
7	6.6254	-6.6254	-2.3774	3.7025
8	8.7149	-8.7149	-3.7025	5.4454
9	11.111	-11.111	-5.4454	7.6676
10	13.776	-13.776	-7.6676	10.423
11	16.747	-16.747	-10.423	13.772
12	19.984	-19.984	-13.772	17.769
13	23.524	-23.524	-17.769	22.474
14	27.328	-27.328	-22.474	27.939
15	31.433	-31.433	-27.939	34.226
16	35.797	-35.797	-34.226	41.385
17	40.456	-40.456	-41.385	49.476
18	45.369	-45.369	-49.476	58.550
19	47.276	-47.276	-58.550	68.005
20	46.143	-46.143	-68.005	77.234
21	41.997	-41.997	-77.234	85.633
22	34.809	-34.809	-85.633	92.595
23	24.609	-24.609	-92.595	97.517
24	11.366	-11.366	-97.517	99.790
25	-4.8885	4.8885	-99.790	98.812
26	-17.863	17.863	-98.812	95.240
27	-27.030	27.030	-95.240	89.834
28	-33.110	33.110	-89.834	83.212
29	-36.788	36.788	-83.212	75.854
30	-38.694	38.694	-75.854	68.115
31	-38.621	38.621	-68.115	60.391
32	-37.152	37.152	-60.391	52.961
33	-34.994	34.994	-52.961	45.962
34	-32.752	32.752	-45.962	39.412
35	-30.932	30.932	-39.412	33.225
36	-29.575	29.575	-33.225	27.310
37	-27.471	27.471	-27.310	21.816
38	-24.862	24.862	-21.816	16.844
39	-21.937	21.937	-16.844	12.456
40	-18.841	18.841	-12.456	8.6880
41	-15.564	15.564	-8.6880	5.5753
42	-12.171	12.171	-5.5753	3.1411
43	-8.7192	8.7192	-3.1411	1.3972
44	-5.2394	5.2394	-1.3972	0.34936
45	-1.7467	1.7467	-0.34936	1.64313E-14

F I N A L I N C R E M E N T A L A N A L Y S I S

S U M M A R Y

STEP NO. OF ITERATIONS

1	CONVERGENCE :YES	2
2	CONVERGENCE :YES	7

END OF PROCESS FOR PROBLEM

New Project

NONLINEAR SOLUTION CPU TIME 0.10 [sec]

DATABASE CREATION CPU TIME..... 0.06 [sec]